

**PROJECT MANUAL**

**CMHA ASPIRE COLUMBUS**

**360 SOUTH THIRD STREET  
COLUMBUS, OHIO 43215**

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**PREPARED FOR:**



**COLUMBUS METROPOLITAN  
HOUSING AUTHORITY**  
COMMUNITY. COMMITMENT. COLLABORATION.

880 EAST 11<sup>TH</sup> AVENUE  
COLUMBUS, OHIO

**PREPARED BY:**



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**NOVEMBER 12, 2024**

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## **SECTION 00 31 32**

### **GEOTECHNICAL INVESTIGATIONS**

#### **PART 1 GENERAL**

##### **1.01 SOIL BORINGS**

- A. Test borings have been made at the site of the improvements. Logs of the test borings are included in a report dated November 6, 2024, and titled, "United Way Development, Geotechnical Report – Rev 2". The investigation and report were prepared by Terracon, 800 Morrison Road, Columbus, Ohio 43219. Terracon Project Number N4245270.
  - 1. A copy of this report is attached to this section:
- B. Logs of the test borings are not warranted by the Owner or the Architect, except that they reflect the best and only information available at the time of design.

**END OF SECTION**

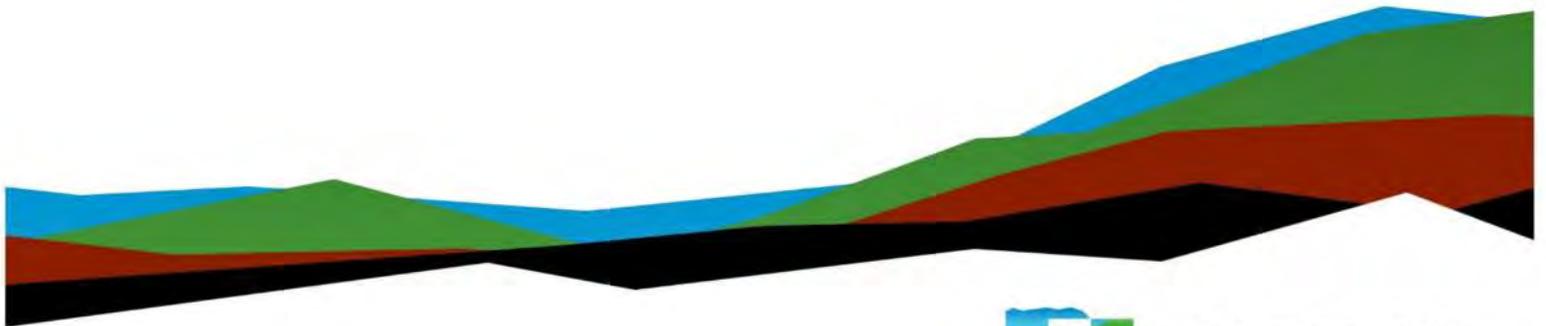
# United Way Development

## Geotechnical Engineering Report – Rev.2

November 6, 2024 | Terracon Project No. N4245270

**Prepared for:**

Moody Nolan  
300 Spruce St Suite 300  
Columbus, Ohio



Nationwide  
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials



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November 6, 2024

Moody Nolan  
300 Spruce St Suite 300  
Columbus, Ohio

Attn: Mr. Anup Janardhanan  
P: 614-461-4664  
E: AnupJ@moodynolan.com

Re: Geotechnical Engineering Report – Rev.2  
United Way Development  
360 South 3rd Street  
Columbus, Franklin County, Ohio  
Terracon Project No. N4245270

Dear Mr. Janardhanan:

We have completed the scope of Geotechnical Engineering services for the above referenced project in general accordance with Terracon Proposal No. PN4245270 dated August 5, 2024.

This report is a revised version of our original report dated December 8, 2022 (Terracon Project no. N4225419) and includes foundation recommendations for the proposed building based on the current site plan. This report also includes recommendations for pavements.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service please contact us

Sincerely,

**Terracon**

*Nikhil Sharma*

Nikhil Sharma  
Staff Engineer

Yogesh S. Rege, P.E.  
Senior Consultant, Senior Principal



11/06/2024

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**Exploration and Testing Procedures**  
**Site Location and Exploration Plans**  
**Exploration and Laboratory Results**  
**Supporting Information**

**Note:** This report was originally delivered in a web-based format. **Blue Bold** text in the report indicates a referenced section heading. The PDF version also includes hyperlinks which direct the reader to that section and clicking on the  Terracon logo will bring you back to this page. For more interactive features, please view your project online at [client.terracon.com](http://client.terracon.com).

Refer to each individual Attachment for a listing of contents.

## Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed development to be located at 360 South 3rd Street in Columbus, Franklin County, Ohio. The purpose of these services was to provide information and geotechnical engineering recommendations relative to:

- Subsurface soil conditions
- Groundwater conditions
- Seismic site classification per IBC
- Site preparation and earthwork
- Demolition considerations
- Foundation design and construction
- Floor slab design and construction
- Pavement design and construction
- Lateral earth pressure

The geotechnical engineering Scope of Services for this project included the advancement of four test borings (to a depth range of about 30 to 50 feet below ground surface), laboratory testing, engineering analysis, and preparation of this report.

We have previously performed a geotechnical study for this project site and submitted a GeoReport dated December 8, 2022 (Terracon Project No. N4225419). A revised report (Rev.1) was submitted on July 10, 2024, which included structural loading information and elimination of the garage from our recommendations. Based on your emails between June 28, 2024, and July 10, 2024, we understand that the site plan has changed from when the previous GeoReport were submitted. Per the updated site plan, the building location and orientation have changed. We had previously performed borings in the southern portion of the project site with the understanding that buildings would be located in that area. Therefore, four additional borings were required to cover the new location of the proposed building which is now located on the northern portion of the site. This report also includes recommendations for pavements.

Drawings showing the site and boring locations are shown on the [Site Location](#) and [Exploration Plan](#), respectively. The results of the laboratory testing performed on soil samples obtained from the site during our field exploration are included on the boring logs and/or as separate graphs in the [Exploration Results](#) section.

## Project Description

Our initial understanding of the project was provided in our proposal and was discussed during project planning. A period of collaboration has transpired since the project was initiated, and our final understanding of the project conditions is as follows:

Item	Description
<b>Project Description</b>	The project includes the construction of a multi-story building, driveways, parking areas and associated utilities infrastructure.
<b>Proposed Structure</b>	A 12-story building was initially proposed. However, based on our recent discussions with you, we understand that a 5-story building is currently being proposed as part of this development.
<b>Building Construction</b>	The 5-story building is anticipated to be a wood framed (Type 3B) construction with a slab-on-grade and supported on deep foundations or shallow foundations on ground improved using aggregate piers.
<b>Finished Floor Elevation</b>	The finished floor elevations were not available as of the date of this submission. We anticipate that the finished floor elevations will be within +/- 3 feet of the existing site grades..
<b>Maximum Loads</b>	Based on the provided information via email dated June 28, 2024, the following maximum loading will be exerted: <ul style="list-style-type: none"> <li>■ Column: 200 kips</li> <li>■ Wall: 7 kips per linear foot (klf)</li> <li>■ Floor slab: 150 pounds per square foot (psf)</li> </ul>
<b>Grading/Slopes</b>	Nominal amount (+/- 3 feet) of cut/fill is anticipated to be required to establish the proposed site grades.
<b>Below-Grade Structures</b>	It is our understanding that no below-grades structure are proposed at this time.
<b>Free-Standing Retaining Walls</b>	It is our understanding that no free-standing retaining walls are proposed at this time.
<b>Pavements</b>	Traffic loading information was not available at the time of this report preparation. Based on previous similar projects the following traffic data is assumed: <ul style="list-style-type: none"> <li>■ Autos/light trucks: 500 vehicles per day</li> <li>■ Pick-up truck or van: 50 vehicles per day</li> <li>■ Trash collection vehicles: 2 vehicle per week</li> <li>■ School buses: 5 buses per day</li> <li>■ Package delivery truck: 10 vehicles per day</li> </ul> The pavement design period is 20 years.

Terracon should be notified if any of the above information is inconsistent with the planned construction, especially the grading limits, as modifications to our recommendations may be necessary.

## Site Conditions

The following description of site conditions is derived from our site visit in association with the field exploration and our review of publicly available geologic and topographic maps.

Item	Description
<b>Parcel Information</b>	The project is located at 360 South 3rd Street in Columbus, Franklin County, Ohio. About 0.9 acres Latitude/Longitude (approximate): 39.954806° N, 82.995779° W (See Exhibit D) See <a href="#">Site Location</a>
<b>Existing Improvements</b>	The existing improvements include an existing 3-story building and asphalt parking areas.
<b>Current Ground Cover</b>	Asphalt, grass and some trees.
<b>Existing Topography</b>	The project site is currently relatively level with ground surface elevations ranging from about 754 to 757 feet.

## Geotechnical Characterization

We have developed a general characterization of the subsurface conditions based upon our review of the subsurface exploration, laboratory data, geologic setting and our understanding of the project. This characterization, termed GeoModel, forms the basis of our geotechnical calculations and evaluation of the site. Conditions observed at each exploration point are indicated on the individual logs. The individual logs can be found in the [Exploration Results](#) and the GeoModel can be found in the [Figures](#) attachment of this report.

As part of our analyses, we identified the following model layers within the subsurface profile. For a more detailed view of the model layer depths at each boring location, refer to the GeoModel.

Model Layer	Layer Name	General Description	Approximate Depth to the Bottom of the Layer (feet)
1	Surface	Asphalt – 4 to 9 inches Aggregate Base – 3 to 11 inches Topsoil – 3 inches	0.8 to 1.3
2	Existing Fill	Sandy lean clay, lean clay, poorly graded sand, silty sand	3.5 to 18.5
3	Native Clay	Sandy lean clay, lean clay – very stiff to hard	18.5 to 28.5
4	Native Sand	Silty sand, poorly graded sand, sandy silt, clayey sand – medium dense to very dense	Undetermined as all boring terminated within this layer.

The boreholes were observed while drilling and after completion for the presence and level of groundwater. The water levels observed in the boreholes can be found on the boring logs in the Exploration Results section. Groundwater was encountered in borings between depths of about 18 to 35 feet below existing ground surface while drilling. Groundwater was observed to be at depths ranging from about 4 to 49 feet below existing ground surface upon completion of drilling. Groundwater was not encountered in borings B-1, B-6, B-9, and B-11 while and upon completion of drilling.

Groundwater level fluctuations occur over a period of years or seasonally due to variations in the amount of rainfall, and other factors not evident at the time the borings were performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring logs. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

## Seismic Site Class

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC). Based on the soil properties observed at the site and as described on the exploration logs and results, our professional opinion is for that a **Seismic Site Classification of D** be considered for the project. Subsurface explorations at this site were extended to a maximum depth of 60 feet. The site properties below the boring depth to 100 feet were estimated based on our experience

and knowledge of geologic conditions of the general area. Additional deeper borings or geophysical testing may be performed to confirm the conditions below the current boring depth.

## Geotechnical Overview

Based on the geotechnical conditions encountered in the test borings, the site is anticipated to require remediation to make it suitable for the proposed construction. The recommendations provided in this report should be implemented in the design and construction phases of this project.

The subsurface materials generally consisted of existing fill soils underlain by native cohesive soils, which were in-turn were underlain by native granular soils. Existing fill soils encountered in the borings included sandy lean clay, lean clay and silty sands, extending to depths ranging from about 3.5 to 18.5 feet below existing ground surface.

This recent subsurface exploration encountered existing fill underlain by native cohesive soils further underlain by native granular soils. These conditions were consistent with our previous subsurface exploration performed in 2022. The existing fill soils encountered in the borings are unsuitable for direct support of conventional spread footings and floor slabs. We initially considered an option of performing a mass undercut in the building footprint by removing and replacing the existing fill soils. However, since the existing fill is relatively deep (up to about 18.5 feet below ground surface), this option would be difficult and likely expensive to implement. Therefore, in our opinion, for supporting the building on spread footings and slabs-on-grade (as well as thickened slabs), the underlying fill and overburden soils would require to be improved by implementing ground improvement measures such as aggregate piers.

As an alternative, the proposed building can be supported on a deep foundation system such as auger cast-in-place piles. Even if auger cast pile foundations are used to support the building, the floor slab could be subjected to total and differential settlement due to the presence of existing fill below the floor slab. Therefore, a structural slab supported on auger cast piles would be required to mitigate potential total and differential settlements. Thickened slabs are not considered to be a good option in this case, unless they are supported on deep foundations.

The encountered existing fill is not suitable for direct support of the pavements and should be undercut and replaced with structural fill. Alternatively, if the Owner is willing to accept the risks associated with future settlement and cracking of the pavements due to the presence of undocumented existing fill soils, partial undercut of the existing fill soils can be performed to a depth of at least 3 feet below the proposed pavement subgrade. The bottom of undercut should be stabilized as required and the undercut should then be backfilled with structural fill placed and compacted in accordance with recommendations provided in our [Earthwork](#).

Support of the pavements on or above existing fill soils is discussed in this report. However, even with the recommended measures and construction testing, there is a risk that unsuitable materials within or buried by the fill will not be discovered. This risk of unforeseen conditions cannot be eliminated without completely removing the fill but can be reduced by thorough exploration and testing during construction.

The soil borings encountered abundant amounts of boulders at variable depths throughout the borings. The deep foundation and excavation contractors should account for the presence of boulders into their bidding process.

The recommendations contained in this report are based upon the results of field and laboratory testing (presented in the **Exploration Results**), engineering analyses, and our current understanding of the proposed project. The **General Comments** section provides an understanding of the report limitations.

## Earthwork

Earthwork is anticipated to include demolition, clearing and grubbing, excavations, and engineered fill placement. The following sections provide recommendations for use in the preparation of specifications for the work. Recommendations include critical quality criteria, as necessary, to render the site in the state considered in our geotechnical engineering evaluation for foundations and floor slabs.

### Demolition

The proposed 5-story building will be constructed within the footprint of the existing United Way building which will be demolished, along with the exterior sidewalks, pavements, and utilities. Any foundation elements, slabs, unsuitable fill, underground utilities and any deleterious material associated with the previous structure should be completely removed. Excavations created due to these activities should be backfilled with structural fill material, placed and compacted in accordance with the recommendations provided in the following sections of the report. Any materials consisting of vegetation, organic matter and deleterious materials should be wasted and not reused as structural fill. We also recommend that any trees located within the proposed development areas be completely uprooted and excavations created during such activities be backfilled with structural fill, placed and compacted in accordance with recommendations provided later in this report.

Removal and/or relocation of any “to be abandoned” utilities should also be performed prior to rough site grading activities. We would anticipate removal and relocation, or re-routing, of any existing utilities and catch basins which may currently exist within the footprint of the proposed development area that would interfere with new construction. Any abandoned underground pipes, left in place, should be fully grouted. Excavations

created due to utility relocations should be backfilled with granular structural fill material, placed and compacted in accordance with the recommendations provided in the following paragraphs or with lean concrete or flowable fill. If lean concrete is used as backfill, the contractor should refer to the project drawings to confirm that the concrete backfill materials will not conflict with any new item installations or construction. Backfill above utilities to be abandoned in place by grouting should be evaluated in area where these materials will provide subgrade support for new fill or structures. Unsuitable existing backfill should be undercut and replaced with structural fill.

## Site Preparation

As an initial measure of site preparation, asphalt, concrete, aggregate base, topsoil or any other surficial deleterious material (e.g. debris, desiccated soil, high organic content soil, frozen soil, etc.) should be completely removed to expose the underlying soil subgrade in areas that support the proposed building. Surficial layers consisting of asphalt and aggregate base exhibited thickness ranging from 0.8 to 1.3 feet across the site. The actual surficial depths across the site can vary significantly as the borings represent conditions at widely spaced locations. Therefore, the surficial depths from the boring should not be used for estimating stripping depths. We recommend actual stripping depths be evaluated by a representative of Terracon during construction to aid in preventing removal of excess material.

Existing fill soils were encountered in pavement area borings to depths ranging from about 3.5 to 13.5 feet below the existing grades. These soils are not suitable to support the pavements and should be entirely removed from within and 5 feet beyond the pavement footprints and replaced with structural fill consistent with recommendations provided in this section. Alternatively, if the Owner is willing to accept the risks associated with future settlement and cracking of the pavements and the dumpster pad due to the presence of undocumented existing fill soils, partial undercut of the existing fill soils can be performed to a depth of at least 3 feet below the proposed pavement subgrade.

With the partial undercut option, we recommend that the existing subgrade be undercut such that at least 3 feet of the existing fill soils are removed and replaced with structural fill placed and compacted in accordance with the recommendations provided in this report. This option requires the owner to accept the risk associated with future settlement and cracking of pavement areas associated with existing fill soils as the existing fill is only partially being removed. This risk of unforeseen conditions cannot be eliminated without completely removing the fill but can be reduced by thorough exploration and testing during construction. It reduces the risk but does not eliminate the uneven settlement associated with existing fill soils which will remain beneath the pavement. In order to completely eliminate the risk, mass undercut of the existing fill and replacement with structural fill should be undertaken as recommended earlier.

The soils exposed at the bottom of undercut should be proofrolled in the presence of a representative of the geotechnical engineer. The exposed cohesive soils should be proofrolled with a fully loaded, tandem axle dump truck or suitable equipment weighing at least 20-tons. Granular soils encountered should be proofrolled with several passes of a vibratory roller (minimum dead weight of 8 tons on the drum). Proofrolling should be performed after a suitable period of dry weather to avoid degrading an otherwise acceptable subgrade and to reduce the amount of undercutting/remedial work required.

If the partial undercut option is chosen, unsuitable/unstable soils may be encountered at the base of the recommended undercut after proofrolling. The exposed surface should be inspected by the Geotechnical Engineer or trained engineering technician. Any unstable areas should be stabilized by punching in AASHTO #2 stone and the exposed surface of the open graded stone choked with ODOT Item 304 crushed limestone aggregate and densified with appropriate compaction equipment. The undercut should then be backfilled with structural fill placed and compacted in accordance with recommendations provided in the **Earthwork** section.

## Excavation

Our borings encountered cobbles and boulders at intermittent depths during our field exploration. Cobbles and boulders should be anticipated in the relatively deep excavations for utilities as well as deep foundation installation at the site. Therefore, the contractor should be prepared for excavation of such subsurface materials.

In areas where open cut excavations are not feasible, if applicable, temporary earth retention system(s) should be considered. These retention systems will have to be appropriately designed by a professional engineer to prevent lateral and vertical movements of any existing utilities and ground located adjacent to the excavation area. Monitoring of the retention system performance should be required during the entire time the excavation is left open.

The limits of movement for the earth retention system would be directly related to how much movement the existing site features can tolerate. We would expect that only very small deflections would be acceptable, however, this should be evaluated by the designer. We also recommend that a preconstruction survey of the area in the immediate vicinity of the excavation be performed to allow comparison of any changes in the site features due to excavation activities in front of the temporary retaining wall. We can provide assistance in developing a temporary retention system monitoring program if requested.

There are various construction methods that can be used to provide for temporary ground support during construction. Bracing using sheet piling or soldier beams and wood lagging are methods that are generally considered. Excavations deeper than about 8 to 10 feet may also require intermediate levels of tiebacks/bracing for the retention system. A temporary retention system is generally designed by a contractor who

specializes in this field. We would be available to review and comment on the contractor’s retention system design upon request.

For the purposes of construction ingress/egress, an area along one or two sides of the excavation may need to be “open cut” type. Based on the encountered soil profile, it is recommended that the temporary cut slopes be excavated using no steeper than 1.5H:1V slopes. Intermediate horizontal benches might also be required, especially when the height of the cut exceeds about 15 feet. The temporary cut slopes should be designed by a professional engineer if the excavation depths exceed 15 feet or those allowed by OSHA. Excavation safety is responsibility of the contractor under no circumstances shall the information provided herein be interpreted to mean that Terracon is assuming responsibility for construction site safety or contractor’s activities; such responsibility shall neither be implied or inferred. The toe of the cut slope should be located a minimum distance of 5 feet from the exterior face of the structure wall.

Groundwater inflow/seepage may be encountered in excavations at this site. For minor seepage, sump and pumping methods are expected to be adequate for temporary dewatering. For higher seepage rates, the construction dewatering program may need to be modified to handle the increased water flow by using systems such as well points, sheet piling or slurry wall cutoff. In addition, the proposed structures should be designed to resist buoyant forces after construction. Groundwater dewatering is responsibility of others and consideration should be given to installation of monitoring wells to get more accurate evaluation of groundwater conditions.

A lean concrete mudmat or working mat of crushed stone aggregate could be considered for placement at the bottom of excavations to minimize disturbance of the subgrade during construction activities.

### Fill Material Types

Earthen materials used for structural fill should meet the following material property requirements:

Fill Type <sup>1</sup>	USCS Classification	Acceptable Location for Placement
Lean clay	CL (LL<40 & PI<22)	All locations and elevations
Well graded granular	GW-GM <sup>2</sup>	All locations and elevations
Low Volume Change Material <sup>3</sup>	CL (LL<40 & PI<22) or SW or GW <sup>2</sup>	All locations and elevations

Fill Type <sup>1</sup>	USCS Classification	Acceptable Location for Placement
On-Site Soil	Various	The on-site soils which are free of debris, deleterious materials and organics can be reused as fill; use of on-site soils as structural fill should meet the requirements for “acceptable location for placement” indicated above. Moisture conditioning of the on-site soils should be anticipated. Further, on-site material should be free of deleterious material (oversize construction debris, organic materials, etc.) and meet the requirements for “acceptable location for placement” indicated above. Moisture conditioning for placement of on-site soils should be anticipated.

1. Structural fill should consist of approved materials that are free of organic matter and debris and maximum dimension of 3 inches. Frozen material should not be used, and fill should not be placed on a frozen subgrade. A sample of each material type should be submitted to the Geotechnical Engineer for evaluation prior to use on this site.
2. ODOT 304 material such as crushed limestone aggregate, limestone screenings, or granular material such as sand, gravel or crushed stone.
3. Low plasticity cohesive soil and well graded granular soil or chemically stabilized medium to high plasticity soils

## Fill Placement and Compaction Requirements

Structural and general fill should meet the following compaction requirements.

Item	Structural Fill
<b>Maximum Lift Thickness</b>	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used 4 to 6 inches in loose thickness when hand-guided equipment (i.e. jumping jack or plate compactor) is used
<b>Minimum Compaction Requirements</b> <sup>1,2,3</sup>	98% of maximum dry density below foundations and floor slab.
<b>Water Content Range</b> <sup>1</sup>	Low plasticity cohesive: -2% to +3% of optimum Granular: -3% to +3% of optimum or workable moisture content.

Item	Structural Fill
	<ol style="list-style-type: none"><li>1. As determined by the Standard Proctor test (ASTM D 698).</li><li>2. If the granular material is a coarse sand or gravel, or of a uniform size, or has a low fines content, compaction comparison to relative density may be more appropriate. In this case, granular materials should be compacted to at least 70% relative density (ASTM D 4253 and D 4254).</li></ol>

## Utility Trench Backfill

All trench excavations should be made with sufficient working space to permit construction, including backfill placement and compaction. If utility trenches are backfilled with relatively clean granular material, they should be capped with at least 18 inches of low plasticity cohesive fill in non-pavement areas to reduce the infiltration and conveyance of surface water through the trench backfill.

Compaction requirements for bedding and backfilling around utilities may need to be adjusted to the pipe material type and the pipe manufacturer bedding and backfill material recommendation. If utility trenches in non-pavement areas are backfilled with relatively clean granular material, they should be capped with at least 18 inches of cohesive fill to reduce the infiltration and conveyance of surface water through the trench backfill. Granular backfill is recommended for use as backfill in utility trenches in areas beneath pavements.

## Grading and Drainage

All grades must provide effective drainage away from the buildings during and after construction and should be maintained throughout the life of the structure. Water retained next to the buildings can result in soil movements greater than those discussed in this report. Greater movements can result in unacceptable differential floor slab and/or foundation movements, cracked slabs and walls, and roof leaks. The roof should have gutters/drains with downspouts that discharge onto splash blocks at a distance of at least 10 feet from the buildings.

Exposed ground should be sloped and maintained at a minimum 5% away from the buildings for at least 10 feet beyond the perimeter of the building. Locally, flatter grades may be necessary to transition ADA access requirements for flatwork. After the building construction and landscaping have been completed, final grades should be verified to document effective drainage has been achieved. Grades around the structure should also be periodically inspected and adjusted, as necessary, as part of the structure's maintenance program. Where paving or flatwork abuts the structure, a maintenance program should be established to effectively seal and maintain joints and prevent surface water infiltration.

## Earthwork Construction Considerations

Upon completion of filling and grading, care should be taken to maintain the subgrade water content prior to construction of grade-supported improvements such as floor slabs. Construction traffic over the completed subgrades should be avoided. The site should also be graded to prevent ponding of surface water on the prepared subgrades or in excavations. Water collecting over or adjacent to construction areas should be removed. If the subgrade freezes, desiccates, saturates, or is disturbed, the affected material should be removed, or the materials should be scarified, moisture conditioned, and recompacted prior to floor slab construction.

Cobbles and boulders were encountered at intermittent depth in multiple soil borings. Therefore, the contractor should be prepared to excavate and remove obstructions.

As a minimum, excavations should be performed in accordance with OSHA 29 CFR, Part 1926, Subpart P, "Excavations" and its appendices, and in accordance with any applicable local and/or state regulations.

Construction site safety is the sole responsibility of the contractor who controls the means, methods, and sequencing of construction operations. Under no circumstances shall the information provided herein be interpreted to mean Terracon is assuming responsibility for construction site safety or the contractor's activities; such responsibility shall neither be implied nor inferred.

Excavations or other activities resulting in ground disturbance have the potential to affect adjoining properties and structures. Our scope of services does not include review of available final grading information or consider potential temporary grading performed by the contractor for potential effects such as ground movement beyond the project limits. As discussed previously, a preconstruction/ precondition survey should be conducted to document nearby property/infrastructure prior to any site development activity. Excavation or ground disturbance activities adjacent or near property lines should be monitored or instrumented for potential ground movements that could negatively affect adjoining property and/or structures. Terracon can provide these services on request, additional fee's would be incurred.

## Construction Observation and Testing

The earthwork efforts should be observed and tested by a representative of the Geotechnical Engineer. Observation and testing should include documentation of adequate removal of vegetation and topsoil, proofrolling, and mitigation of areas delineated by the proofroll to require mitigation.

Each lift of compacted fill should be tested, evaluated, and reworked, as necessary, until approved by the Geotechnical Engineer prior to placement of additional lifts. Each lift of

fill should be tested for density and water content in the building area. In areas of foundation excavations, the bearing subgrade should be evaluated under the direction of the Geotechnical Engineer. If unanticipated conditions are encountered, the Geotechnical Engineer should be contacted to provide mitigation options.

In addition to the documentation of the essential parameters necessary for construction, the continuation of the Geotechnical Engineer into the construction phase of the project provides the continuity to maintain the Geotechnical Engineer's evaluation of subsurface conditions, including assessing variations and associated design changes.

## **Aggregate Piers**

In order to support the proposed building on shallow foundations, slabs-on-grade and thickened slab, we recommend implementation of ground improvement measures such as aggregate piers. The aggregate piers should cover the entire building footprint and some distance beyond on all sides. This option can attain an allowable bearing capacity in the range of 4,000 to 6,000 psf. For frost depth considerations and to reduce the effects of seasonal moisture variations in the subgrade soils, the minimum footing embedment depth below finished grade should be 36 and 24 inches for exterior footings and interior footings within heated spaces, respectively. Additional shallow foundation recommendations are provided below.

This ground improvement system typically consists of 24 to 30-inch diameter drilled holes that are filled in thin lifts with highly compacted, well-graded aggregate to form very stiff, high density aggregate piers. The tamper is designed to produce significant lateral soil stress within the surrounding soil matrix, thereby stiffening the reinforced composite soil/aggregate mass. This type of ground improvement system could be used to improve the weak/unsuitable soil so as to allow for design and construction of conventional shallow foundations, mats and slabs for the proposed structures. The depths of the aggregate piers should be established by the design engineer. Aggregate pier designers have developed construction methods to handle shallow groundwater conditions during installation of the aggregate piers.

Since design of these aggregate pier systems is proprietary, the design team should coordinate with the aggregate pier company representative for additional feasibility, preliminary design, and costs associated with this system.

## **Spread Footings**

As discussed previously, the proposed building can be supported on spread footings provided that the footings bear on soils improved in their strength characteristics by installation of aggregate piers. The design recommendations for the spread footings to

support the proposed structures are presented below, however these should be confirmed by the aggregate pier design engineer:

### Design Parameters – Compressive Loads

Item	Description
<b>Maximum Net Allowable Bearing Pressure <sup>1</sup></b>	4,000 to 6,000 psf
<b>Required Bearing Stratum</b>	Soils improved by installation of appropriately designed aggregate piers.
<b>Minimum Foundation Dimensions</b>	Columns: 30 inches Continuous: 18 inches
<b>Ultimate Coefficient of Sliding Friction <sup>2</sup></b>	0.30
<b>Minimum Embedment below Finished Grade <sup>3</sup></b>	Exterior footings in unheated areas: 36 inches Exterior footings in heated areas: 30 inches Interior footings in heated areas: 24 inches

1. The maximum net allowable bearing pressure is the pressure in excess of the minimum surrounding overburden pressure at the footing base elevation. An appropriate factor of safety has been applied. The bearing pressure can be increased by 1/3 for transient loads unless those loads have been factored to account for transient conditions. Values assume that exterior grades are no steeper than 20% within 10 feet of structure.
2. Can be used to compute sliding resistance where foundations are placed on suitable soil/materials. Should be neglected for foundations subject to net uplift conditions.
3. Embedment necessary to reduce the effects of frost soil encountered at the site.

We also recommend that the building spread footings be suitably reinforced to resist movement from potential differential settlement. Walls and slabs should incorporate control joints to minimize effects of differential settlement.

The floor slabs and the thickened slabs should also be supported by appropriately designed aggregate piers.

## Deep Foundations

The following sections provide recommendations for auger-cast piles for support of the proposed foundations and structural slab. Due to the predominantly granular nature of the site soils with abundant cobbles and boulders, we believe drilled shafts would require drilling fluids and casing and would be difficult to install and therefore have not been recommended.

## Augered and Cast-in-Place (ACIP) Pile Design Parameters

Based on the data obtained in the soil borings at this site, it is our opinion that auger-cast piles could be considered to support the proposed building. The main advantage of auger-cast piles is they can be constructed without the driving noise and vibration inherent in the driven pile options. Auger cast piles are installed by continuous flight augering into the overburden soil utilizing a hollow-stem auger with typical diameters varying from 12 to 24 inches, although larger sizes are available by some specialty contractors. Upon reaching the required depth, grout is pumped through the center of the auger as the auger is turned and withdrawn, resulting in a continuous column of cement grout. Reinforcement of auger-cast piles is achieved by immersing a vertical reinforcement bar or cage into the center of each pile, while the grout is still fluid.

The soil borings encountered abundant amounts of cobbles and boulders at variable depths throughout the borings. The deep foundation and excavation contractors should take account for the presence of cobbles/boulders into account for their bidding process. A constructability review consisting of drilling augers cast piles to determine the feasibility of the foundation system should be performed.

Though our borings were extended to maximum depths of 60 feet below ground surface. Based on our previous experience in the vicinity of the project site, we anticipate the soil strata 60 feet below ground surface to be generally consistent with the overlaying strata (23.5 to 60 feet) to a depth of approximately 100 feet below ground surface.

We estimate that piles extended to about 75 feet below existing grade with an 18-inch nominal diameter may achieve an allowable design axial load capacity of about 150 tons (300 kips). This capacity is based on terminating the auger-cast piles in dense to very dense granular soils at about 75 feet below the existing ground surface. The allowable load also reaches the structural allowable load for the pile assuming a concrete stress of 0.3 f'c (in accordance with IBC) and a minimum grout strength of 5,000 psi.

Approximately  $\frac{3}{4}$  of the pile load is anticipated to be carried by side friction. In order to mobilize the full capacity of side friction, piles must settle on the order of about  $\frac{1}{4}$  to  $\frac{1}{2}$  inches, but greater settlement may occur at the ACIP pile tip to achieve the allowable bearing capacity. We estimate that the settlement of the ACIP piles will be on the order of about  $\frac{3}{4}$ -inch.

Piles should be spaced about 3 diameters center-to-center. At this spacing, we estimate that piles acting as a group will have an axial load capacity approximately equivalent to the sum of the individual piles. Piles in the same group should be cast at least 24 hours apart. The pump used during pile casting should allow for continuous monitoring of the grout pressure and volume. The volume of grout cast into the pile should be at least 120 percent of the theoretical volume with no one-foot section of the pile containing less than 100 percent of the theoretical volume.

## Augered and Cast-in-Place Pile Testing and Construction Considerations

We recommend that a static load test be performed for this project. The test pile should be installed at a non-production location. The purpose of the load test to verify the contractor's installation procedures, reinforcing steel placement procedures, and the estimated axial pile capacities. Dependent on project requirements, additional test piles may be necessary to evaluate the uplift or lateral capacity of the ACIP piles.

The static load test for compression piles should be conducted in accordance with ASTM Standard D-1143, "Standard Method of Testing Piles under Axial Compressive Load". The three primary goals of the load test are to define the load-deflection relationship of the pile, define the contractor's installation techniques with respect to the pile capacity, and define the ultimate capacity of the pile by loading it to failure. For the purposes of a load test, failure is defined as the plunging of the pile tip several inches under the applied load. By defining the ultimate capacity of the pile, we can modify the noted allowable capacities of the piles. The pile contractor should be required to provide a load test apparatus capable of failing the test pile. This will include a load frame or rigging with a load capacity of at least 3-½ times the noted allowable loads and instrumentation with a 3-inch travel range. Without the ability to fail the test piles, there will be no basis for the modification of the allowable capacities.

A tell-tale should be installed in the compression test pile to monitor the movement of the pile tip relative to the butt of the pile. This is extremely important since a large portion of the pile's capacity will come from skin friction. The tell-tale is generally a 3/8-inch diameter flush-jointed rod inserted in a 3/4-inch diameter black iron pipe. The 3/4-inch pipe should be installed to within 3 inches of the pile tip immediately after the grouting of the pile. The 3/8-inch rod can be inserted after the grout has set. A dial gauge should be affixed to the 3/8-inch for measurement during loading. Further, the pile should be electronically instrumented with strain gauges to monitor the stress distribution along the pile sides and end. A minimum of four locations within the individual test pile should be monitored. The remaining instruments installed at the intermediate third points and the pile tip. Two strain gauges should be placed at each level on opposing sides of the pile to provide means of limiting the additional stresses associated with bending as well as to provide a level of redundancy in case of equipment failure.

Oftentimes, the uplift capacity governs the number of piles below a structural element. Therefore, we recommend that each of the reaction piles be instrumented to provide an estimate of the uplift capacity of the piles. This will include installing a shallow PVC pipe vertically in each reaction pile butt to mount a fine graduated scale for either optical or mechanical monitoring of its movement. The reaction reinforcement cannot be used for this purpose due its elongation during loading. At least one of the reaction piles should be instrumented to monitor the actual load applied in uplift. This would entail installing a

load cell or hydraulic ram in a manner that it would be compressed during the tensioning of the reaction pile.

Before installation of the test piles, we recommend that a pre-installation meeting be held among the pile contractor, construction manager, structural engineer, and geotechnical engineer to discuss topics relevant to the test pile installation. Topics to be discussed should include at a minimum:

- The contractor's equipment and installation practices,
- Load test set-up and testing procedures, including the loading apparatus and instrumentation.
- Preliminary pile installation criteria for the test pile, and
- Protocol should unforeseen conditions arise during the installation activities.

Acceptance of the individual pilings is dependent on several criteria, including installation time, refusal of the piling equipment, withdrawal rate during pumping, grout take, tested compressive strength of the grout, etc. Therefore, each pile must be evaluated separately. We recommend that, due to our familiarity with the project, our design recommendations, and the piling system, a Terracon representative monitor the installation of the test and reaction piles, the load test program, and evaluate the load test data.

If practical drilling refusal is experienced above the planned termination depth, then a boulder or other obstruction may be present, and a replacement pile should be installed. If this occurs, the situation should be evaluated by the Geotechnical Engineer and the Structural Engineer during the pile installation operations. Continued "hard" drilling to attempt to extend through an obstruction should not be performed, due to the possibility of excessive soil removal potentially resulting in subsidence. This will be especially critical for this project given the tight site constraints and the potentially to impact the integrity of the adjacent structure(s) due to undermining and/or settlement in granular soils located below the groundwater surface.

Proper ACIP installation is highly operator-dependent, and requires a greater than average dependence on quality workmanship and quality control monitoring. In addition, the successful ACIP completion largely depends on the equipment and installation procedures. The auger should be withdrawn in a controlled manner and a sufficient head of grout should always be maintained in the augers, to prevent necking of fluid grout due to hydrostatic pressures.

The ACIP installation process should be performed under direction of the Geotechnical Engineer. The Geotechnical Engineer should document the pile installation process including soil/rock and groundwater conditions encountered, consistency with expected conditions, and details of the installed pile. The contractor selected for this project should have at least 15-years of demonstrated experience with similar conditions.

Each pile should contain at least the theoretical “neat-line” volume of grout for its individual length. The contractor should have at the site the maximum volume of grout for each pile available for pumping before beginning the drilling operations.

The project documents should address the procedures that should be followed in the event of a questionable pile. The bid documents should provide for line items for the addition/subtraction of pile length and addition of extra piles.

Comprehensive testing of the pile grout should be performed for this project. Qualified personnel should be on-site throughout the pile installation process to perform quality control testing including recording the grout age, temperature, flow rate, location of placement and prepare grout cube specimens for compressive strength testing for compliance with the project specifications. The flow rate is like testing the slump for concrete and is determined using a flow cone. Testing should be performed as described in ASTM C-939 “Standard Method for Flow of Grout for Pre-Placed Aggregate Concrete”. However, we recommend the use of a 3/4-inch orifice. Flow rates using this modified apparatus should be between 15 and 28 seconds.

The contractor’s pile installation equipment must be fitted with Automated Monitoring Equipment (AME). The AME should be operational prior to test pile installation and equipment calibration and provide installation data per unit length. A printed report of pile installation results should be supplied to the inspection personnel upon completion of each pile. AME at a minimum should monitor the depth of bit/pile, angle of bit/pile, grout volume and grout pressure during installation.

Typically, a minimum set time of 12 hours should be provided between the installations of adjacent piles. This delay time may be adjusted with favorable site conditions. The possibility of shortening the delay time can be explored during installation of the reaction piles for the load test arrangement.

It is the opinion of Terracon that the field monitoring of the pile installation is a direct extension of the design process. Pile installation techniques must be observed, weighed against load test data, and evaluated to determine the acceptance of each pile. Understanding of the subsurface conditions and pile design requirements are necessary to make the routine engineering judgments required during installation. Therefore, the preceding foundation recommendations should be considered valid only if we are given the opportunity to monitor the pile installation. If another consulting firm is selected to provide the monitoring of the installation, they should understand their acceptance of the ultimate responsibility of the foundation system performance. Our company cannot be held accountable for the pile performance unless we monitor their installation.

## Foundation Verification

In addition to the static load test, the integrity of the ACIP elements be verified with non-destructive testing methods such as Single-Hole Sonic Logging (SSL) or Thermal Integrity Profiling (TIP's). Terracon can provide these services on request.

## Floor Slabs

Depending on the anticipated the final design grades, existing fill materials may be encountered at the floor slab subgrade level. These soils are not suitable for direct floor slab support and should be improved in their strength characteristics by installation of aggregate piers. If auger cast piles are used, then a structural slab supported on auger cast piles can be considered instead of the aggregate pier option with slab-on-grade.

Design parameters for floor slabs assume the requirements for **Earthwork** have been followed. Specific attention should be given to positive drainage away from the structure and positive drainage of the aggregate base beneath the floor slab.

### Floor Slab Design Parameters

Item	Description
<b>Floor Slab Support</b> <sup>1</sup>	Minimum 6 inches of free-draining crushed aggregate compacted to at least 98% of ASTM D 698 <sup>2, 3</sup> At least 18 inches of low plasticity cohesive or granular soils with at least 18% passing the U.S. No. 200 sieve material should be present below floor slabs.
<b>Estimated Modulus of Subgrade Reaction</b> <sup>2</sup>	110 pounds per square inch per inch (psi/in) for point loads

1. Floor slabs should be structurally independent of building footings or walls to reduce the possibility of floor slab cracking caused by differential movements between the slab and foundation. Subgrade improved using properly designed aggregate piers.
2. Modulus of subgrade reaction is an estimated value based upon our experience with the subgrade condition, the requirements noted in Earthwork, and the floor slab support as noted in this table. It is provided for point loads. For large area loads the modulus of subgrade reaction would be lower.
3. Free-draining granular material should have less than 6% fines (material passing the No. 200 sieve). Other design considerations such as cold temperatures and condensation development could warrant more extensive design provisions.

Saw-cut control joints should be placed in the slab to help control the location and extent of cracking. For additional recommendations refer to the ACI Design Manual. Joints or cracks should be sealed with a water-proof, non-extruding compressible compound specifically recommended for heavy duty concrete pavement and wet environments.

Where floor slabs are tied to perimeter walls or turn-down slabs to meet structural or other construction objectives, our experience indicates differential movement between the walls and slabs will likely be observed in adjacent slab expansion joints or floor slab cracks beyond the length of the structural dowels. The Structural Engineer should account for potential differential settlement through use of sufficient control joints, appropriate reinforcing or other means.

### Floor Slab Construction Considerations

Finished subgrade, within and for at least 10 feet beyond the floor slab, should be protected from traffic, rutting, or other disturbance and maintained in a relatively moist condition until floor slabs are constructed. If the subgrade should become damaged or desiccated prior to construction of floor slabs, the affected material should be removed, and structural fill should be added to replace the resulting excavation. Final conditioning of the finished subgrade should be performed immediately prior to placement of the floor slab support course.

The Geotechnical Engineer should observe the condition of the floor slab subgrades immediately prior to placement of the floor slab support course, reinforcing steel, and concrete. Attention should be paid to high traffic areas that were rutted and disturbed earlier, and to areas where backfilled trenches are located.

### Floor Slab Design and Construction with Auger Cast In-Place Piles

Even with auger cast pile foundation used to support the building foundations, the floor slab will be subjected to large unacceptable total and differential settlement due to the presence of uncontrolled fill and compressible soils below the floor slab. We recommend that a structural floor slab supported on auger cast piles be constructed to mitigate total and differential settlement of the floor slab. The floor slab load should be structurally transmitted to the auger cast pile foundations.

# Pavements

## General Pavement Comments

Pavement designs are provided for the traffic conditions and pavement life conditions as noted in **Project Description** and in the following sections of this report. A critical aspect of pavement performance is site preparation. Pavement designs noted in this section must be applied to the site which has been prepared as recommended in the **Earthwork** section.

## Pavement Design Parameters

A California Bearing Ratio (CBR) of 2.0 was used for the subgrade for the asphaltic concrete (AC) pavement designs. A modulus of subgrade reaction of 110 pci was used for the Portland cement concrete (PCC) pavement designs. The value was empirically derived based upon our experience with the subgrade soils and our expectation of the quality of the subgrade as outlined in **Earthwork** with a minimum 3-foot undercut and replacement of existing fill. We recommend CBR tests be performed prior to construction to confirm the assumed value.

## Pavement Section Thicknesses

The following table provides our opinion of minimum thickness for AC sections:

### Asphaltic Concrete Design

Layer <sup>2</sup>	Thickness (inches)	
	Light Duty <sup>1</sup>	Drive Areas <sup>1</sup>
Asphalt Concrete Surface Course	3	3
Asphalt Concrete Base Course	3	4
Aggregate Base Course	6	8

1. See **Project Description** for specifics regarding traffic assumptions.
2. All materials should meet the current Ohio Department of Transportation (ODOT) Standard Specifications.
  - Asphaltic Surface - ODOT Item 441 Asphalt Concrete Surface Course, Type 1, (448) PG 64-22
  - Asphaltic Base - ODOT Item 301 Asphalt Concrete Base, PG64-22
  - Aggregate Base - ODOT Item 304 Crushed Limestone Aggregate Base

### Asphaltic Concrete Design

Layer <sup>2</sup>	Thickness (inches)	
	Light Duty <sup>1</sup>	Drive Areas <sup>1</sup>

- ODOT Item 407 Tack Coat should be applied between each layer of asphaltic concrete.

The following table provides our estimated minimum thickness of PCC pavements.

### Portland Cement Concrete Design

Layer	Thickness (inches)	
	Light Duty <sup>1</sup>	Drive Areas <sup>1</sup>
PCC	6	7
Aggregate Base	4	5

1. See [Project Description](#) for more specifics regarding traffic classifications.
2. At least 8 inches PCC should be provided over 5 inches aggregate base for the dumpster pad.

Areas for parking of heavy vehicles, concentrated turn areas, and start/stop maneuvers could require thicker pavement sections. Edge restraints (i.e., concrete curbs or aggregate shoulders) should be planned along curves and areas of maneuvering vehicles.

Proper joint spacing will be required to prevent excessive slab curling and shrinkage cracking. Joints should be sealed to prevent entry of foreign material and doweled where necessary for load transfer. PCC pavement details for joint spacing, joint reinforcement, and joint sealing should be prepared in accordance with ACI 330 and ACI 325.

Where practical, we recommend early-entry cutting of crack-control joints in PCC pavements. Cutting of the concrete in its “green” state typically reduces the potential for micro-cracking of the pavements prior to the crack control joints being formed, compared to cutting the joints after the concrete has fully set. Micro-cracking of pavements may lead to crack formation in locations other than the sawed joints, and/or reduction of fatigue life of the pavement.

Openings in pavements, such as decorative landscaped areas, are sources for water infiltration into surrounding pavement systems. Water can collect in the islands and migrate into the surrounding subgrade soils thereby degrading support of the pavement. Islands with raised concrete curbs, irrigated foliage, and low permeability near-surface soils are particular areas of concern. The civil design for the pavements with these

conditions should include features to restrict or collect and discharge excess water from the islands. Examples of features are edge drains connected to the stormwater collection system, longitudinal subdrains, or other suitable outlets and impermeable barriers preventing lateral migration of water such as a cutoff wall installed to a depth below the pavement structure.

## Pavement Drainage

Pavements should be sloped to provide rapid drainage of surface water. Water allowed to pond on or adjacent to the pavements could saturate the subgrade and contribute to premature pavement deterioration. In addition, the pavement subgrade should be graded to provide positive drainage within the granular base section. Appropriate sub-drainage or connection to a suitable daylight outlet should be provided to remove water from the granular subbase.

Due to frost-susceptible soils and the possibility of perched groundwater, consideration should be given to installing a pavement subdrain system to control subgrade moisture, improve stability, and improve long-term pavement performance.

We recommend pavement subgrades be crowned at least 2% to promote the flow of water towards the subdrains, and to reduce the potential for ponding of water on the subgrade.

## Pavement Maintenance

The pavement sections represent minimum recommended thicknesses and, as such, periodic upkeep should be anticipated. Preventive maintenance should be planned and provided for through an on-going pavement management program. Maintenance activities are intended to slow the rate of pavement deterioration and to preserve the pavement investment. Pavement care consists of both localized (e.g., crack, and joint sealing and patching) and global maintenance (e.g., surface sealing). Additional engineering consultation is recommended to determine the type and extent of a cost-effective program. Even with periodic maintenance, some movements and related cracking may still occur, and repairs may be required.

Pavement performance is affected by its surroundings. In addition to providing preventive maintenance, the civil engineer should consider the following recommendations in the design and layout of pavements:

- Final grade adjacent to paved areas should slope down from the edges at a minimum 2%.
- Subgrade and pavement surfaces should have a minimum 2% slope to promote proper surface drainage.

- Install pavement drainage systems surrounding areas anticipated for frequent wetting.
- Install joint sealant and seal cracks immediately.
- Seal all landscaped areas in or adjacent to pavements to reduce moisture migration to subgrade soils.
- Place compacted, low permeability backfill against the exterior side of curb and gutter.
- Place curb, gutter and/or sidewalk directly on clay subgrade soils rather than on unbound granular base course materials.

## General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the Geotechnical Engineer, where noted in this report, to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Support of the pavements on or above existing fill soils is discussed in this report. However, even with the recommended measures and construction testing, there is a risk that unsuitable materials within or buried by the fill will not be discovered. This risk of unforeseen conditions cannot be eliminated without completely removing the fill but can be reduced by thorough exploration and testing during construction.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third

parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

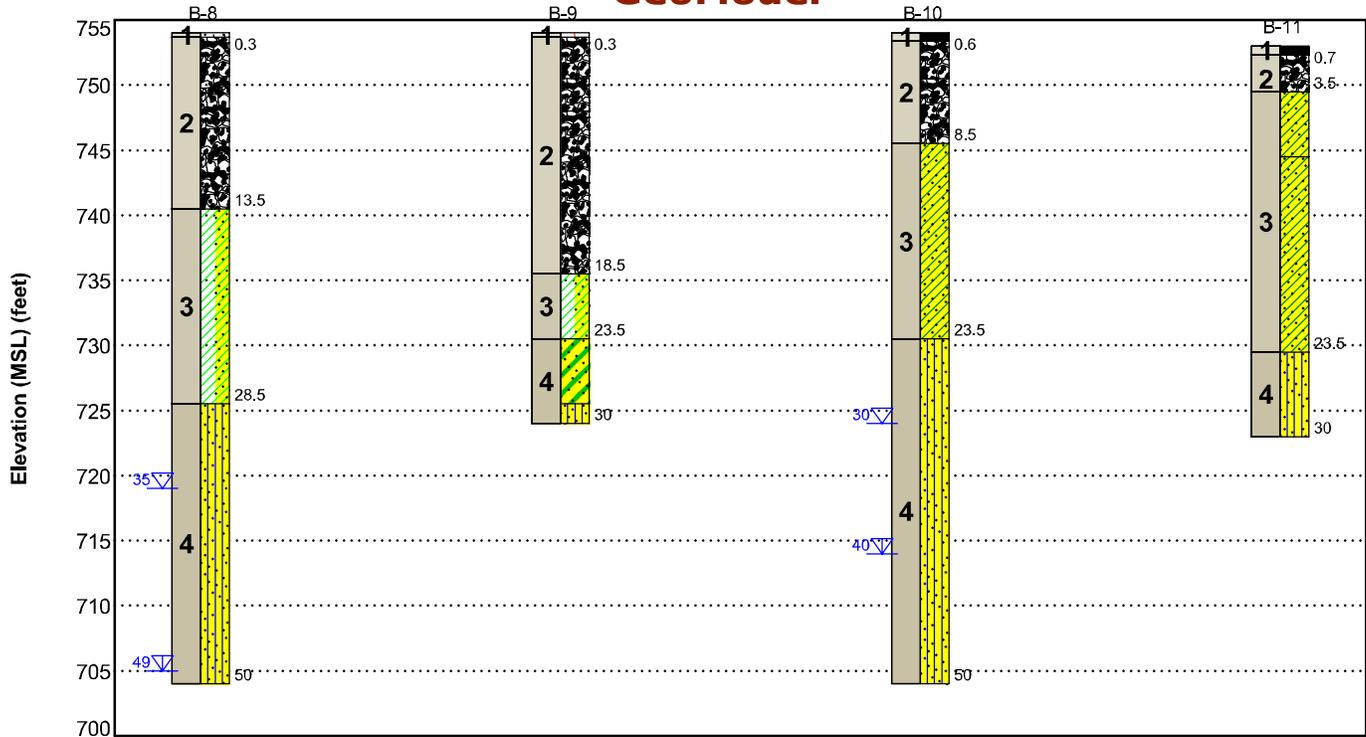
Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly effect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating including excavation support and dewatering requirements/design are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider a preconstruction/precondition survey of surrounding development. If changes in the nature, design, or location of the project are planned, our conclusions and recommendations shall not be considered valid unless we review the changes and either verify or modify our conclusions in writing.

## Figures

### Contents:

GeoModel

## GeoModel



This is not a cross section. This is intended to display the Geotechnical Model only. See individual logs for more detailed conditions.

Model Layer	Layer Name	General Description
1	Surface	Asphalt - 4 to 9 inches Aggregate Base - 3 to 11 inches Topsoil - 3 inches
2	Existing Fill	Sandy lean clay, lean clay, poorly graded sand, silty sand
3	Native Clay	Sandy lean clay, lean clay - very stiff to hard
4	Native Sand	Silty sand, poorly graded sand, sandy silt, clayey sand - medium dense to very dense

### LEGEND

Topsoil	Silty Sand	Asphalt
Fill	Aggregate Base Course	Sandy Lean Clay
Lean Clay with Sand	Clayey Sand	

- First Water Observation
- Second Water Observation

The groundwater levels shown are representative of the date and time of our exploration. Significant changes are possible over time. Water levels shown are as measured during and/or after drilling. In some cases, boring advancement methods mask the presence/absence of groundwater. See individual logs for details.

#### NOTES:

Layering shown on this figure has been developed by the geotechnical engineer for purposes of modeling the subsurface conditions as required for the subsequent geotechnical engineering for this project. Numbers adjacent to soil column indicate depth below ground surface.

## Attachments

# Exploration and Testing Procedures

## Field Exploration

Number of Borings	Approximate Boring Depth (feet)	Remarks
B-8 through B-11	30 to 50	2024 Exploration
B-1 through B-7	30 to 60	2022 Exploration

**Boring Layout and Elevations:** Terracon personnel provided the boring layout using handheld GPS equipment (estimated horizontal accuracy of about  $\pm 10$  feet) and referencing existing site features. Approximate ground surface elevations were estimated using Google Earth. If elevations and a more precise boring layout are desired, we recommend borings be surveyed.

**Subsurface Exploration Procedures:** We advanced the borings with a track-mounted, drill rig using continuous flight augers (hollow stem). Four samples were obtained in the upper 10 feet of each boring and at intervals of 5 feet thereafter using the split barrel sampling procedure. In the split-barrel sampling procedure, a standard 2-inch outer diameter split-barrel sampling spoon was driven into the ground by a 140-pound automatic hammer falling a distance of 30 inches. The number of blows required to advance the sampling spoon the last 12 inches of a normal 18-inch penetration is recorded as the Standard Penetration Test (SPT) resistance value. The SPT resistance values, also referred to as N-values, are indicated on the boring logs at the test depths. For safety purposes, all borings were backfilled with a mix of cement and auger cuttings after their completion. Pavements were patched with pre-mixed concrete.

The sampling depths, penetration distances, and other sampling information was recorded on the field boring logs. The samples were placed in appropriate containers and taken to our soil laboratory for testing and classification by a Geotechnical Engineer. Our exploration team prepared field boring logs as part of the drilling operations. These field logs included visual classifications of the materials observed during drilling and our interpretation of the subsurface conditions between samples. Final boring logs were prepared from the field logs. The final boring logs represent the Geotechnical Engineer's interpretation of the field logs and include modifications based on observations and tests of the samples in our laboratory.

## Laboratory Testing

The project engineer reviewed the field data and assigned laboratory tests. The laboratory testing program included the following types of tests:

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- Moisture Content
- Grain Size Analysis
- Atterberg Limits

The laboratory testing program often included examination of soil samples by an engineer. Based on the results of our field and laboratory programs, we described and classified the soil samples in accordance with the Unified Soil Classification System.

## Site Location and Exploration Plans

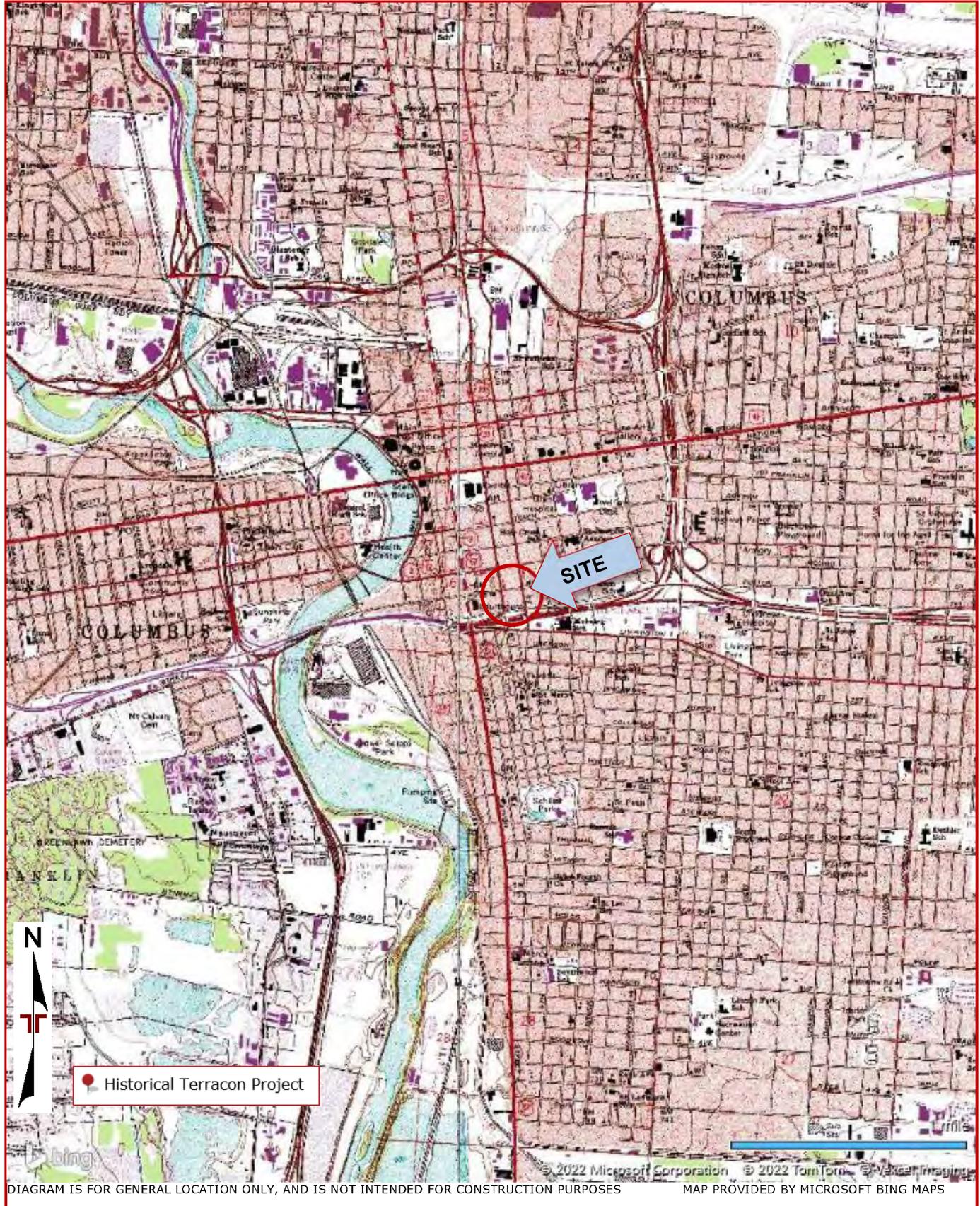
### **Contents:**

Site Location Plan

Exploration Plan

Note: All attachments are one page unless noted above.

## Site Location



## Exploration Plan

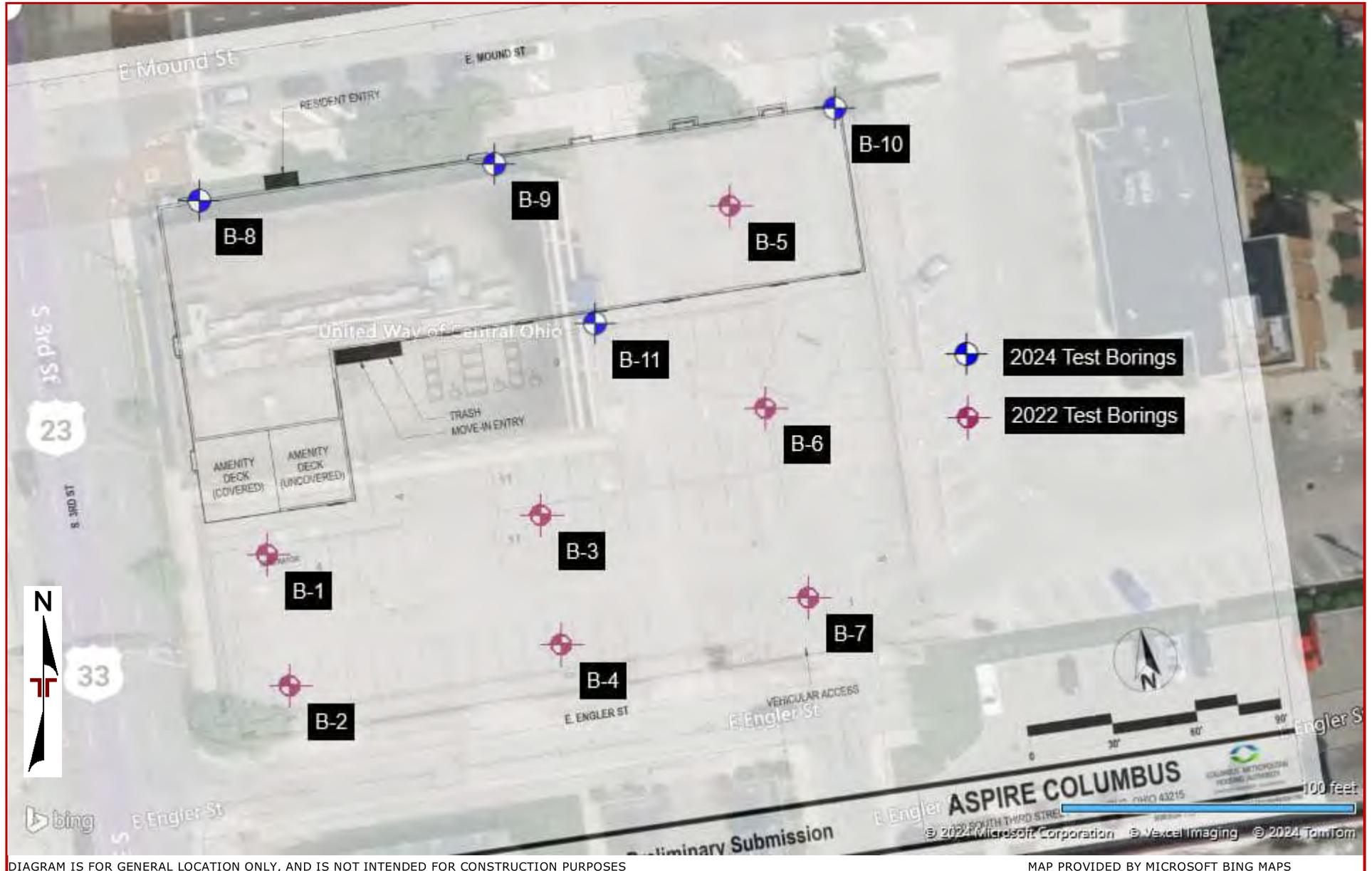


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

MAP PROVIDED BY MICROSOFT BING MAPS

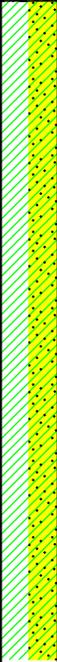
# Exploration and Laboratory Results

## **Contents:**

2024 Boring Logs (B-8 through B-11)  
2022 Boring Logs (B-1 through B-7)  
Atterberg Limits  
Grain Size Distribution

Note: All attachments are one page unless noted above.

## Boring Log No. B-8

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9550° Longitude: -82.9963°	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
									LL-PL-PI
	Depth (Ft.) <span style="float: right;">Elevation: 754 (Ft.) +/-</span> 0.3 <b>TOPSOIL (3")</b> <span style="float: right;">753.7</span> <b>FILL - SANDY LEAN CLAY</b> , trace gravel, brown, encountered asphalt fragments  - encountered trace amounts of organic material between 0.3 and 3.5 feet								
	- encountered cobbles/boulders between 8.5 and 13.5 feet.								
	13.5 <b>LEAN CLAY WITH SAND (CL)</b> , trace gravel, gray, very stiff to hard <span style="float: right;">740.5</span>								
		5			10	3-3-3-3 N=6	-	16.0	
		10			11	5-8-10 N=18	-	21.0	
		15			18	4-11-16 N=27	4.5+ (HP)	8.0	
		20			18	8-19-25 N=44	4.5+ (HP)	9.0	
		25			18	19-25-31 N=56	4.5+ (HP)		

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).  
 See [Supporting Information](#) for explanation of symbols and abbreviations.

**Notes**

Elevation Reference: Elevations were estimated using Google earth .

**Water Level Observations**

- Water encountered at 35 feet during drilling
- Water observed at 49 feet after completion

**Drill Rig**  
CME-550

**Hammer Type**  
Automatic

**Driller**  
B.Cogar

**Logged by**  
T.Carothers

**Boring Started**  
09-10-2024

**Boring Completed**  
09-10-2024

**Advancement Method**  
3.25' HSA

**Abandonment Method**  
Boring backfilled with cuttings upon completion.

## Boring Log No. B-8

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9550° Longitude: -82.9963°									LL-PL-PI
	Depth (Ft.) <span style="float: right;">Elevation: 754 (Ft.) +/-</span>									
28.5	<b>LEAN CLAY WITH SAND (CL)</b> , trace gravel, gray, very stiff to hard <i>(continued)</i>									
28.5			725.5							
	<b>SILTY SAND (SM)</b> , trace gravel, gray, very dense									
			30	X	18		18-30-37 N=67	-		
			35	▽	X	18	30-39-35 N=74	-		
			40		X	18	18-29-33 N=62	-		
			45		X	18	14-27-35 N=62	-		
			50	▽	X	18	21-31-38 N=69	-		
50.0	<b>Boring Terminated at 50 Feet</b>		704							

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p>▽ Water encountered at 35 feet during drilling</p> <p>▽ Water observed at 49 feet after completion</p>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B. Cogar</p> <p><b>Logged by</b> T. Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	

## Boring Log No. B-9

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9551° Longitude: -82.9960°	Depth (Ft.)	Elevation: 754 (Ft.) +/-	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits	
										LL-PL-PI	
	Depth (Ft.)										
	0.3	<b>AGGREGATE BASE COURSE (3")</b>	753.7								
		<b>FILL - SANDY LEAN CLAY WITH GRAVEL</b> , brown, encountered brick and asphalt fragments, encountered trace amounts of organic material					5	17-12-9-6 N=21	-	6.0	
							10	8-7-6 N=13	-	9.0	
	3.5	<b>FILL - SILTY SAND</b> , brown, encountered red brick fragments, encountered aggregate fragments	750.5				3	50/3"	-	1.0	
							18	7-9-10 N=19	-	13.0	
	6.0	<b>FILL - SANDY LEAN CLAY</b> , trace gravel, brown, encountered aggregate fragments	748				12	8-15-31 N=46	-	6.0	
						0	46-50/5"	-			
						12	18-24-25 N=49	4.5+ (HP)	9.0		
18.5	<b>LEAN CLAY WITH SAND (CL)</b> , trace gravel, gray, hard	735.5				12	18-28-29 N=57	-			
23.5	<b>CLAYEY SAND (SC)</b> , trace gravel, gray, very dense	730.5									

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b> No free water encountered.</p>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B.Cogar</p>
<p><b>Notes</b> Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	<p><b>Logged by</b> T.Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>

## Boring Log No. B-9

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9551° Longitude: -82.9960°	Depth (Ft.)	Elevation: 754 (Ft.) +/-	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
										LL-PL-PI
CLAYEY SAND (SC)	<b>CLAYEY SAND (SC)</b> , trace gravel, gray, very dense <i>(continued)</i>	28.5	725.5							
SILTY SAND (SM)	<b>SILTY SAND (SM)</b> , gray, very dense	30.0	724			14	30-34-41 N=75	-		
	<b>Boring Terminated at 30 Feet</b>									

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).                  See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b> No free water encountered.</p>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B.Cogar</p>
<p><b>Notes</b> Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	<p><b>Logged by</b> T.Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>

## Boring Log No. B-10

Graphic Log	Location: See <span style="color: red;">Exploration Plan</span>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits	
	Depth (Ft.)	Elevation: 754 (Ft.) +/-								LL-PL-PI	
	0.6	<b>ASPHALT(8")</b>	753.4								
	<b>FILL - SILTY SAND</b> , gray, encountered asphalt fragments										
	3.5			750.5							
	<b>FILL - SANDY LEAN CLAY</b> , trace gravel, brown, encountered shale fragments										
	5										
	8.5			745.5							
	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, brown mottled with gray, hard										
	- encountered cobbles/ boulders between 13.5 and 18.5 feet										
	- color changes to gray at 18.5 ft										
	23.5			730.5							
<b>SILTY SAND (SM)</b> , trace gravel, gray, very dense											

<p>See <span style="color: red;">Exploration and Testing Procedures</span> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <span style="color: red;">Supporting Information</span> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <ul style="list-style-type: none"> <li><span style="color: blue;">▽</span> Water encountered at 30 feet during drilling</li> <li><span style="color: blue;">▽</span> Water observed at 40 feet after completion</li> </ul>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B.Cogar</p> <p><b>Logged by</b> T.Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	

## Boring Log No. B-10

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9551° Longitude: -82.9956°	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
									LL-PL-PI
	Depth (Ft.) <span style="float: right;">Elevation: 754 (Ft.) +/-</span>								
	<b>SILTY SAND (SM)</b> , trace gravel, gray, very dense <i>(continued)</i>								
		30	▽		18	26-34-47 N=81	-		
		35			18	31-40-40 N=80	-		
		40	▽		18	20-33-35 N=68	-		
		45			18	16-30-41 N=71	-		
		50			18	26-35-43 N=78	-		
	50.0 <span style="float: right;">704</span> <b>Boring Terminated at 50 Feet</b>								

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p>▽ Water encountered at 30 feet during drilling</p> <p>▽ Water observed at 40 feet after completion</p>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B. Cogar</p> <p><b>Logged by</b> T. Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	

## Boring Log No. B-11

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9549° Longitude: -82.9958°									Elevation: 753 (Ft.) +/-
	0.7	752.3				15	4-4-6-9 N=10	-	22.0	
	<b>FILL - SANDY LEAN CLAY</b> , brown, encountered asphalt fragments					12	5-6-7 N=13	-	12.0	
	3.5	749.5				12	4-5-6 N=11	4.5 (HP)	13.0	
	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, brown, stiff					12	6-6-6 N=12	4.5 (HP)	19.0	
	8.5	744.5				18	12-24-50/5"	4.5+ (HP)	10.0	
	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, brown mottled with gray, hard					15	12-15-19 N=34	4.5+ (HP)	8.0	
	- color changes to gray at 13.5 ft.					14	15-18-21 N=39	4.5 (HP)	9.0	
23.5	729.5				12	24-31-26 N=57	-			
<b>SILTY SAND (SM)</b> , trace gravel, gray, very dense										

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b>                  No free water encountered.</p>	<p><b>Drill Rig</b>                  CME-550</p> <p><b>Hammer Type</b>                  Automatic</p> <p><b>Driller</b>                  B.Cogar</p>
<p><b>Notes</b>                  Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b>                  3.25' HSA</p> <p><b>Abandonment Method</b>                  Boring backfilled with cuttings upon completion.</p>	<p><b>Logged by</b>                  T.Carothers</p> <p><b>Boring Started</b>                  09-10-2024</p> <p><b>Boring Completed</b>                  09-10-2024</p>

## Boring Log No. B-11

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9549° Longitude: -82.9958°	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits	
									LL-PL-PI	
30.0	Depth (Ft.) <span style="float: right;">Elevation: 753 (Ft.) +/-</span> <b>SILTY SAND (SM)</b> , trace gravel, gray, very dense <i>(continued)</i>	30			14	26-30-48 N=78	-			
	<b>Boring Terminated at 30 Feet</b>									

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).                  See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b> No free water encountered.</p>	<p><b>Drill Rig</b> CME-550</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> B.Cogar</p>
<p><b>Notes</b> Elevation Reference: Elevations were estimated using Google earth .</p>	<p><b>Advancement Method</b> 3.25' HSA</p> <p><b>Abandonment Method</b> Boring backfilled with cuttings upon completion.</p>	<p><b>Logged by</b> T.Carothers</p> <p><b>Boring Started</b> 09-10-2024</p> <p><b>Boring Completed</b> 09-10-2024</p>

## Boring Log No. B-1

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9547° Longitude: -82.9962°									LL-PL-PI
	Depth (Ft.)		Elevation: 756 (Ft.) +/-							
0.7	<b>ASPHALT (8")</b>									
1.2	<b>AGGREGATE (6")</b>									
9.0	<b>FILL - SANDY LEAN CLAY</b> , trace gravel, brown, encountered red brick fragments		5		18	3-3-4 N=7	2.0 (HP)	27.0		
9.0					14	3-5-8 N=13	1.5 (HP)	15.0		
9.0					10	4-8-10 N=18	-	22.0		
9.0	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, brown, very stiff		10		18	4-11-17 N=28	4.5+ (HP)	11.0		
13.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, hard		15		18	45-21-25 N=46	4.5+ (HP)	9.0		
13.5					18	14-18-20 N=38	4.5+ (HP)	8.0		
25.0			25		5	50/5"	-	11.0		
28.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , trace gravel, brown, very dense		30		18	25-30-36 N=66	-			
30.0	<b>Boring Terminated at 30 Feet</b>									

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b> No free water observed</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-10-2022</p> <p><b>Boring Completed</b> 10-10-2022</p>
<p><b>Notes</b> Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>	



## Boring Log No. B-2

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9546° Longitude: -82.9962° Depth (Ft.) <span style="float: right;">Elevation: 756 (Ft.) +/-</span>	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits LL-PL-PI
			<p><b>POORLY GRADED SAND WITH SILT (SP-SM)</b>, trace gravel, brown, very dense <i>(continued)</i></p> <p>33.5 <span style="float: right;">722.5</span></p> <p><b>SILTY SAND WITH GRAVEL (SM)</b>, gray, very dense</p> <p>38.5 <span style="float: right;">717.5</span></p> <p><b>SANDY SILT WITH GRAVEL (ML)</b>, gray, dense - encountered clay seam between 38.5 and 40 feet</p> <p>48.5 <span style="float: right;">707.5</span></p> <p><b>POORLY GRADED SAND (SP)</b>, trace gravel, gray, dense</p> <p>53.5 <span style="float: right;">702.5</span></p> <p><b>SILTY SAND (SM)</b>, trace gravel, gray, medium dense to dense</p> <p>60.0 <span style="float: right;">696</span></p> <p><b>Boring Terminated at 60 Feet</b></p>	<p>33</p> <p>35</p> <p>40</p> <p>45</p> <p>50</p> <p>55</p> <p>60</p>	<p>▽</p>	<p>×</p> <p>×</p> <p>×</p> <p>×</p> <p>×</p> <p>×</p>	<p></p> <p>16</p> <p>18</p> <p>18</p> <p>18</p> <p>12</p> <p>12</p>	<p></p> <p>13-30-31 N=61</p> <p>9-16-29 N=45</p> <p>9-20-27 N=47</p> <p>8-10-20 N=30</p> <p>12-18-23 N=41</p> <p>11-12-17 N=29</p>	<p></p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).                  See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p> <p><b>Notes</b>                  Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Water Level Observations</b>                  ▽ Groundwater was encountered at 33' while drilling</p> <p><b>Advancement Method</b>                  3.25" HSA</p> <p><b>Abandonment Method</b>                  Boring backfilled with auger cuttings upon completion.</p>	<p><b>Drill Rig</b>                  Deidrich D-50</p> <p><b>Hammer Type</b>                  Automatic</p> <p><b>Driller</b>                  John Silcox</p> <p><b>Logged by</b>                  RL</p> <p><b>Boring Started</b>                  10-11-2022</p> <p><b>Boring Completed</b>                  10-11-2022</p>
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## Boring Log No. B-3

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits	
	Latitude: 39.9547° Longitude: -82.9959°									LL-PL-PI	
	Depth (Ft.)		Elevation: 755 (Ft.) +/-								
0.3	<b>ASPHALT (4")</b>		754.67								
1.3	<b>AGGREGATE (11")</b>		753.75								
	<b>FILL - LEAN CLAY WITH SAND</b> , trace gravel, brown				X	12	3-2-4 N=6	-	23.0		
3.5	<b>FILL - SANDY LEAN CLAY</b> , trace gravel, brown		751.5								
	- encountered aggregate fragments between 8.5 and 10 feet				X	18	3-3-6 N=9	0.5 (HP)	18.0		
						X	16	5-8-18 N=26	4.5+ (HP)	12.0	
						X	12	13-27-35 N=62	-	7.0	
13.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, hard		741.5								
					X	18	12-18-16 N=34	4.5+ (HP)	9.0		
						X	18	10-12-20 N=32	4.5+ (HP)	9.0	
23.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , trace gravel, gray, dense to very dense		731.5								
					X	18	21-23-32 N=55	-			
						X	12	16-21-28 N=49	-		

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p> Groundwater was encountered at 33' while drilling</p> <p> Groundwater was encountered at 35' upon completion</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-11-2022</p> <p><b>Boring Completed</b> 10-11-2022</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>	

## Boring Log No. B-3

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9547° Longitude: -82.9959°	Depth (Ft.)	Elevation: 755 (Ft.) +/-	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
										LL-PL-PI
[Symbol]	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , trace gravel, gray, dense to very dense <i>(continued)</i>	33.5	721.5	▽						
[Symbol]	<b>SANDY SILT (ML)</b> , trace gravel, gray, very dense	35	716.5	▽	X	18	15-20-33 N=53	-		
[Symbol]	<b>SILTY SAND WITH GRAVEL (SM)</b> , trace gravel, gray, very dense	38.5	716.5		X	8	33-50/5"	-		
[Symbol]	<b>SILTY SAND (SM)</b> , trace gravel, gray, medium dense	43.5	711.5		X	14	10-9-8 N=17	-		
[Symbol]	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, hard	48.5	706.5		X	15	11-50/4"	4.5+ (HP)	9.0	
[Symbol]	<b>SILTY SAND WITH GRAVEL (SM)</b> , trace gravel, gray - encountered cobbles between 53.5 and 55 feet	53.5	701.5		X	0	20-45-50/4"	-		
[Symbol]	<b>Boring Terminated at 59.8 Feet</b>	59.8	695.2		X	10	18-43-50/4"	-		

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).                  See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p> <p><b>Notes</b>                  Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Water Level Observations</b>                  ▽ Groundwater was encountered at 33' while drilling                  ▽ Groundwater was encountered at 35' upon completion</p> <p><b>Advancement Method</b>                  3.25" HSA</p> <p><b>Abandonment Method</b>                  Boring backfilled with auger cuttings upon completion.</p>	<p><b>Drill Rig</b>                  Deidrich D-50</p> <p><b>Hammer Type</b>                  Automatic</p> <p><b>Driller</b>                  John Silcox</p> <p><b>Logged by</b>                  RL</p> <p><b>Boring Started</b>                  10-11-2022</p> <p><b>Boring Completed</b>                  10-11-2022</p>
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## Boring Log No. B-4

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9546° Longitude: -82.9959°									LL-PL-PI
	Depth (Ft.)		Elevation: 755 (Ft.) +/-							
0.5	<b>ASPHALT (6")</b>		754.5							
1.2	<b>AGGREGATE (8")</b>		753.84							
5	<b>FILL - SANDY LEAN CLAY WITH GRAVEL (CL)</b> , dark brown, encountered red brick fragments, concrete fragments, metal fragments and asphalt fragments			▽	X	5	6-3-2 N=5	-	15.0	
6.0	<b>FILL - SILTY SAND (SM)</b> , trace gravel, brown		749		X	12	3-6-6 N=12	2.5 (HP)	17.0	
7.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, brown, hard		747.5		X	16	6-8-8 N=16	2.0 (HP)	14.1	21-19-2
10					X	16	11-16-19 N=35	4.5+ (HP)	10.0	
13.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, hard		741.5		X	18	12-16-19 N=35	4.5+ (HP)	9.0	
15					X	2	11-22-30 N=52	-		
18.5	<b>CLAYEY SAND (SC)</b> , trace gravel, brown, very dense		736.5	▽	X	16	12-30-46 N=76	-		
20					X	18	13-18-35 N=53	-		
23.5	<b>SILTY SAND (SM)</b> , trace gravel, gray, very dense, encountered clay seam		731.5		X	16	12-30-46 N=76	-		
25					X	18	13-18-35 N=53	-		
28.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , gray, very dense		726.5		X	18	13-18-35 N=53	-		
30.0	<b>Boring Terminated at 30 Feet</b>		725		X	18	13-18-35 N=53	-		

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (If any).  
 See [Supporting Information](#) for explanation of symbols and abbreviations.

**Notes**  
 Elevation Reference: Elevations were obtained from Google Earth

**Water Level Observations**

- ▽ Groundwater was encountered at 21' while drilling
- ▽ Groundwater was encountered at 4' upon completion



**Advancement Method**  
 3.25" HSA

**Abandonment Method**  
 Boring backfilled with auger cuttings upon completion.

**Drill Rig**  
 Deidrich D-50

**Hammer Type**  
 Automatic

**Driller**  
 John Silcox

**Logged by**  
 RL

**Boring Started**  
 10-11-2022

**Boring Completed**  
 10-11-2022

## Boring Log No. B-5

Graphic Log	Location: See <span style="color: red;">Exploration Plan</span>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9550° Longitude: -82.9957°									LL-PL-PI
	Depth (Ft.)		Elevation: 755 (Ft.) +/-							
	0.5	<b>ASPHALT (6")</b>	754.5							
	0.8	<b>AGGREGATE (4")</b>	754.17							
		<b>FILL - POORLY GRADED SAND WITH GRAVEL</b> , brown to red, encountered red brick fragments and aggregate fragments		5	X	8	2-2-3 N=5	-	15.0	
				5	X	3	8-4-3 N=7	-	13.0	
	6.0	<b>FILL - SILTY GRAVEL WITH SAND</b> , brown, encountered aggregate fragments	749	10	X	3	16-8-10 N=18	-	9.9	23-20-3
				10	X	18	5-9-34 N=43	-	16.0	
13.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, very stiff to hard	741.5	15	X	16	16-12-17 N=29	4.5+ (HP)	9.0		
			20	X	18	12-18-30 N=48	4.5+ (HP)	9.0		
23.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , trace gravel, gray, very dense	731.5	25	X	16	11-30-32 N=62	-			
28.5	<b>SILTY SAND (SM)</b> , trace gravel, gray, dense to very dense	726.5	30	X	14	15-30-34 N=64	-			

<p>See <span style="color: red;">Exploration and Testing Procedures</span> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <span style="color: red;">Supporting Information</span> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p><span style="color: blue;">▽</span> Groundwater was encountered at 33' while drilling</p> <p><span style="color: blue;">▽</span> Groundwater was encountered at 32' upon completion</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-10-2022</p> <p><b>Boring Completed</b> 10-10-2022</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>	

## Boring Log No. B-5

Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9550° Longitude: -82.9957° Depth (Ft.) <span style="float: right;">Elevation: 755 (Ft.) +/-</span>	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
									LL-PL-PI
	<b>SILTY SAND (SM)</b> , trace gravel, gray, dense to very dense <i>(continued)</i>	35	▽	X	17	15-18-23 N=41	-		
		40		X	16	8-20-22 N=42	-		
		45		X	15	18-21-26 N=47	-		
		50		X	17	11-26-50 N=76	-	10.0	
		55		X	14	33-30-37 N=67	-		
	<b>CLAYEY SAND (SC)</b> , trace gravel, gray, very dense	60		X	18	17-23-24 N=47	-		
		60	<b>Boring Terminated at 60 Feet</b>						

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).                  See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b>                  ▽ Groundwater was encountered at 33' while drilling                  ▽ Groundwater was encountered at 32' upon completion</p>
<p><b>Notes</b>                  Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-10-2022</p> <p><b>Boring Completed</b> 10-10-2022</p>
	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>

## Boring Log No. B-6

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9548° Longitude: -82.9956°									LL-PL-PI
	Depth (Ft.) <span style="float: right;">Elevation: 754 (Ft.) +/-</span>									
0.5	<b>ASPHALT (6")</b> <span style="float: right;">753.5</span>									
1.3	<b>AGGREGATE (10")</b> <span style="float: right;">752.75</span>									
	- encountered aggregate fragments between 1 and 2.5 feet									
	<b>FILL - LEAN CLAY WITH SAND</b> , trace gravel, brown									
	- encountered asphalt fragments between 3.5 and 5 feet									
6.0	<b>FILL - SILTY GRAVEL WITH SAND (GM)</b> , brown <span style="float: right;">748</span>		5							
	- encountered asphalt fragments between 3.5 and 5 feet									
8.5	<b>FILL - SANDY LEAN CLAY (CL)</b> , trace gravel, brown, encountered iron stains <span style="float: right;">745.5</span>									
	- encountered asphalt fragments between 3.5 and 5 feet									
13.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray <span style="float: right;">740.5</span>		15							
	- encountered asphalt fragments between 3.5 and 5 feet									
23.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , gray, very dense <span style="float: right;">730.5</span>		20							
	- encountered asphalt fragments between 3.5 and 5 feet									
30.0	<b>Boring Terminated at 30 Feet</b> <span style="float: right;">724</span>		30							

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (if any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b>                  No free water observed</p>	<p><b>Drill Rig</b>                  Deidrich D-50</p> <p><b>Hammer Type</b>                  Automatic</p> <p><b>Driller</b>                  John Silcox</p> <p><b>Logged by</b>                  RL</p> <p><b>Boring Started</b>                  10-11-2022</p> <p><b>Boring Completed</b>                  10-11-2022</p>
<p><b>Notes</b>                  Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b>                  3.25" HSA</p> <p><b>Abandonment Method</b>                  Boring backfilled with auger cuttings upon completion.</p>	

## Boring Log No. B-7

Graphic Log	Location: See <a href="#">Exploration Plan</a>		Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits
	Latitude: 39.9546° Longitude: -82.9956°									LL-PL-PI
	Depth (Ft.)		Elevation: 754 (Ft.) +/-							
0.5	<b>ASPHALT (6")</b>		753.5							
1.2	<b>AGGREGATE (8")</b>		752.84							
FILL	<b>FILL - SANDY LEAN CLAY (CL)</b> , trace gravel, brown, encountered red brick fragments and asphalt fragments									
			5	X	9	2-3-3 N=6	-	26.0		
			5	X	10	17-24-15 N=39	-	16.0		
			5	X	18	7-9-10 N=19	3.0 (HP)	12.0		
			10	X	18	15-17-20 N=37	-	11.0		
8.5	<b>SANDY LEAN CLAY (CL)</b> , trace gravel, gray, hard		745.5							
			15	▽	7	18-24-20 N=44	2.0 (HP)	17.0		
			20	▽	14	14-19-21 N=40	4.5+ (HP)	9.0		
23.5	<b>POORLY GRADED SAND WITH GRAVEL (SP)</b> , trace gravel, gray, very dense		730.5							
			25	X	11	18-20-35 N=55	-			
28.5	<b>SILTY SAND WITH GRAVEL (SP)</b> , trace gravel, gray, dense to very dense		725.5							
			30	X	16	18-22-27 N=49	-			

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p>▽ Groundwater was encountered at 18' while drilling</p> <p>▽ Groundwater was encountered at 14' upon completion</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-10-2022</p> <p><b>Boring Completed</b> 10-10-2022</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>	

## Boring Log No. B-7

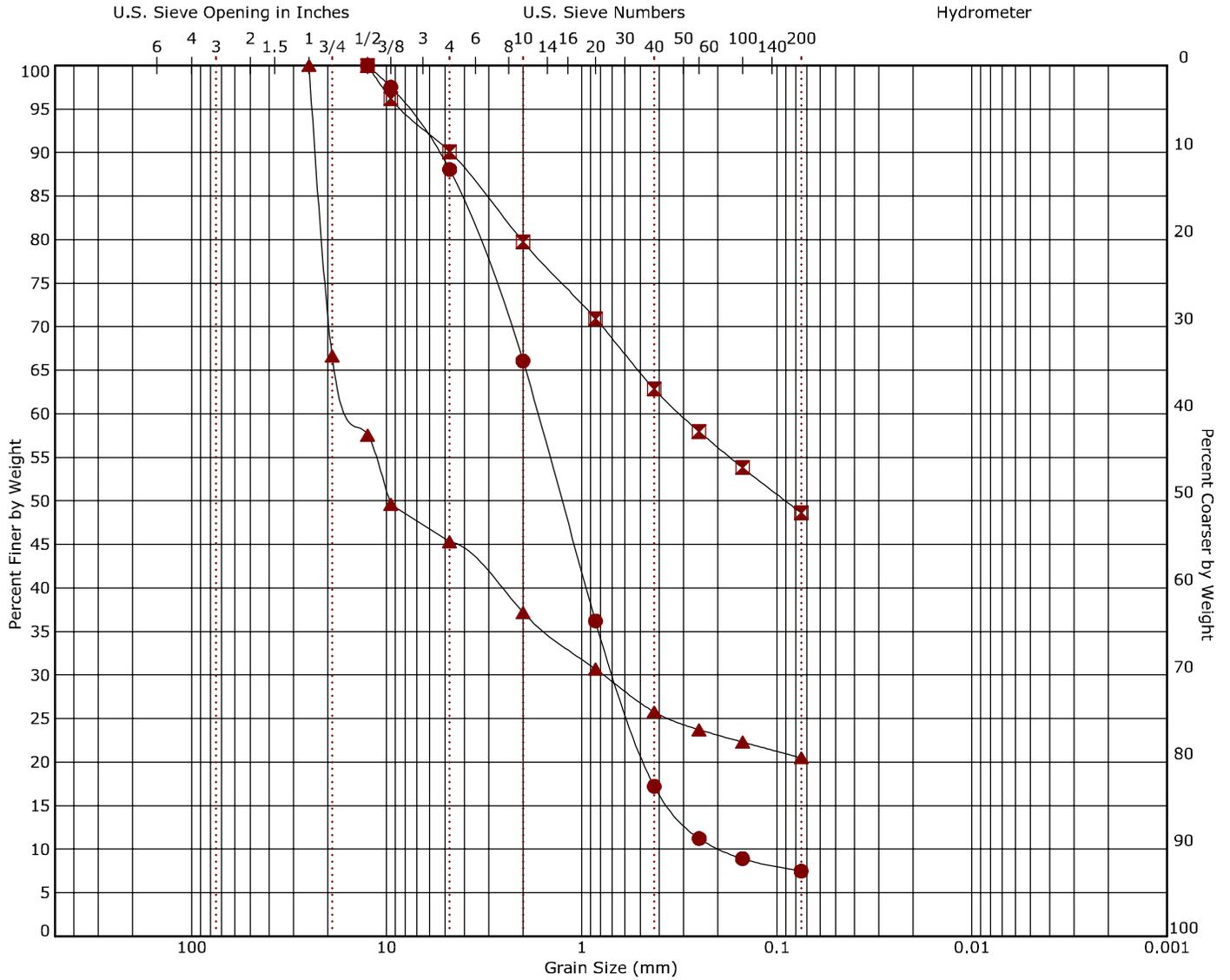
Graphic Log	Location: See <a href="#">Exploration Plan</a> Latitude: 39.9546° Longitude: -82.9956° Depth (Ft.) <span style="float: right;">Elevation: 754 (Ft.) +/-</span>	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (%)	Field Test Results	HP (tsf)	Water Content (%)	Atterberg Limits LL-PL-PI
			<p><b>SILTY SAND WITH GRAVEL (SP)</b>, trace gravel, gray, dense to very dense (<i>continued</i>)</p>	<p>35</p> <p>40</p> <p>45</p> <p>50</p> <p>55</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p>18</p> <p>18</p> <p>18</p> <p>18</p> <p>11</p> <p>10</p>	<p>22-24-28 N=52</p> <p>17-18-19 N=37</p> <p>25-25-23 N=48</p> <p>22-25-27 N=52</p> <p>38-50/5"</p> <p>28-42-50/5"</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
	<p>53.5 <span style="float: right;">700.5</span></p> <p><b>SANDY LEAN CLAY (CL)</b>, trace gravel, gray, hard, encountered cobbles/boulder, silt</p> <p>58.5 <span style="float: right;">695.5</span></p> <p><b>POORLY GRADED SAND WITH GRAVEL (SP)</b>, trace gravel, gray, very dense</p> <p>59.9 <span style="float: right;">694.1</span></p> <p><b>Boring Terminated at 59.9 Feet</b></p>								

<p>See <a href="#">Exploration and Testing Procedures</a> for a description of field and laboratory procedures used and additional data (If any).</p> <p>See <a href="#">Supporting Information</a> for explanation of symbols and abbreviations.</p>	<p><b>Water Level Observations</b></p> <p> Groundwater was encountered at 18' while drilling</p> <p> Groundwater was encountered at 14' upon completion</p>	<p><b>Drill Rig</b> Deidrich D-50</p> <p><b>Hammer Type</b> Automatic</p> <p><b>Driller</b> John Silcox</p> <p><b>Logged by</b> RL</p> <p><b>Boring Started</b> 10-10-2022</p> <p><b>Boring Completed</b> 10-10-2022</p>
<p><b>Notes</b></p> <p>Elevation Reference: Elevations were obtained from Google Earth</p>	<p><b>Advancement Method</b> 3.25" HSA</p> <p><b>Abandonment Method</b> Boring backfilled with auger cuttings upon completion.</p>	



## Grain Size Distribution

### ASTM D422 / ASTM C136



Cobbles | 
 Gravel | 
 Sand | 
 Silt or Clay

coarse | fine | coarse | medium | fine

Boring ID	Depth (Ft)	Description	LL	PL	PI	Cc	Cu
● B-2	28.5 - 30	POORLY GRADED SAND with SILT	NP	NP	NP	1.43	8.82
⊠ B-4	6 - 7.5	SILTY SAND	21	19	2		
▲ B-5	6 - 7.5	SILTY GRAVEL with SAND	23	20	3		

Boring ID	Depth (Ft)	D <sub>100</sub>	D <sub>60</sub>	D <sub>30</sub>	D <sub>10</sub>	%Cobbles	%Gravel	%Sand	%Fines	%Silt	%Clay
● B-2	28.5 - 30	12.5	1.68	0.678	0.191	0.0	11.9	80.6	7.5		
⊠ B-4	6 - 7.5	12.5	0.312			0.0	9.9	41.5	48.6		
▲ B-5	6 - 7.5	25	13.983	0.771		0.0	54.7	24.8	20.5		

## **Supporting Information**

### **Contents:**

General Notes

Unified Soil Classification System

Note: All attachments are one page unless noted above.

## General Notes

Sampling	Water Level	Field Tests
 Standard Penetration Test	 Water Level Initially Encountered  Water Level After a Specified Period of Time  Water Level After a Specified Period of Time  Cave In Encountered  Water levels indicated on the soil boring logs are the levels measured in the borehole at the times indicated. Groundwater level variations will occur over time. In low permeability soils, accurate determination of groundwater levels is not possible with short term water level observations.	N Standard Penetration Test Resistance (Blows/Ft.) (HP) Hand Penetrometer (T) Torvane (DCP) Dynamic Cone Penetrometer UC Unconfined Compressive Strength (PID) Photo-Ionization Detector (OVA) Organic Vapor Analyzer

### Descriptive Soil Classification

Soil classification as noted on the soil boring logs is based Unified Soil Classification System. Where sufficient laboratory data exist to classify the soils consistent with ASTM D2487 "Classification of Soils for Engineering Purposes" this procedure is used. ASTM D2488 "Description and Identification of Soils (Visual-Manual Procedure)" is also used to classify the soils, particularly where insufficient laboratory data exist to classify the soils in accordance with ASTM D2487. In addition to USCS classification, coarse grained soils are classified on the basis of their in-place relative density, and fine-grained soils are classified on the basis of their consistency. See "Strength Terms" table below for details. The ASTM standards noted above are for reference to methodology in general. In some cases, variations to methods are applied as a result of local practice or professional judgment.

### Location And Elevation Notes

Exploration point locations as shown on the Exploration Plan and as noted on the soil boring logs in the form of Latitude and Longitude are approximate. See Exploration and Testing Procedures in the report for the methods used to locate the exploration points for this project. Surface elevation data annotated with +/- indicates that no actual topographical survey was conducted to confirm the surface elevation. Instead, the surface elevation was approximately determined from topographic maps of the area.

### Strength Terms

Relative Density of Coarse-Grained Soils (More than 50% retained on No. 200 sieve.) Density determined by Standard Penetration Resistance		Consistency of Fine-Grained Soils (50% or more passing the No. 200 sieve.) Consistency determined by laboratory shear strength testing, field visual-manual procedures or standard penetration resistance		
Relative Density	Standard Penetration or N-Value (Blows/Ft.)	Consistency	Unconfined Compressive Strength Qu (tsf)	Standard Penetration or N-Value (Blows/Ft.)
Very Loose	0 - 3	Very Soft	less than 0.25	0 - 1
Loose	4 - 9	Soft	0.25 to 0.50	2 - 4
Medium Dense	10 - 29	Medium Stiff	0.50 to 1.00	4 - 8
Dense	30 - 50	Stiff	1.00 to 2.00	8 - 15
Very Dense	> 50	Very Stiff	2.00 to 4.00	15 - 30
		Hard	> 4.00	> 30

### Relevance of Exploration and Laboratory Test Results

Exploration/field results and/or laboratory test data contained within this document are intended for application to the project as described in this document. Use of such exploration/field results and/or laboratory test data should not be used independently of this document.

## Unified Soil Classification System

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests <sup>A</sup>				Soil Classification	
				Group Symbol	Group Name <sup>B</sup>
<b>Coarse-Grained Soils:</b> More than 50% retained on No. 200 sieve	<b>Gravels:</b> More than 50% of coarse fraction retained on No. 4 sieve	<b>Clean Gravels:</b> Less than 5% fines <sup>C</sup>	$Cu \geq 4$ and $1 \leq Cc \leq 3$ <sup>E</sup>	GW	Well-graded gravel <sup>F</sup>
		<b>Gravels with Fines:</b> More than 12% fines <sup>C</sup>	$Cu < 4$ and/or $[Cc < 1$ or $Cc > 3.0]$ <sup>E</sup>	GP	Poorly graded gravel <sup>F</sup>
			Fines classify as ML or MH	GM	Silty gravel <sup>F, G, H</sup>
		<b>Sands:</b> 50% or more of coarse fraction passes No. 4 sieve	<b>Clean Sands:</b> Less than 5% fines <sup>D</sup>	Fines classify as CL or CH	GC
	$Cu \geq 6$ and $1 \leq Cc \leq 3$ <sup>E</sup>			SW	Well-graded sand <sup>I</sup>
	<b>Sands with Fines:</b> More than 12% fines <sup>D</sup>		$Cu < 6$ and/or $[Cc < 1$ or $Cc > 3.0]$ <sup>E</sup>	SP	Poorly graded sand <sup>I</sup>
			Fines classify as ML or MH	SM	Silty sand <sup>G, H, I</sup>
	<b>Fine-Grained Soils:</b> 50% or more passes the No. 200 sieve	<b>Silts and Clays:</b> Liquid limit less than 50	<b>Inorganic:</b>	PI > 7 and plots above "A" line <sup>J</sup>	CL
PI < 4 or plots below "A" line <sup>J</sup>				ML	Silt <sup>K, L, M</sup>
<b>Organic:</b>			$\frac{LL \text{ oven dried}}{LL \text{ not dried}} < 0.75$	OL	Organic clay <sup>K, L, M, N</sup>
					Organic silt <sup>K, L, M, O</sup>
<b>Silts and Clays:</b> Liquid limit 50 or more		<b>Inorganic:</b>	PI plots on or above "A" line	CH	Fat clay <sup>K, L, M</sup>
			PI plots below "A" line	MH	Elastic silt <sup>K, L, M</sup>
		<b>Organic:</b>	$\frac{LL \text{ oven dried}}{LL \text{ not dried}} < 0.75$	OH	Organic clay <sup>K, L, M, P</sup>
					Organic silt <sup>K, L, M, Q</sup>
<b>Highly organic soils:</b>	Primarily organic matter, dark in color, and organic odor			PT	Peat

<sup>A</sup> Based on the material passing the 3-inch (75-mm) sieve.

<sup>B</sup> If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

<sup>C</sup> Gravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

<sup>D</sup> Sands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay.

<sup>E</sup>  $Cu = D_{60}/D_{10}$      $Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$

<sup>F</sup> If soil contains  $\geq 15\%$  sand, add "with sand" to group name.

<sup>G</sup> If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

<sup>H</sup> If fines are organic, add "with organic fines" to group name.

<sup>I</sup> If soil contains  $\geq 15\%$  gravel, add "with gravel" to group name.

<sup>J</sup> If Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

<sup>K</sup> If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

<sup>L</sup> If soil contains  $\geq 30\%$  plus No. 200 predominantly sand, add "sandy" to group name.

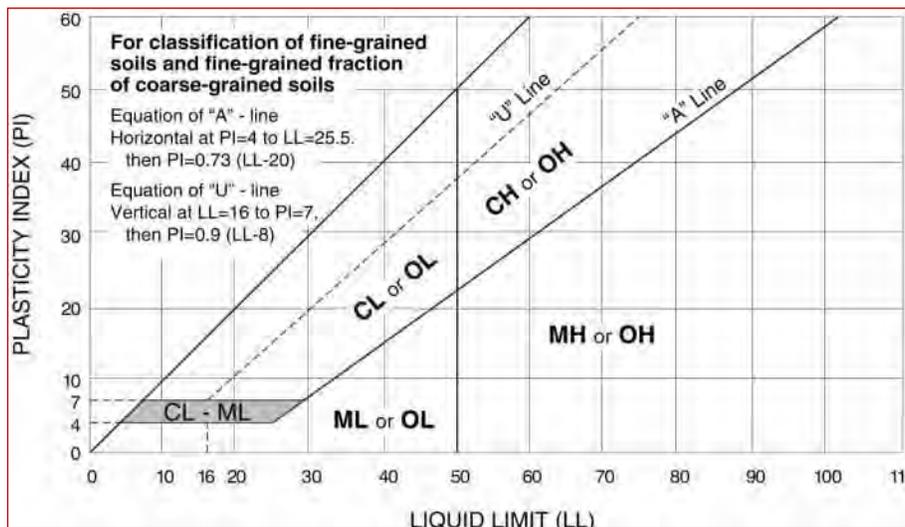
<sup>M</sup> If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

<sup>N</sup> PI  $\geq 4$  and plots on or above "A" line.

<sup>O</sup> PI < 4 or plots below "A" line.

<sup>P</sup> PI plots on or above "A" line.

<sup>Q</sup> PI plots below "A" line.



## **SECTION 01 22 00**

### **UNIT PRICES**

#### **PART 1 GENERAL**

##### **1.01 SUMMARY**

- A. Section includes administrative requirements and criteria applicable to portions of the work performed under a unit price payment method.

##### **1.02 DEFINITIONS**

- A. A unit price is an amount proposed by a bidder and stated on the Bid Form as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order to the extent that the quantities of work required by the Contract Documents are increased or decreased. In the event greater or lesser quantities of materials are required by the Contract Documents, the Unit Price will be used as the basis for adjustment by Change Order, for the duration of the Contract.
- B. Unit prices are indicated on the Bid Form. Where indicated, refer to individual specification sections for specific information regarding unit prices. A Unit Price schedule is included at the end of this Section. Specification sections referenced in this section contain the specifications for materials and methods described under each unit price.

##### **1.03 DESCRIPTION OF REQUIREMENTS**

- A. Include in the total bid amount all unit prices stated in the Contract Documents.
- B. Requirements of the Work related to Unit Prices are specified in the Contract Documents and indicated on the Bid Form. The work associated with unit prices is over and above that which is identified on the Contract Documents which is base bid or alternate work.
- C. Work associated with unit prices is to be performed only with the prior approval of the Architect. No credit will be given for work performed under a unit price without such prior approval and verification of actual quantity of work completed.

##### **1.04 MEASUREMENT AND PAYMENT OF UNIT PRICES**

- A. Take all measurements and compute quantities. The Architect will verify measurements and quantities. Provide necessary equipment and assist in the verification of measurements and quantities.
  - 1. Measurement by Weight: Measured by handbook or scaled weight.
  - 2. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.
  - 3. Measurement by Area: Measured by square dimension using mean length and width or radius.

4. Linear Measurement: Measured by linear dimension, at the item centerline or mean chord.
- B. Unit Quantities: Quantities and measurements indicated in the Form of Proposal are for bidding and contract purposes only. Quantities and measurements supplied or placed in the work and verified by the Architect shall determine payment.
- C. Unit Price Includes: Full compensation for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; and including overhead and profit.
- D. Payment will not be made for materials wasted or disposed of in a manner that is not acceptable, materials remaining on hand after completion of the work, or installation of materials beyond the lines and levels of the required work.

**PART 2 PRODUCTS**

Not Used

**PART 3 EXECUTION**

3.01 UNIT PRICES

- A. Existing Soil Removal
  1. Description: Unit price is for soil removal from related building foundation removal work where unsuitable soils are uncovered and need to be removed. Comply with specification 02 41 13 Site Demolition and 00 31 32 Geotechnical Investigations Report. Base bid is for known soil quantities related to building demolition and utility work as noted in the construction documents..
  2. Unit Cost: Include material and labor.
  3. Unit of Measure: Cubic foot
  4. Quantity of Work: Complete removal, quantity unknown.
- B. Engineered Fill
  1. Description: Unit price is for all new fill required from soil removal from item A above. Base bid is for known quantities. Comply with 00 31 32 Geotechnical Investigations Report.
  2. Unit Cost: Include material and labor.
  3. Unit of Measure: Cubic foot
  4. Quantity of Work: Quantity unknown.

**END OF SECTION**

## **SECTION 01 74 19**

### **CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL**

#### **PART 1 GENERAL**

##### 1.01 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Salvaging nonhazardous demolition and construction waste.
  - 2. Recycling nonhazardous demolition and construction waste.
  - 3. Disposing of nonhazardous demolition and construction waste.

##### 1.02 RELATED SECTIONS

- A. Selective Demolition - for disposition of waste resulting from partial demolition of buildings, structures, and site improvements: Section 02 41 13.
- B. Structure Demolition - for disposition of waste resulting from demolition of buildings, structures, and site improvements: Section 02 41 16.

##### 1.03 DEFINITIONS

- A. Alternative Daily Cover: Material other than earthen material placed on the surface of the active face of a landfill at the end of each operating day to prevent odor, scavenging, and litter.
- B. Commingled Waste: Building waste streams that are combined on the project site and hauled away for sorting into recycling streams.
- C. Construction Waste: Building and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- D. Construction Waste Management Plan: Plan for reducing the construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials.
- E. Demolition Waste: Building and site improvement materials resulting from demolition or selective demolition operations.
- F. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- G. Land-Clearing Debris and Soil: Materials that are natural (e.g., rock, soil, stone, vegetation). Materials that are man-made (e.g., concrete, brick, cement) are considered construction waste even if they were on site.
- H. Onsite Separated Waste: Each type of material is sent to a separate recycling facility.

- I. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- J. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.
- K. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.

1.04 PERFORMANCE GOALS

- A. General: Achieve end-of-Project rates for salvage/recycling of **75% of total construction and demolition debris and at least four material streams.** Alternative daily cover and land-clearing debris do not qualify as material diverted for disposal.

1.05 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.
- B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Waste Management Conference: Conduct conference at Project site to comply with requirements in Section 01 31 00, "Project Management and Coordination." Review methods and procedures related to waste management including, but not limited to, the following:
  1. Review and discuss waste management plan including responsibilities of waste management coordinator.
  2. Review requirements for documenting quantities of each type of waste and its disposition.
  3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
  4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
  5. Review waste management requirements for each trade.

1.06 SUBMITTALS

- A. Waste Management Plan: Submit 2 copies of plan within 14 days after the Notice to Proceed.
- B. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit report. Include separate reports for demolition and construction waste. Include the following information:
  1. Material category.
  2. Generation point of waste.
  3. Total quantity of waste in tons.
  4. Quantity of waste salvaged, both estimated and actual in tons.
  5. Quantity of waste recycled, both estimated and actual in tons.
  6. Total quantity of waste recovered (salvaged plus recycled) in tons.
  7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.

- C. Waste Reduction Calculations: Before request for Substantial Completion, submit three (3) copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- D. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
- E. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- F. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- G. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- H. LEED Submittal: LEED letter template for Credit MR 2, signed by Contractor, tabulating total waste material, quantities diverted and means by which it is diverted, and statement that requirements for the credit have been met.
- I. Qualification Data: For waste management coordinator and refrigerant recovery technician.
- J. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

#### 1.07 QUALITY ASSURANCE

- A. Waste Management Coordinator Qualifications: LEED Accredited Professional by U.S. Green Building Council.
- B. Regulatory Requirements: Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Waste Management Conference: Conduct conference at Project site to comply with requirements in Section 01 31 19 "Project Meetings." Review methods and procedures related to waste management including, but not limited to, the following:
  1. Review and discuss waste management plan including responsibilities of Waste Management Coordinator.
  2. Review requirements for documenting quantities of each type of waste and its disposition.
  3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
  4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
  5. Review waste management requirements for each trade.

#### 1.08 CONSTRUCTION WASTE MANAGEMENT (CWM) PLAN

- A. General: Develop a waste management plan according to Section 01 81 13: Sustainable Design Requirements. Waste Management Plan must include the following information:
  - 1. Waste diversion goals
  - 2. 5 targeted materials, both structural and non-structural, for diversion and approximate percentage of overall project waste these materials represent
  - 3. Separation procedures
  - 4. Description of where the material will be taken and how the facility will process the material
  - 5. Tracking procedures and records
  
- B. Waste Identification: Indicate anticipated types and quantities of site-clearing and construction waste generated by the Work. Use Form CWM-1 for construction waste. Include estimated quantities and assumptions for estimates.
  
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
  - 1. Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.
  - 2. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
  - 3. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.
  - 4. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
  - 5. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
  - 6. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location on Project site where materials separation will be located.

**PART 2      PRODUCTS (Not Used)**

**PART 3      EXECUTION**

3.01      PLAN IMPLEMENTATION

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
  - 1. Comply with Division 01 Section "Temporary Facilities and Controls" for operation, termination, and removal requirements.

- B. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.
  - 1. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- C. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  - 1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
  - 2. Comply with regulations for controlling dust and dirt, environmental protection, and noise control.

### 3.02 SALVAGING DEMOLITION WASTE

- A. Salvaged Items for Reuse in the Work: Salvage items for reuse and handle as follows:
  - 1. Clean salvaged items.
  - 2. Pack or crate items after cleaning. Identify contents of containers with label indicating elements, date of removal, quantity, and location where removed.
  - 3. Store items in a secure area until installation.
  - 4. Protect items from damage during transport and storage.
  - 5. Install salvaged items to comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make items functional for use indicated.
- B. Salvaged Items for Sale and Donation: Not permitted on Project site.
- C. Salvaged Items for Owner's Use: Salvage items for Owner's use and handle as follows:
  - 1. Clean salvaged items.
  - 2. Pack or crate items after cleaning. Identify contents of containers with label indicating elements, date of removal, quantity, and location where removed.
  - 3. Store items in a secure area until delivery to Owner.
  - 4. Transport items to Owner's storage area designated by Owner.
  - 5. Protect items from damage during transport and storage.
- D. Doors and Hardware: Brace open end of door frames. Except for removing door closers, leave door hardware attached to doors.
- E. Equipment: Drain tanks, piping, and fixtures. Seal openings with caps or plugs. Protect equipment from exposure to weather.
- F. Plumbing Fixtures: Separate by type and size.
- G. Lighting Fixtures: Separate lamps by type and protect from breakage.
- H. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panelboards, circuit breakers, and other devices by type.

### 3.03 RECYCLING DEMOLITION AND CONSTRUCTION WASTE, GENERAL

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Incentives: Revenues, savings, rebates, tax credits, and other incentives received for recycling waste materials shall accrue to Contractor.
- C. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.
- D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.
  - 1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
    - a. Inspect containers and bins for contamination and remove contaminated materials if found.
  - 2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
  - 3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
  - 4. Store components off the ground and protect from the weather.
  - 5. Remove recyclable waste off Owner's property and transport to recycling receiver or processor.

### 3.04 RECYCLING DEMOLITION WASTE

- A. Asphaltic Concrete Paving: Break up and transport paving to asphalt-recycling facility.
- B. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.
  - 1. Pulverize concrete to maximum 1-1/2-inch size.
  - 2. Crush concrete and screen to comply with requirements in Division 31 Section "Earthwork" for use as satisfactory soil for fill or sub base.
- C. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.
  - 1. Clean and stack undamaged, whole masonry units on wood pallets.
- D. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.
- E. Metals: Separate metals by type.
  - 1. Structural Steel: Stack members according to size, type of member, and length.
  - 2. Remove and dispose of bolts, nuts, washers, and other rough hardware.

- F. Asphalt Shingles: Separate organic and glass fiber asphalt shingles and felts. Remove and dispose of nails, staples and accessories.
- G. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.
- H. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in dry location.
- I. Metal Suspension System: Separate metal members, including trim and other metals, from acoustical panels and tile and sort with other metals.
- J. Carpet and Pad: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.
- K. Equipment: Drain tanks, piping, and fixtures. Seal openings with caps or plugs. Protect equipment from exposure to weather.
- L. Plumbing Fixtures: Separate by type and size.
- M. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.
- N. Lighting Fixtures: Separate lamps by type and protect from breakage.
- O. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panelboards, circuit breakers, and other devices by type.
- P. Conduit: Reduce conduit to straight lengths and store by type and size.

### 3.05 RECYCLING CONSTRUCTION WASTE

- A. Packaging
  - 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
  - 2. Polystyrene Packaging: Separate and bag materials.
  - 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
  - 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- B. Site-Clearing Wastes: Chip brush, branches, and trees at landfill facility.
  - 1. Comply with requirements in Division 32 Section "Plants" for use of chipped organic waste as organic mulch.
- C. Wood Materials:
  - 1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
  - 2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
    - a. Comply with requirements in Division 32 Section "Plants." for use of clean sawdust as organic mulch.

- D. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.
  - 1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

3.06 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
  - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Disposal: Remove waste materials from Owner's property and legally dispose of them.

**END OF SECTION**

SECTION 02 41 13  
SELECTIVE SITE DEMOLITION

PART 1 GENERAL

1.01 DESCRIPTION

- A. This section includes the following:
  - 1. Services and equipment required for dismantling, wrecking, and razing of existing construction required to make way for new construction and other work of this Contract.
  - 2. Obtain and pay for all permits and fees required.
  - 3. Demolition includes but is not necessarily limited to:
    - a. Site structures, curbs, sidewalks, and pavement as shown.
    - b. Site utilities as shown.
    - c. Other miscellaneous items as indicated on Drawings.
    - d. Patch and repair unfinished and/or damaged surfaces.

1.02 RELATED SECTIONS

- A. Work under this section is subject to the requirements of the Contract Documents including General Conditions, Supplementary Conditions, Drawings, and Sections under Division 01 General Requirements.
- B. Section 02 41 19 - Cutting and Patching
- C. Plumbing, HVAC and Electrical Demolition: Divisions 20, 21, 22, 23, and 26 as applicable.
- D. Section 31 00 00 - Earthwork

1.03 REFERENCE STANDARDS

- A. City of Columbus; Construction and Materials Specifications (CMSC).
  - 1. The Terms "Engineer," "Director," "City," and other similar terms shall be interpreted as the Owner.
  - 2. In the event of any conflicts between CMSC and the Contract Documents, the most stringent shall apply
  - 3. Local municipality having jurisdiction.

1.04 SUBMITTALS

- A. Provide submittals in accordance with the General and Special Conditions and the Contract document and Division 1 Specifications.
- B. Any shoring or underpinning required shall be designed by a structural engineer licensed in Ohio. Submit sealed plans for review.
- C. Approval from OEPA and local authority that Hazardous materials have been removed and project is cleared to begin demolition.

#### 1.05 QUALITY ASSURANCE

- A. Code Compliance: Demolition work to be in compliance with all applicable federal, state, and local codes and regulations including procedures, safety, and material disposal.
- B. Hazardous material: Refer to Section 01 11 00 “Summary of Work” for testing and identification of suspected hazardous material and removal or neutralizing.

#### 1.06 SEQUENCING AND SCHEDULING

- A. Schedule operations with Owner; perform work only at agreed times and in accordance with approved requirements.
- B. Coordinate abatement work and provide approvals to the Owner before beginning demolition work. Refer to Paragraph 1.05.B above.
- C. Coordinate utility demolition (removal or abandonment) with the applicable authority having jurisdiction. Coordinate inspections in accordance with the notes within these project documents.
- D. Existing utilities and sewers must remain in service until new utilities and sewers are tested, approved, and activated. Coordinate demolition work to ensure no loss in service.

#### 1.07 BUILDING EQUIPMENT AND FURNISHINGS

- A. The Owner will remove loose items, equipment, and furnishings from the demolition areas that he/she wishes to retain except as listed for salvage in Part 3 herein and/or noted on Drawings.
- B. The Contractor must advise the Owner, in writing, seven (7) days prior to commencing of any demolition operations to provide adequate time for removals.
- C. All items, equipment, fixtures, and furnishings within the demolition area not removed, labeled or otherwise provided for to become property of Contractor.
- D. Contractor to protect all labeled or designated items remaining in the demolition area.

#### 1.08 PROTECT RECORD DOCUMENTS

- A. Accurately record the location of abandoned utilities and any other underground features uncovered but not removed during operations.

## PART 2 PRODUCTS - (NOT APPLICABLE)

## PART 3 EXECUTION

### 3.01 GENERAL

- A. Wrecking: Except for items noted for salvage and/or retention, cut, alter, remove, or temporarily remove and replace existing construction and materials as required for completion of new work shown on Drawings and specified.
- B. Utilities: Where existing public utility equipment, poles, guys, meters, traffic controls, signs, and similar equipment are shown to be removed or interfere with the progress of the work, remove or cause to be removed; or temporarily support to perform the work, coordinate removal or support with proper authorities and pay all costs. All utility lines and services to existing structures to remain intact and in operation; obtain permission to disrupt any utilities or services even temporarily.
  - 1. Remove or abandon sewers below building after replacement by new sewers. Fill excavated areas and compact disturbed areas in accordance with Section 31 00 00, "Earthwork."
- C. Sidewalk and Curbs: Where required for removal, saw cut the full pavement depth along preformed joints at construction, control, or expansion joints and/or score lines. Make saw-cuts in uniform, straight lines defining areas to be removed.
- D. Shoring and Underpinning: Provide temporary shoring and/or underpinning of existing construction as required for protection. Provide design of said shoring or underpinning for review prior to beginning work. Remove only when directed.

### 3.02 PROJECT CONDITIONS

- A. Existing Conditions: Visit site and verify requirements for demolition.

### 3.03 PROTECTION OF PERSONS AND PROPERTY

- A. Barricade open excavations occurring and post with warning lights from dusk to dawn each day and as otherwise required.
- B. Erect construction barriers to prevent public access to the area of the Work. Maintain in place throughout the new construction operations. Erection, maintenance, alterations, and removal of the barriers shall be the responsibility of the Contractor.
- C. Do not close or obstruct streets or sidewalks without the proper permit. Conduct operations with minimum traffic interference.
- D. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earthwork operations.

- E. Protect public and private property adjacent to and on the job site, including vents, utility lines, roadways, sidewalks, light standards, hydrants, and trees not indicated for removal. Repair damage to the property at no cost to the Owner.
- F. Notify local authorities having jurisdiction of existing damage in adjacent streets or improvements such as paving, curbs, gutters, sidewalks and alley surfacing, prior to start of demolition work. If damage to streets and improvements is discovered after work has commenced, and such damage was not reported before start of work, the Contractor will perform and pay for the necessary repairs.
- G. Maintain and preserve utilities traversing premises as long as they are required. Backfill and compact all excavation made for removal of utilities.
- H. Seal or cap all utility lines leading from demolished structures in accordance with regulations of authorities having jurisdiction.
- I. Before starting work related to existing utilities such as electrical, sewer, water, heat, gas and fire lines that will temporarily discontinue or disrupt service to any existing building, notify the utility companies 72 hours in advance and obtain approval in writing before proceeding with this phase of work.
- J. Earthwork:
  - 1. Stability of temporary excavations:
    - a. All excavations shall be in accordance with OSHA requirements.
    - b. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated.
    - c. Maintain sides and slopes of excavations in safe condition until completion of backfilling.
  - 2. Shoring:
    - a. Except as specified elsewhere, provide all shoring required for earthwork or required as a result of earthwork for safety of workers, existing structures, public or adjacent properties.
    - b. Provide materials for shoring and bracing in good serviceable condition.
    - c. Establish requirements for shoring and bracing to comply with local codes and authorities having jurisdiction.
    - d. Maintain shoring and bracing in excavations regardless of time period excavations will be open.
- K. The Engineer has designed a project which will be safe after full completion. The Engineer has no expertise in, and takes no responsibility for, construction means and methods or job site safety during construction, which are exclusively the Contractor's responsibility. Processing and/or approving submittals made by the Contractor which may contain information related to construction methods or safety issues, or participation in meetings where such issues might be discussed, shall not be construed as voluntary assumption by the Engineer of any responsibility for safety procedures.

### 3.04 HAZARDOUS MATERIALS

- A. Contractors are cautioned to check premises for existence of hazardous materials such as asbestos in the form of pipe insulation or plaster.

- B. In the event materials are encountered during the work which may present a health hazard to workers, occupants, or the public, the Contractor shall take the following actions:
  - 1. Take immediate action to limit the exposure or hazardous condition.
  - 2. Cease work in the area until suspected hazardous material can be identified.
  - 3. Notify Owner of condition. Notification shall be made by the most expedient means with subsequent written confirmation.
- C. Coordinate abatement work and provide approvals to the Owner before beginning demolition work. Refer to Paragraph 1.05.B above.

### 3.05 SELECTIVE DEMOLITION

- A. Cutting: In addition to requirements specified in Section 02 41 19, "Cutting and Patching," selective demolition or building alteration work includes the following. Where cut edges of the construction will be exposed in the completed work, finish edges to match the existing and adjacent surfaces to remain.
- B. Concrete Walls: Saw-cut walls with diamond saw. Carefully mark wall for cuts in accurate locations and cut in straight, uniform lines, unless otherwise directed. Saw both sides of wall and break-out remainder.
- C. Masonry Walls: Saw-cut at mortar joints where possible; cut masonry units in straight uniform lines in accurate locations; remove all mortar adhering to edges. Remove masonry units from locations where shown or directed.
  - 1. Remove brick masonry in tooth pattern where exposed to view.
- D. Concrete Slabs: Floor slabs may be drilled for coring. Elsewhere, saw-cut in accurate locations and break-out. Obtain Architect's approval before cutting structural slabs or other structural members.
- E. Patching: In addition to requirements for patching specified in Section 02 41 19, "Cutting and Patching," selective demolition includes the following: Where cutting and/or removal of existing materials or construction results in unfinished and/or damaged surfaces not scheduled for application of new finish materials, patch, fill, or otherwise prepare surfaces and finish to match adjacent undisturbed existing surfaces.
  - 1. All materials, methods, and procedures used in patching to be in accordance with applicable provisions of Specifications governing the various trades.
- F. Utilities and Sewers: Refer to the respective specifications for removal and abandonment and specific utilities and sewers.

END OF SECTION

**SECTION 02 41 16**  
**STRUCTURE DEMOLITION**

**PART 1 GENERAL**

1.01 WORK INCLUDED

A. General

1. Buildings and other surface structures as located within work limits indicated on drawings.
2. Buried structures, piping, foundations and miscellaneous items as indicated on drawings.
3. Site items as indicated on Demolition Drawings and/or as specified herein.
4. Concrete and asphalt paving, sidewalks and curbs.
5. Demolition indicated on the drawings is shown in general to indicate the extent of demolition and is not to be considered as a record drawing of existing conditions. Accordingly, the Contractor shall be responsible for complete demolition of the area indicated including all buried items (to the depths indicated) and items not indicated on the drawings.
  - a. Before demolition and before submission of proposed demolition methods and operations, Contractor shall be responsible to obtain, for reference, all available existing record drawings and to conduct all appropriate field testing to determine the nature of the existing structures to be demolished.
6. Salvage of items indicated or specified. Use non-destructive methods to remove items, materials and systems designated for salvage. Owner reserves the right to add to or delete from list of salvage items at any time during the demolition operations.
7. Salvage materials resulting from demolition operations for recycling. The use of recycling in the construction process is encouraged. Concrete, asphalt, brick and concrete masonry rubble should be taken to recycling facilities. Recycled aggregate materials are encouraged for use as backfill or other functions normally performed by virgin aggregate.
8. Protect existing work to remain in place.
9. Protect the public.
10. Maintain dust protection.
11. Repair or restore to original sound condition all items or portions of structures which are not noted to be demolished but are damaged by Work under this Contract.
12. Clean-up.

B. Complete Structure Demolition: Remove structures complete, including foundations and footings.

C. Fill, compact and grade excavated areas resulting from the demolition of structures, piping and miscellaneous items. See Section 31 30 00, Earthwork for approved fill material and compaction requirements.

D. Mechanical Systems and Equipment

1. All existing mechanical, plumbing, HVAC and fire protection systems and equipment, complete.

2. Piping in tunnels.
  3. Site items including, but not limited to, below grade (buried) piping, valves, manholes, and drainage structures.
  4. Identify insulation and similar type materials before attempting demolition. Comply with requirements of EPA regulations, National Emissions Standards, and OSHA regulations, as well as applicable State and City laws, codes and ordinances.
- E. Electrical Systems and Equipment
1. Building electrical systems and equipment, complete.
  2. Site electrical including, but not limited to, power and duct banks, manholes, handholes, conduit, wire, cable, transformers, substation and general electrical equipment.
  3. Coordinate demolition requirements and operations with local power and telephone utility companies for proper service termination.
- F. Removal of asbestos is a part of this Contract. An asbestos survey was made and a report was prepared for the demolition site by Professional Service Industries, Inc. (PSI). A copy of this report is included in this project manual.
- G. All materials to be salvaged by the Owner will have been done so before demolition work begins. All materials in the buildings indicated to be demolished is the property of the Contractor.
- H. Submit copies of all required permits for waste hauling and disposal to the Architect
- I. Submit receipts from waste disposal sites to the Architect.

## 1.02 RELATED SECTIONS

- A. Construction Waste Management and Recycling: Section 01 74 19.
- B. Selective Site Demolition: Section 02 41 13.

## 1.03 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: An experienced firm that has specialized in demolition work similar in material and extent to that indicated for this Project.
  1. Contractor must have a minimum of 10 years experience and must have successfully completed a minimum of five (5) implosion projects similar in size and scope to this project. This experience requirement applies to all Contractors and subcontractors.
- B. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- C. Standards: Comply with ANSI A10.6 and NFPA 241.
- D. Pre-demolition Conference: Conduct conference at Project site to comply with meeting requirements in Division 01. Review methods and procedures related to building demolition including, but not limited to, the following:

1. Inspect and discuss condition of construction to be demolished.
2. Review structural load limitations of existing structures.
3. Review and finalize building demolition schedule and verify availability of demolition personnel, equipment, and facilities needed to make progress and avoid delays.
4. Review and finalize protection requirements.

1.04 PROJECT CONDITIONS

- A. Condition of Structures: Owner assumes no responsibility for actual condition of structures to be demolished.
1. Conditions existing at time of inspection for bidding purposes will be maintained by Owner insofar as practicable. However, variations within the structure(s) may occur from natural deterioration or by Owner's removal and salvage operations prior to the start of the Demolition work.
  2. It is solely the Contractor's responsibility to determine demolition procedure and sequence and to ensure the safety of the building and its component parts during demolition. This includes the addition of whatever shoring, sheeting, temporary bracing, guys or tie-downs which might be necessary. Such material shall maintain the Contractor's property after completion of the project.
  3. It is solely the Contractor's responsibility to follow all applicable safety codes and regulations during all phases of the work.
- B. Coordination: Demolition sequence, phasing and methods must be approved by Architect prior to start of demolition work. Submit schedule of demolition operations to Owner a minimum of two (2) weeks prior to beginning demolition operations.
- C. Title to Removed Property
1. Except for items indicated for salvage or reuse, all removal items will become the property of the Contractor and be removed from the Site.
  2. On site storage or sale of Contractor owned removed items will not be permitted.
  3. No right, title, property, or interest of any kind whatsoever in or to the land or premises upon which such structures stands is created, assigned, conveyed, granted or transferred to the Contractor, or any other person or persons, except only the license and right of entry to remove such structures in strict accordance with the contract.
- D. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
1. Carefully salvage in a manner to prevent damage and promptly return to Owner.
- E. Traffic: Conduct demolition operations and removal of debris to ensure minimum interference with roads, streets, walks and other adjacent occupied or used facilities.
1. Do not close or obstruct streets, walks or other occupied or used facilities without permission from Owner.

- F. Protection
  - 1. Ensure safe passage of persons around area of demolition. Conduct operations to prevent injury to adjacent buildings, structures, other facilities, and persons.
  - 2. Provide shoring, bracing, or support to prevent movement, settlement or collapse of structures to be demolished and adjacent facilities to remain.
  
- G. Damages: Promptly repair damages caused to adjacent facilities by demolition operations at no cost to Owner. In the event damages are incurred by the Owner, those costs will be charged to the Contractor.
  
- H. Utility Services
  - 1. Locate and identify electrical and mechanical services passing through or located within affected area and serving areas outside the work limits.
  - 2. Existing Utilities to Remain: Maintain in service and protect against damage during demolition operations.
  - 3. Notify corporations, companies, individuals and local authorities owning conduits running to property. Arrange for removal of wires running to and on property. Remove pipes and sewers in accordance with instructions of above Owners.
  - 4. Protect and maintain conduits, drains, sewers, pipes and wires that are to remain on the property.
  - 5. Shut-off Active Utilities
    - a. Where existing utilities are to be permanently abandoned, shut-off and cap or arrange with proper utility company for shut-off.
    - b. Where existing utilities are to be rerouted: Where utilities remaining in service interfere with demolition or future construction, shut-off, disconnect, remove, relocate and reconnect as indicated or as required
  - 6. Shut-down periods
    - a. Arrange timing of shut-down periods of all in-service utilities with the Owner. Do not shut down any utility without prior written approval.
    - b. Keep shut-down period to a minimum or use intermittent period as directed.
    - c. Some shut-down hours may be required after normal working hours. No extra compensation will be made for Work after normal working hours, weekends or holidays.
  
- I. Explosives: Not permitted.
  
- J. Permits, Fees and Inspections: Obtain and pay for all permits required by governing authorities.
  - 1. Inspections will be made at each site at the following stages for the work:
    - a. At completion of structure removals.
    - b. At completion of backfill.
    - c. At completion of site clean-up and grading.
  
- K. Asbestos Abatement
  - 1. Regulations: Comply with OSHA 29 CFR 1926.11, EPA, NIOSH, and applicable ORC Sections (including 3710.10 and 3745.20) for monitoring, safety, removing, transporting and disposing of asbestos. Provide certified compliance of proper EPA waste disposal.

2. Qualifications: Abatement subcontractor must have a minimum 10 years experience in asbestos abatement. Job site personnel must be accredited by the State of Ohio to the asbestos removal classification levels required for work on this project.
3. Permits: Apply for, obtain and pay for all EPA permits.

## **PART 2 PRODUCTS**

### **2.01 MATERIAL AND FILL**

- A. The Contractor shall furnish all materials, tools, equipment, supplies and labor required to perform the work in accordance with the Drawings and Specifications and within the time limits as specified. All work done under this contract shall conform to all current standards, building codes and ordinances. American National Standard for Demolition Operations – Safety Requirements, ANSI A10.6 (latest edition), is included by reference.
- B. All materials, equipment, fixtures and debris become the property of the Contractor and must be removed from the site.
  1. Existing broken masonry and concrete may be used in filling excavations if approved by Geotechnical Engineer as specified in Section 310000. Do not use any other kind of debris as fill material.
  2. Refer to Section 31 30 00 for fill material requirements and compaction requirements.
  3. Use satisfactory soil materials consisting of stone, gravel, and sand, free from debris, trash, frozen materials, roots and other organic matter.

## **PART 3 EXECUTION**

### **3.01 PROTECTION**

- A. Use water sprinkling and other approved methods to limit the amount of dust and dirt rising and scattering in the air to the lowest practical level. Comply with governing regulations pertaining to environmental protection.
  1. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, pollution and electrical shock.
  2. Clean adjacent structures and improvements of dust, dirt and debris caused by demolition operations, as directed by the Architect. Return adjacent areas to conditions existing prior to the start of the work.

### **3.02 PROCEDURES**

- A. General
  1. Proceed with demolition in a systematic manner and coordinate all trades involved.
  2. Break-up and remove concrete slabs-on-grade.
- B. Utilities
  1. Mechanical Contractor: Disconnect or shut-off and cap services to buildings indicated to be removed.

2. Electrical Contractor: Disconnect or shut-off and cap services to buildings indicated to be removed.
- C. Below Grade Structures: Remove below grade construction to the depths specified hereinbefore.
- D. Filling Footing Excavations, Basements and Voids
  1. Prior to placement of fill materials, ensure that areas to be filled are free of standing water, frost, frozen material, trash and debris.
  2. Place fill materials in horizontal layers not exceeding 8" in loose depth. Compact each layer at optimum moisture content of the fill material to a density specified in Section 31 30 00.
  3. After fill placement and compaction, grade surfaces to meet adjacent contours and to provide flow to surface drainage structures.

### 3.03 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Remove from site, debris, rubbish and other materials resulting from demolition operations that is not permitted as fill material as determined by Geotechnical Engineer.
  1. Burning of removed materials from demolished structures will not be permitted on site.
  2. Asbestos: EPA approved disposal site.
- B. Clean Up
  1. Leave areas "rake clean."
  2. Remove barricades as directed.

### 3.04 FIELD QUALITY ASSURANCE/MONITORING PROGRAM

- A. To be performed by Owner's Independent Testing and Inspection Agency
- B. Before commencement of excavation and demolition, take color digital photographs of Project Site and surrounding facilities, including existing items to remain during construction from different vantage points, as necessary to show the condition of the existing facilities prior to the start of work. Surrounding facilities shall include, but not be limited to the Aquatics Center, the E/W six court gymnasium facility, surrounding sidewalks and streets to remain.
- C. Show existing conditions of adjacent construction and site improvements that might be misconstrued as damage caused by the absence of, the installation of, or the performance of temporary excavation support and permanent foundation support systems, Building Mass Demolition procedures, Selective demolition procedures
- D. Submit prior to the beginning of the Work.
- E. Engage a qualified land surveyor or professional engineer to survey adjacent existing buildings, structures and site features. Establish exact elevations at fixed points to act as benchmarks. Clearly identify benchmarks and record existing elevations.

- F. During installation of excavation support systems, permanent foundation support systems, mass demolition and selective demolition regularly resurvey benchmarks, maintain an accurate log of surveyed elevations, and positions for comparison with original positions and elevations.
- G. Promptly notify CM and A/E if changes in elevations or positions occur or if cracks, sags or other damage is evident in adjacent construction.

**END OF SECTION**

# Hazardous Material Items Survey

**United Way of Central Ohio  
350 S Third Street, Columbus, Ohio**

November 4, 2022

Terracon Project No. N6227357



**Prepared for:**  
Moody Nolan Inc.  
Columbus, Ohio

**Prepared by:**  
Terracon Consultants, Inc.  
Cleveland, Ohio

[terracon.com](http://terracon.com)

**Terracon**

Environmental



Facilities



Geotechnical



Materials

November 4, 2022

Moodly Nolan Inc.  
300 Spruce Street, Suite 300  
Columbus, Ohio 43215

Attn: Mr. Jay Boone, Senior Principal  
E: jboone@moodynolan.com

Re: Hazardous Material Items Survey  
United Way of Central Ohio Commercial Building  
360 South 3<sup>rd</sup> Street  
Columbus, Ohio 43215  
Terracon Project No. N6227357

Dear Mr. Boone:

Terracon Consultants, Inc. (Terracon) is pleased to submit this report for the above-referenced site to Moody Nolan Inc. The purpose of this report is to present a summary of findings pertaining to hazardous material items observed in association with United Way of Central Ohio (site) prior to demolition. Hazardous material items should be taken into consideration and addressed for proper removal/handling and disposal/recycling per federal, state, and local regulations prior to demolition.

In addition, please note that an asbestos survey has been conducted by Terracon for this site, and the findings are discussed in a separate report. Asbestos-containing materials (ACM) must also be addressed as part of the demolition project; regulated ACM (RACM) must be removed prior to demolition.

Terracon conducted the field observations at the site for hazardous material items on October 20, 2022 in general accordance with our proposal number PN6227357, dated September 28, 2022. Per our authorized scope of work, Terracon's observations were focused primarily upon readily accessible hazardous material items such as:

- Lamps (universal waste),
- Mercury-containing equipment (universal waste),
- Batteries (universal waste),
- Petroleum products (used oils),
- Polychlorinated biphenyls (PCBs) / Used Oil,
- Refrigerants,
- Electronic wastes,
- Accumulations of chemical containers, and
- Fire extinguishers and fire suppression systems/smoke detectors.

## HAZARDOUS MATERIAL ITEMS OBSERVATION SUMMARY

### 1.0 UNIVERSAL WASTES

Universal wastes (UW) are specific hazardous waste streams that a generator can choose to manage in an alternative manner in place of the more complex hazardous waste requirements. These wastes are generated by numerous businesses, typically in small quantities. The Universal Waste Rules (UWR) under the U.S. EPA are intended to promote recycling as well as proper disposal by easing certain regulatory requirements. A waste must be a hazardous waste before it can be a universal waste. If a hazardous waste stream is not managed as a universal waste, then the waste must be managed as a hazardous waste under the applicable hazardous waste regulations.

The U.S. EPA strongly recommends recycling of all UW. UW items located at the subject sites should be properly addressed for consideration prior to demolition, with handling, transporting, packaging, labeling, and recycling done in accordance with federal and state-equivalent UW rules. All handlers must ensure delivery of their UW to another UW handler or a destination facility that is in compliance with applicable law and regulations. The receiving handler or destination facility must agree to take the UW before shipping.

The federal universal waste regulations are found in [Title 40 of the Code of Federal Regulations \(CFR\) in part 273](#) and apply to five types of universal waste: batteries, pesticides, mercury-containing equipment, lamps, and aerosol cans. Sections 1.1, 1.2, and 1.3, below, provide a summary of UW items readily observed at the site (lamps, batteries, and mercury-containing equipment).

Please note that general accumulations of chemical containers were observed at the site and are discussed later in this report (see Section 5.0, below). If containers of pesticides and aerosol cans are found within the accumulation of various container items, they should be managed as UW.

[40 CFR section 273.9](#) defines an aerosol can as a non-refillable receptacle containing a gas compressed, liquefied, or dissolved under pressure, the sole purpose of which is to expel a liquid, paste, or powder and fitted with a self-closing release device allowing the contents to be ejected by the gas. Aerosol cans frequently contain flammable propellants such as propane or butane which can cause the aerosol can to demonstrate the hazardous characteristic for ignitability and may also be a hazardous waste for other reasons when discarded. Aerosol cans that do not exhibit a hazardous waste characteristic in [40 CFR part 261 subpart C](#) or contain a substance listed as hazardous waste in [40 CFR part 261 subpart D](#) are not hazardous waste and therefore are not universal waste. In addition, aerosol cans that meet the definition of empty in [40 CFR 261.7](#) are also not universal wastes.

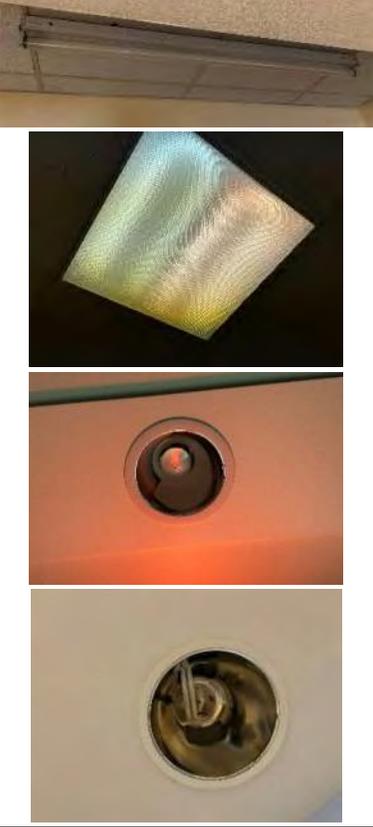
[40 CFR part 273.9](#) defines a pesticide as any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest, or intended for use as a plant regulator, defoliant, or desiccant, with the exception of any that is (a) a new animal drug under FFDCA section 201(w), or (b) an animal drug that has been determined by regulation of the Secretary of Health and Human Services not to be a new animal drug, or (c) an animal feed under FFDCA section 201(x) that bears or contains any substances described by either (a) or (b). The universal waste regulations can be used to manage pesticides that have been recalled if they are either stocks of a suspended and canceled pesticide that are part of a voluntary or mandatory recall under FIFRA Section 19(b) (including, but not limited to those owned by the registrant responsible for conducting the recall) or if they are stocks of a suspended or canceled pesticide, or a pesticide that is not in compliance with FIFRA, that are part of a voluntary recall by the registrant. Universal waste can also be used to manage stocks of other unused pesticide products that are collected and managed as part of a waste pesticide collection program.

## **1.1 UW Lamps**

[40 CFR part 273.9](#) defines a lamp as the bulb or tube portion of an electric lighting device. A lamp is specifically designed to produce radiant energy most often in the ultraviolet, visible, and infra-red regions of the electromagnetic spectrum. Examples of common universal waste electric lamps include, but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, ultraviolet (UV), and metal halide lamps.

Lamps that are not waste because they have not been discarded or that are not hazardous waste are not universal wastes. [See 40 CFR 273.5 for more information about universal waste lamps.](#)

The following table is a general summary of lamps observed to be associated with the subject site. This may not be an all-inclusive list; if additional lamps are discovered, such lamps should also be addressed accordingly. Such items should be taken into consideration prior to demolition for proper reuse (if feasible) or otherwise for proper removal/handling/transporting/disposal/ treatment/recycling per applicable federal, state, and local regulations.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
<p>Lamps various types; assumed to be either fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, UV, or metal halide lamps)</p>	<p>Ceiling light fixtures throughout the building:                      8-foot lamps: ~16                      4-foot lamps: ~857                      U shaped lamps: 104                      High Intensity bulbs: ~43                      Compact bulbs: ~8</p>	
	<p>Throughout building:                      lamps associated with ~22 emergency strobe lights</p>	
	<p>Throughout building:                      lamps associated with ~40 exit lighting devices</p>	

## 1.2 UW Batteries

[40 CFR section 273.9](#) defines a battery as a device consisting of one or more electrically connected electrochemical cells which is designed to receive, store, and deliver electric energy. An electrochemical cell is a system consisting of an anode, cathode, and an electrolyte, plus such connections (electrical and mechanical) as may be needed to allow the cell to deliver or receive electrical energy. The term battery also includes an intact, unbroken battery from which the electrolyte has been removed.

Some batteries meet the above definition but are not universal wastes. These include spent lead-acid batteries that are being managed under the requirements of [40 CFR part 266 subpart G](#); batteries that are not waste because they have not been discarded; and batteries that are not hazardous waste. [See 40 CFR section 273.2 for more information about universal waste batteries.](#)

The following table is a general summary of apparent batteries observed to be associated with the subject site. This may not be an all-inclusive list; if additional batteries are discovered prior to demolition, such batteries should also be addressed accordingly. Such items should be taken into consideration prior to demolition for proper reuse (if feasible) or otherwise for proper removal/handling/transporting/disposal/treatment/recycling per applicable federal, state, and local regulations.

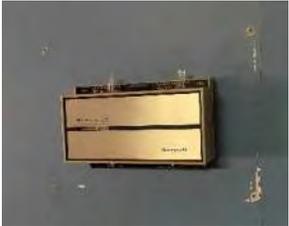
Equipment Description	Approximate Locations & Quantities	Photo Example(s)
Equipment assumed to contain batteries	Throughout building: Backup batteries assumed to be within ~63 emergency light and exit sign devices	

## 1.3 UW Mercury-Containing Equipment

[40 CFR part 273.9](#) defines mercury-containing equipment as a device or part of a device (including thermostats but excluding batteries and lamps) that contains elemental mercury integral to its function.

Some mercury-containing equipment meets the above definition but is not universal waste. These include equipment or devices from which the mercury-containing components have been removed; mercury-containing equipment that is not waste because it has not been discarded; and mercury-containing equipment that is not hazardous waste. [See 40 CFR section 273.4 for more information about universal waste mercury-containing equipment.](#)

The following table is a general summary of apparent (assumed) mercury-containing equipment observed to be associated with the subject site. This may not be an all-inclusive list; if additional batteries are discovered prior to demolition, such batteries should also be addressed accordingly. Such items should be taken into consideration prior to demolition for proper reuse (if feasible) or otherwise for proper removal/handling/transporting/disposal/treatment/recycling per applicable federal, state, and local regulations.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
Equipment assumed to contain mercury	Throughout building: 1 thermostat	

## 2.0 POTENTIAL PCB-CONTAINING EQUIPMENT / USED OIL

The manufacture of PCBs was banned in 1979 by the Toxic Substances Control Act (TSCA), PCB-containing used oil are found frequently, especially in oil drained from electrical equipment (transformers, capacitors, etc.) and old hydraulic systems.

Used oil generators need to consider both the EPA Resource Conservation and Recovery Act (RCRA) requirements of 40 CFR Part 279 and the TSCA requirements of 40 CFR Part 761. The RCRA/TSCA requirements for used oil depend on the concentration of PCBs when the used oil is removed from service. If the used oil contains  $\geq 50$  part per million (ppm) PCBs (or if it contains  $< 50$  ppm PCBs due to dilution of used oil that contained  $\geq 50$  ppm PCBs when removed from service), then the used oil is subject to the TSCA regulations in Part 761 and not to the used oil regulations in Part 279. This section in the regulations implies that all entities (including generators) that manage used oil are going to have to know by testing or knowledge if the used oil contains greater than or less than 50 ppm PCBs. See table below.

### RCRA/TSCA implications of Managing Used Oil Containing PCBs

	PCB concentration		
	$< 2$ ppm	$\geq 2$ and $< 50$ ppm	$\geq 50$ ppm
General RCRA/TSCA applicability to used oil	Subject to <u>Part 279</u> requirements only <sup>1</sup>	Subject to <u>Part 279</u> requirements <sup>1</sup> , also subject to TSCA requirements for marketers and burners when burned for energy recovery <sup>2</sup> .	Regulated for disposal under TSCA <u>Part 761</u> requirements only <sup>3</sup>

## Hazardous Material Items Survey

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Management options	<ul style="list-style-type: none"><li>• Recycle per Part 279</li><li>• Dispose per Parts 260-270 if hazardous</li><li>• Dispose per Parts 257-258 if nonhazardous</li></ul>	<ul style="list-style-type: none"><li>• Recycle per Part 279</li><li>• Market to 1) qualified incinerators<sup>4</sup>, 2) off-specification used oil marketers, or 3) off-specification used oil burners<sup>5</sup></li></ul>	<ul style="list-style-type: none"><li>• Dispose in a TSCA incinerator or high efficiency TSCA boiler per <u>§761.60(a)</u></li><li>• Dispose in a unit with an alternate disposal approval per <u>§761.60(e)</u></li><li>• Decontaminate per <u>§761.79(b)(2)</u></li></ul>
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<sup>1</sup>Section 279.10(i) notes that used oil containing PCBs at a concentration <50 ppm due to dilution of used oil containing PCBs at ≥50 ppm is subject to the requirements of 40 CFR Part 761 instead of the requirements of 40 CFR Part 279.

<sup>2</sup>The TSCA regs note that used oil to be burned for energy recovery is presumed to contain quantifiable levels (≥2 ppm) of PCBs. The used oil marketer or burner will need to determine by testing or "other information" whether the used oil contains ≥2 ppm of PCBs. "Other information" consists of personal knowledge of the source and composition of the used oil, or a certification that the used oil contains <2 ppm PCBs from the person generating the used oil. [§761.20(e)(2)]

<sup>3</sup>TSCA prohibits the burning of any used oil containing ≥50 ppm PCBs for energy recovery. [68 FR 44660] Requirements in this column also apply to used oil at current concentrations <50 ppm if any part of the used oil contained PCBs at a concentration ≥50 ppm when removed from service. See §761.1(b)(5) and Footnote 1 above.

<sup>4</sup>Qualified incinerators include: 1) TSCA incinerators approved under §761.70, 2) high-efficiency TSCA oilers that comply with the criteria at §761.71(a)(1) and for which the operator has provided notice to EPA per §761.71(a)(2), 3) RCRA hazardous waste incinerators, and 4) industrial furnaces and boilers that are identified at §§260.10 and 279.61(a)(1) and (2).

<sup>5</sup>Identified in §279.61(a)(1) and (2).

The potential exists for polychlorinated biphenyls (PCBs)-containing ballasts to be present in fluorescent light fixtures. Per the EPA, if ballasts are not marked "No PCB", they must be treated as containing PCBs. Ballasts that are labeled non-PCBs or contain no PCBs often still have the presence of di (2-ethylhexyl) phthalate (DEHP), a clear, odorless liquid that replaced PCBs in ballasts manufactured after 1978. Ballasts containing DEHP also pose health and environmental concerns and should be recycled. PCB-containing ballasts become a concern if they are leaking or they will be removed and disposed of as hazardous waste. According to EPA TSCA regulations, the material must be incinerated. The entire lighting fixture does not need special handling and disposal as long as the ballast is not leaking. The non-leaking ballasts can be removed and recycled properly.

The following table is a general summary of apparent items at the site which may have potential PCBs / used oils. This may not be an all-inclusive list; if additional potential PCB items and items containing oil are discovered, such items should also be addressed accordingly. Such items should be taken into consideration prior to demolition for proper removal/handling/transporting /disposal/treatment/recycling per applicable federal, state, and local regulations.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
Fluorescent light ballasts	Throughout building: ~654 associated with fluorescent light fixtures	 <p>Stock photo (not from the site)</p>
Elevator hydraulic fluid	Basement: 2 reservoir tanks (estimated 100 gallons)	

### 3.0 REFRIGERANTS

Under Section 608 of the Clean Air Act (CAA), U.S. EPA has established regulations (40 CFR Part 82, Subpart F) that:

- Require service practices that maximize recovery and recycling of ozone-depleting substances (both chlorofluorocarbons [CFCs] and hydrochlorofluorocarbons [HCFCs] and their blends) during the servicing and disposal of air-conditioning and refrigeration equipment.
- Set certification requirements for refrigerant recycling and recovery equipment, technicians, and refrigerant reclaimers.
- Restrict the sale of refrigerant to certified technicians.

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- Require persons servicing or disposing of air-conditioning and refrigeration equipment to certify to EPA that they have acquired refrigerant recovery and/or recycling equipment and are complying with the requirements of the rule.
- Require the repair of substantial leaks in air-conditioning and refrigeration equipment with a refrigerant charge greater than 50 pounds.
- Establish safe disposal requirements to ensure removal of refrigerants from goods that enter the waste stream with the charge intact.

The following table is a summary of readily observed equipment associated with the subject site which appear likely to have associated refrigerants. This may not be an all-inclusive list; if additional refrigerant items are discovered prior to demolition, such items should also be addressed accordingly. Units should be considered for reuse or otherwise refrigerants should be properly removed by an EPA-accredited technician prior to demolition. The EPA requires that persons servicing, disposing, or recycling air-conditioning and refrigeration equipment be certified and comply with regulations of the CAA.

Equipment Description	Approximate locations & quantities	Photo Example(s)
Refrigeration and freezer units	~8 refrigerator/freezer units throughout the building (standard and miniature units) ~3 refrigerated vending machines in kitchen and/or employee break rooms/lounges on floor 1-3	  

<p>Drinking water fountains</p>	<p>Throughout building: ~6 fountains and bottle filling stations</p>	 
<p>Air Conditioning equipment</p>	<p>Portable units and window installed: ~3 units</p>	  

<p>Pad-mounted condensor</p>	<p>Exterior ground level: 1 unit</p>	
<p>HVAC package units</p>	<p>~13 roof top units</p>	

#### 4.0 ELECTRONIC WASTES

Electronic wastes or "e wastes" is a term used to describe old, end-of-life electronic appliances and devices. Examples of "e waste" include:

- Computers;
- Monitors;
- Fax machines and copiers;
- Television sets;
- Stereo/audio equipment;
- Phones (including cell phones);
- Personal digital assistants (PDAs);
- Game consoles; and
- Electronics from industrial sources

Computer monitors and older TV picture tubes, for example, contain an average of four pounds of lead. In addition to lead, electronics can contain chromium, cadmium, mercury, beryllium, nickel, zinc, and brominated flame retardants. When electronics are not disposed of or recycled properly, these toxic materials can present problems to the environment.

If computers and monitors are disposed instead of having them recycled, the owner could be considered a generator of hazardous waste under the Resource Conservation and Recovery Act (RCRA). RCRA requires generators to determine whether or not the waste they generate is hazardous by using generator knowledge or by testing representative samples of that waste. Computer components could be considered hazardous because of heavy metals such as lead, cadmium or chromium. If the used electronics are not tested to prove them non-hazardous, they must be assumed as hazardous waste and disposed at a permitted

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hazardous waste facility or recycle them. Extending the life of electronics or donating the most up-to-date and working electronics can save an owner money and saves valuable resources. Safely recycling outdated electronics can promote the safe management of hazardous components and supports the recovery and reuse of valuable materials.

Ohio EPA encourages businesses to recycle or donate old electronic equipment. Many schools, nonprofit and charitable organizations accept working electronic goods. If equipment cannot be reused, another good option is sending equipment to a reputable recycler. A recycler will disassemble equipment and recover useable components such as memory boards, disk drives, video cards and microprocessor chips. Plastic and glass components may be recycled into new products. Metals can be separated and sent to smelters where they are melted and used to make new products.

The following table is a summary of readily observed electronic items at the site. Electronic items, which may become wastes, should be addressed for proper re-use or recycling prior to demolition of the subject site.

Equipment Description	Approximate locations & quantities	Photo Example(s)
Computers	Throughout building: ~70 units	
Televisions and Monitors	Throughout building: ~40 units	 

<p>Overhead projectors and network routers</p>	<p>Throughout building:                  Projectors: ~3                  Routers: ~8</p>	 
<p>Security cameras</p>	<p>Inside and outside of building:                  ~4 units</p>	 
<p>Fax machines and copiers</p>	<p>Throughout building: ~22 units</p>	

		
Appliances	Dishwasher, electric stove, microwaves (5) – 3 <sup>rd</sup> floor kitchen, 2 <sup>nd</sup> floor kitchen, and basement	
Speakers	Throughout building: ~23 units located in ceilings	

## 5.0 Accumulation and Chemical Containers

Collection and proper disposal of stored chemical container items should be included in activities to be completed prior to commencement of demolition of the site building. It is recommended to first collect and re-use these items. Otherwise, if they intend to be discarded (no longer useful), they could become hazardous waste and the owner’s responsibility to comply with applicable federal, state, and local hazardous waste regulations. A waste can be hazardous if it possesses any one of four hazardous waste characteristics, which include: ignitability, corrosivity, reactivity, and toxicity.

The following table is a general summary of chemical container items and storage cabinets which were observed to be associated with the subject site. This may not be an all-inclusive list; if additional items are discovered prior to demolition, such materials should also be addressed accordingly.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
<p>Various containers of cleaners, solvents, etc.</p>	<p>Contents of employee break areas on 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> floors, garage area and receiving area on 1<sup>st</sup> floor (due to the significant accumulation, and the variability of items, quantities were not taken.)</p>	

## 6.0 FIRE EXTINGUISHERS AND FIRE SUPPRESSION SYSTEMS/SMOKE DETECTORS

### 6.1 Fire Extinguishers and Fire Suppression Systems

Collection and proper disposal of fire extinguishers and reclamation/decommissioning of fire suppression systems should be included in activities to be completed prior to commencement of demolition of the site building. Metal fire extinguishers can be recycled if manufactured after 1985; however, extinguishers made of plastic are not recyclable and should be disposed accordingly. Fire extinguishers consist of a hand-held cylindrical pressure-vessel, usually made of steel or aluminum, and an agent which can be discharged to extinguish a fire. There are two main types of fire extinguishers: stored pressure and cartridge-operated. Stored pressure fire extinguishers are the most common and typically contain a dry chemical as the agent. The dry chemical is typically mono ammonium sulfate, sodium bicarbonate or potassium bicarbonate; all of which are considered non-toxic. Very old fire extinguishers (pre-1960's) may contain carbon tetrachloride, a known carcinogen. Should any pre-1960's fire extinguishers that contain carbon tetrachloride be discovered at the subject property, the Owner should be contacted and notified, and unit shall be segregated. Businesses with commercial fire extinguishers should contact a specialized company for disposal options. For a list of companies in Cuyahoga County that properly dispose of fire extinguishers, including reclamation/decommissioning of commercial suppression systems, please visit: <https://cuyahogarecycles.org/BusinessDirectory.aspx?RecyclableID=39>.

The following table is a general summary of extinguishers and suppression systems which were observed to be associated with the subject site. This may not be an all-inclusive list; if additional extinguishers or suppression systems are discovered prior to demolition, such materials should also be addressed accordingly.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
Fire extinguishers	Throughout building: ~16 units	

## 6.2 Smoke Detectors

There are two main types of smoke alarms – ionization and photoelectric. When it comes to disposal, old photoelectric detectors can typically be safely put in the trash, so long as you remove the battery first. Ionization smoke detectors on the other hand use a small amount of Americium 241, a radioactive isotope. Alpha particles from the americium source ionize air molecules and this makes some particles positively charged and some negatively charges. Two charged plates inside of the ionization smoke detector create a flow of positively and negatively charged ions. The smoke alarm triggers when smoke breaks the constant flow of ions. Alpha particles are very heavy and cannot travel very far. Ionization smoke detectors have a small americium source encased in a layer of foil and ceramic, which stops the alpha particles from traveling outside of the smoke detector. Because of this shielding, the smoke detector poses no radiation health risk when they are properly handled. While EPA does not have specific disposal requirements for smoke detectors, the units should be removed prior to demolition and separated from the general C&D waste streams and taken off site for proper disposal/recycling. Smoke ionization detector can often be returned to the manufacturer for proper disposal.

Manufacturers of smoke detectors are mandated by the Nuclear Regulatory law 10 CFR 32.27 to see that the radioactive waste is disposed at a nuclear waste disposal facility. When sending back a smoke detector, do not take it apart. Return the entire smoke detector by ground mail (not air mail). Before shipping, remove the batteries for proper recycling. Other private companies offer disposal services for a fee, such as Curie Environmental Services, LLC (Curie) of Albuquerque, New Mexico.

The following table is a general summary of smoke detectors which were observed to be associated with the subject site. Terracon did not disassemble equipment to determine if detectors were ionization detectors; therefore, the detectors are assumed to be ionization-type detectors. A model number with an “I” or any mention of Americium-241 on the alarm’s label, it is an ionization alarm; a “P” on the alarm it is a photoelectric alarm. This may not be an all-inclusive list; if additional smoke detectors are discovered prior to demolition, such smoke detectors should also be addressed accordingly.

Equipment Description	Approximate Locations & Quantities	Photo Example(s)
Smoke detectors (Assumed to be hardwired with no batteries and the ionization type; if batteries are present, these should be handled as discussed with UW batteries.)	Throughout: ~31 units	

## 7.0 CONCLUSIONS

Proper and careful consideration should be taken to address the above-discussed items as part of the planning process prior to demolition of the subject site building. Under federal and state laws, the owner of hazardous materials/wastes are ultimately responsible for them. If feasible/practical for items that are still useful, have not met their service life, such items should be carefully collected for re-use as the first option rather than being discarded. Hazardous material items that are no longer useful, have met their service life, could become hazardous wastes and subject to applicable federal, state, and local hazardous waste regulations which require proper handling/storing/transporting/recycling/treatment/disposal. Hazardous waste that is improperly managed poses a serious threat to human health and the environment. The Resource Conservation and Recovery Act (RCRA), passed in 1976, was established to set up a framework for the proper management of hazardous waste. Under RCRA, hazardous waste generators are the first link in the hazardous waste management system. All generators must determine if their waste is hazardous and must oversee the ultimate fate of the waste. Furthermore, generators must ensure and fully document that the hazardous waste that they produce is properly identified, managed, and treated prior to recycling or disposal. The degree of regulation that applies to each generator depends on the amount of waste that a generator produces. To the extent possible, EPA tried to develop hazardous waste regulations that balance the conservation of resources, while ensuring the protection of human health and environment. Many hazardous wastes can be recycled safely and effectively, while other wastes will be treated and disposed of in landfills or incinerators.

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Terracon appreciates the opportunity to provide these services to Moody Nolan, Inc. If you have any questions regarding this report, please contact Ms. Catherine Baney at (216) 459-8378.

Sincerely,

**Terracon Consultants, Inc.**

Karl Jennerjahn  
Assistant Scientist

Catherine Baney  
Department Manager-Asbestos and IH

# Asbestos Abatement and Hazardous Material Removal Specification Document

United Way of Central Ohio - Demolition Project  
360 South 3<sup>rd</sup> Street  
Columbus, Franklin County, Ohio

November 12, 2024



**Prepared for:**  
Moody Nolan, Inc.  
Columbus, Ohio

**Prepared by:**  
Terracon Consultants, Inc.  
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OEPA Asbestos Abatement Project Designer #60780

Terracon Project No. N6227357

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# Terracon

Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

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# Asbestos Removal Technical Specifications

## Chapter 1 General

### 1.1 Summary of Work:

- 1.1.1 **This technical specification, all project-related drawings, the bid documents, and all other contract documentation, apply to the Work. The contract documents between owner and contractor show the work of the contract, related requirements, and conditions impacting the project. Related requirements and conditions include all applicable federal, state, and local codes and regulations, required notices and permits, restrictions on use of the site, requirements for partial owner occupancy during work, coordination of work with other contractors, and phasing of the work. Whenever there is a conflict or overlap of the above documentation with federal, state, and local regulations, the most stringent provisions apply. Prepared by Ryan Malott, Ohio Environmental Protection Agency Hazard Abatement Project Designer #60780.**
- 1.1.2 The abatement contractor shall furnish all tools, equipment, labor and materials for the proper removal and disposal of asbestos containing materials in accordance with all applicable asbestos regulations including but not limited to the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61, Subpart M, and any and all other asbestos regulations, statutes, rules, etc. by any governing authority.

The technical specification pertains to the United Way of Central Ohio demolition project and the site is further detailed as the following addresses:

- 360 South 3<sup>rd</sup> Street, Franklin County, Ohio 43215
  - o Parcel ID 010-006471-00, 33,847 square feet, three-story building with partial basement constructed in 1969, with renovation in 1976.

The abatement contractor shall include documentation that proves they are an Ohio Licensed Asbestos Abatement Contractor. The abatement contractor shall ensure that all personnel who perform work on this project will have appropriate Ohio asbestos certifications, Ohio asbestos licenses, medical clearances, and respiratory training.

The abatement contractor shall furnish their own supplemental electrical power and water as needed to complete their work. Asbestos-containing materials identified below shall be removed to facilitate demolition of the building. Asbestos removal is detailed in Chapter 10 of this document.

Base bid work includes removal and disposal of the following asbestos containing materials (ACM):

1. Removal and disposal of all identified ACM from the building throughout as well identified ACM located on the exterior of the building.
2. Removal and disposal of all ACM black window glazing/gasket where it exists on the interior of windows located in the 3<sup>rd</sup> floor south corridors of the building.
3. Removal and disposal of all ACM dark brown window caulk where it exists on the interior of windows (where frame meets walls, ceilings, and floors) in the west stairwell of the building.
4. Removal and disposal of all ACM yellow/black flooring mastic where it exists under non-asbestos blue stair tread and 24"x24" blue textured floor tile in the east stairwell including the stairs and landings on 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> floors of the building.
5. Removal and disposal of all ACM yellow/black flooring mastic where it exists under carpeting in the east stairwell of the basement of the building.

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6. Removal and disposal of all ACM residual black floor mastic where it exists on the 2<sup>nd</sup> floor areas:
  - a. Cube area 288 and 289 mastic beneath non-asbestos carpet (with green mastic) and lightweight leveling compound.
  - b. Restrooms 292 and 293 mastics beneath non-asbestos 12"x12" floor tile (with yellow mastic) and lightweight leveling compound.
7. Removal and disposal of all ACM black painted-on waterproofing material where it exists in the basement of the building on the north and east interior walls.
8. Removal and disposal of all ACM fire-rated doors and ACM elevator doors.
9. Removal and disposal of all ACM transite™ contact switches associated with electrical panels.
10. Any non-asbestos demolition waste debris generated during the project may be left on-site inside the building as long as safe access for others is maintained throughout the building. At no point shall Contractor leave, stage, or place any non-asbestos demolition waste outside of the building unless stored in waste containers. The Contractor shall move any furnishings remaining in each work area to complete their work. Contractor shall perform demolition work (e.g., carpeting, casework, non-ACM walls, non-ACM ceilings, non-ACM floors, and chases) as necessary to access and remove all designated ACM, including all hidden ACM located inside walls, above ceilings, between floors, in chases and in crawlspaces. Contractor shall perform exploratory demolition as part of Base Bid work to the extent necessary to access and address all unexposed ACM.
11. Contractor shall remove all carpeting (as asbestos containing) that is directly adhered to ACM mastic or that may be contaminated by other abatement activities. Also, in areas where floor tile has been identified as ACM and the floor tile is pulled up with the carpeting, the carpeting shall be handled and disposed of as ACM waste. Contractor shall perform all demolition work necessary to access and remove all ACM flooring and mastic as part of the Base Bid work. All non-ACM flooring attached with ACM mastic is considered an asbestos- contaminated material and shall be quantified as part of the ACM quantity for removal.
12. Contractor shall be prepared to perform demolition as necessary to inspect exterior metal panels under windows on the north, east, south, and west elevations of the building under labor and equipment associated with base bid. Contractor shall be prepared to inspect two (2) panels on each exterior elevation of the building for a total of 8 panels as part of the base bid. Should asbestos be revealed associated with the panels, unit prices will be applied to calculate an order of change to the contractor.
13. Contractor shall be prepared to excavate to a depth of six (6) feet in four (4) exterior locations; one on each exterior elevation to investigate for potential asbestos-containing waterproofing on the foundation walls. Should asbestos be revealed to be present, unit prices will be applied to calculate and order of change to the contractor. For bidding purposes, each contractor shall assume 1 cubic yard of concrete is equivalent to 4,050 pounds.
14. Contractor shall provide general labor unit pricing as requested on bidding sheets.
15. Securing the work site to prevent access by unauthorized personnel or the general public.
16. Removal of all ACM as detailed here within in accordance with all applicable State, Federal and Local regulations.
17. The abatement contractor shall secure all ACM waste from the site daily, in an appropriately labeled closed dumpster. All asbestos waste shall be disposed of in an approved landfill. The transport of the containerized hazardous materials shall be coordinated with Contractor and Owner for execution of bill of lading. Appropriate signed waste disposal records shall be

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maintained and provided to Terracon within 15 days of the completion of the work. At minimum scale tickets and waste disposal manifests are required as well as inventory and bill of lading for universal wastes and hazardous materials.

18. Notify Terracon two business days prior to ACM removal completion at the work site specific areas regulated and contained to enable scheduling of a post-abatement inspection to verify that all identified ACM is removed properly.
19. Terracon has provided quantity estimates for all materials to be removed. The contractors may use these numbers or develop their own estimates. Regardless, each abatement contractor is responsible for developing their estimates for material quantity and associated cost estimates to remove all indicated material. There will be no change orders for differences in material quantities in the base bid. The abatement contractors will be given adequate time at the site for the purpose of developing their bids.
20. Terracon has spent considerable time determining the location of the ACM that exists in each room in the building and has provided a design drawing for this purpose. It is the responsibility of the contractor to determine the exact quantity and location of materials for the purpose of developing their bids. Terracon does not guarantee the complete accuracy of the drawings.

Option work Alternate tasks requested:

At this time no alternate work is anticipated for this project.

The building is slated for demolition. Therefore, the abatement contractor can use any approved work practices to remove the identified ACM, as long as the work practices used are approved by regulatory authorities. Since the building is scheduled to be demolished, air clearances of abated areas (friable only) may be anticipated at this time. Final visual inspection to verify that all identified ACM is removed applies.

Refer to **Attachment A** (Table 1) for the estimated asbestos abatement quantities and locations.

Drawings showing the approximate asbestos abatement areas can be found in **Attachment B** (Exhibits 1 through 4).

A copy of the following asbestos survey reports are presented as **Attachment C**.

- Asbestos Inspection Report – United Way of Central Ohio – 360 South 3<sup>rd</sup> Street, Franklin County, Ohio prepared by Terracon Consultants, Inc. prepared for Mood Nolan, Inc. (Mr. Jay Boone), Columbus, Ohio, dated January 13, 2023, by Mr. Wade Mangus, CAHES #35877.
- Addendum Report - United Way of Central Ohio – 360 South 3<sup>rd</sup> Street, Franklin County, Ohio prepared by Terracon Consultants, Inc. prepared for Mood Nolan, Inc., Columbus, Ohio, dated November 6, 2024.

1.1.3 Work summarized briefly as follows:

- 1.1.3.1 Pre-abatement activities includes but many are not limited to pre-abatement meetings, inspections, notifications, permits, submittal approvals, preparations, emergency arrangements and standard operating procedures.
- 1.1.3.2 Abatement activities include but may not be limited to removal and disposal of ACM and/or PACM, asbestos contaminated waste, record keeping, security, and inspection and monitoring.
- 1.1.3.3 Cleaning and decontaminating activities includes but may not be limited to final inspection and air testing, and certification of work completion and decontamination.

1.2 Owner's Responsibility:

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1.2.1 The owner will be responsible for providing the following notifications to other building occupants concerning the work to be completed under these specifications:

1.2.1.1 Any prospective employer applying for or bidding for work whose employees reasonably can be expected to work in or adjacent to asbestos removal work areas.

1.2.1.2 Employees of the owner who will work in or adjacent to the asbestos removal work areas.

1.2.1.3 On multi-employer work sites, all employers who will be performing work within or adjacent to the asbestos removal work areas.

1.2.1.4 Tenants who are occupying the space adjacent to the asbestos removal work areas.

1.2.2 Any other specific owner's responsibilities will be included in owner's agreement with contractor and/or the scope of work for the project covered by these specifications.

### 1.3 Contractor's Responsibility:

1.3.1 The contractor will be responsible for the following:

1.3.1.1 To comply with all federal, state and local regulations including but not limited to OSHA 1910.1001 and OSHA 1926.1101.

1.3.1.2 Remove and dispose of all asbestos-containing materials, asbestos-containing waste and proper generation and distribution of waste shipment records and waste disposal manifest(s).

1.3.1.3 Ensure that all persons engaged in the asbestos removal project hold valid asbestos worker certificates.

1.3.1.4 Comply with all local, state and federal notifications.

1.3.1.5 Maintain all project records for as many years as required by local, state and/or federal regulatory requirements.

1.3.1.6 Provide any build-back re-insulation if required.

1.3.1.7 Perform personnel monitoring as required by OSHA.

### 1.4 Definitions:

ACE: Asbestos-Contaminated Element

ACM: Asbestos-Containing Material

ACS: Asbestos-Contaminated Soil

ACWM: Asbestos-Contaminated Waste Material

AWDF: Asbestos Waste Decontamination Facility

Aerosol: A system consisting of particles, solid or liquid, suspended in air.

Aggressive Sampling: EPA defined clearance sampling method using air moving equipment such as fans and leaf blowers to stir the air.

Aggressive Method: Means removal or disturbance of a building material by sanding, abrading, grinding, or other method that breaks, crumbles, or disintegrates intact ACM and/or PACM.

Air Cell: Pre-formed, factory-made insulation normally used on pipes and ductwork. This corrugated cardboard almost always contains asbestos fibers combined with cellulose or refractory binder.

Air Sample Collection Filter: A membrane filter used to collect fibers/particulates which when processed is analyzed to determine fiber counts. The membrane is usually made of mixed cellulose material for Phase Contrast Microscopy (PCM), and polycarbonate or mixed cellulose for Transmission Electron Microscopy (TEM.)

**Air Monitoring:** The process of measuring the fiber content of a specific volume of air.

**Amended Water:** Water to which a surfactant has been added.

**Asbestos:** Asbestos is any one of a group of six similar minerals including chrysotile, crocidolite, amosite, actinolite, anthophyllite and tremolite.

**Asbestos-Contaminated Element (ACE):** Building elements such as ceilings, walls, lights and ductwork that are contaminated with asbestos.

**Asbestos-Containing Material (ACM):** Any material containing one percent (1%) or more by volume of asbestos of any type or mixture of types. This is a federal standard. Stricter State standards may apply.

**Asbestos-Containing Waste Material (ACWM):** Any material which is known to be, suspected of, or contaminated with asbestos which is to be removed from a work area for disposal.

**Asbestos Waste Decontamination Facility (AWDF):** Airlock system consisting of drum/bag washing facility and temporary storage area for cleaned containers. Used as exit for waste and equipment leaving the abatement area. May be used in an emergency to evacuate personnel.

**Authorized Person:** Means any person authorized by the employer and required by work duties to be present in a regulated area.

**Authorized Visitor:** The owner or a representative of any federal, state and local regulatory or other agency having authority over the project.

**Barrier:** Any material that seals off the work area to inhibit the movement of fibers.

**Breathing Zone:** A hemisphere forward of the shoulders with a radius of approximately 6 to 9 inches.

**Bridging Encapsulant:** An encapsulant that forms a discrete layer on the surface of an in-place asbestos matrix.

**Bulk Test:** The collection and analysis of samples of suspected asbestos materials. A small amount, or bulk, of the material is physically removed from the structure and placed in a rigid airtight container for transportation to an accredited laboratory for analysis.

**Category I Non-friable:** (NESHAP definition) Category I non-friable ACM includes asbestos-containing gaskets, packings, resilient floor coverings, resilient floor covering mastic, and asphalt roofing products. Asbestos roofing products include built-up roofing, asphalt-containing single ply membrane systems, asphalt shingles, asphalt-containing underlayment felts, asphalt-containing roof coatings and mastics, and asphalt-containing base flashing. ACM roofing products that use other bituminous or resinous binders (such as tars or pitches) are also considered to be Category I ACM.

**Category II Non-friable:** (NESHAP definition) Category II are all other non-friable ACM, excluding Category I non-friable ACM.

**Ceiling Concentration:** The concentration of an airborne substance that shall not be exceeded.

**Certified Industrial Hygienist (CIH):** An industrial hygienist certified in comprehensive practice by the American Board of Industrial Hygiene.

**Changing Area:** Normally the first chamber of the Personnel Decontamination Facility, i.e., "clean room."

**Class I Asbestos Work (OSHA):** This means activities involving the removal of TSI and surfacing ACM and PACM.

**Class II Asbestos Work (OSHA):** This means activities involving the removal of ACM and/or PACM which is not thermal system insulation or surfacing material. This includes, but is not limited to, the removal of asbestos-containing wallboard, floor tile, floor tile mastic, and asbestos cement product.

**Class III Asbestos Work (OSHA):** This means repair and maintenance operations, where ACM and/or PACM, including thermal system insulation and surfacing material, are likely to be disturbed.

**Class IV Asbestos Work (OSHA):** This means maintenance and custodial activities during which employees contact ACM and/or PACM and activities to clean up waste and debris containing ACM and/or PACM.

**Clean Room:** This means an uncontaminated room having facilities for the storage of employees' street clothing and uncontaminated materials and equipment.

**Closely Resemble:** This means that workplace conditions which have contributed to the levels of historic asbestos exposure and are no more protective than conditions of the current workplace.

**Competent Person:** This means a person properly trained and who is capable of identifying existing asbestos hazards in the workplace and selecting an appropriate control strategy for asbestos exposure and has the authority to take corrective measures to eliminate them, under requirements of 29 CFR 1926.1101

**Count:** Refers to "fiber count," or the average number of fibers greater than five micrometers in length per cubic centimeter of air.

**Critical Barrier:** This means one or more layers of plastic sealed over all openings into a work area or any other similarly placed physical barrier sufficient to prevent airborne asbestos in a work area from migrating to an adjacent area.

**C.P.I.H.:** Asbestos abatement contractor's professional industrial hygienist. Also known as "Competent Person."

**Decontamination Area:** This means an enclosed area adjacent and connected to the regulated area consisting of an equipment room, shower area, and clean room, which is used for the decontamination of workers, waste materials, and equipment that are contaminated with asbestos.

**Demolition:** The wrecking or taking out of any load-supporting building structural component and any related razing, removing, or stripping of asbestos products.

**Disposal Bag:** Six (6) millimeter thick leak-tight plastic bag used for transporting asbestos-containing waste material from work and to disposal site. Each is labeled as follows:

**Disturbance:** This means any contact which releases fibers from ACM and/or PACM, or debris containing ACM and/or PACM.

**Drum:** A rigid, impermeable container made of cardboard, metal or plastic which can be sealed in an air and liquid tight manner.

**EDF:** Equipment Decontamination Facilities

**Employee Exposure:** This means that exposure to airborne asbestos that would occur if the employee were not using respiratory protection.

**Encapsulant:** A material that surrounds or embeds asbestos fibers in an adhesive matrix, to prevent release of fibers.

**Encapsulation:** Treatment of asbestos-containing materials with encapsulant.

**Enclosure:** The construction of an air-tight, impermeable, permanent barrier around asbestos-containing materials to control the release of asbestos fibers into the air.

**Entrance Port:** A name sometimes used for the main entrance airlock in an OSHA defined negative air containment area.

**Equipment Room:** This means a contaminated room located within the decontamination area that is supplied with impermeable bags or containers for the disposal of contaminated protective clothing and equipment.

## Asbestos Removal Technical Specification

Document Date: 11/12/24

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f/cc: Abbreviation for fibers per cubic centimeter of air, a standard measurement unit used to measure the level of fiber concentration in the air.

Filter: A media component used in respirators to remove solid or liquid particles from the air breathed.

Friable Asbestos Containing Material: Material that contains more than one percent (1%) asbestos by weight that can be crumbled, pulverized, or reduced to powder by hand pressure.

Glove bag: This means an impervious plastic bag-like enclosure with glove-like appendages through which material and tools may be handled.

HEPA Filter: A high efficiency particulate air (HEPA) filter capable of trapping and retaining 99.97% of asbestos fibers greater than 0.3 microns in length.

HEPA Filter Vacuum Collection Equipment: HEPA filtered vacuum collection equipment with a filter system capable of collecting and retaining 99.97% of asbestos fibers greater than 0.3 microns in length.

High-Efficiency Filter: A filter which removes from air 99.97% or more of monodisperse dioctyl phthalate (DOP) particles having a mean particle diameter of 0.3 micrometers.

Industrial Hygienist (I.H.): A person who is professionally qualified by education, training, and experience to anticipate, recognize, evaluate and develop controls for occupational health hazards.

I.H. Technician: A person working under the supervisions of the I.H. with special training, experience, certifications and licenses required for the industrial hygiene work assigned to be performed.

Intact: This means that ACM and/or PACM has not crumbled, been pulverized, or otherwise deteriorated so that it is likely to remain bound with its matrix.

Lock-Back: Encapsulation of all surfaces in the regulated work area at the conclusion of ACM and/or PACM removal and before removal of primary barriers.

MCEF: Membrane Cellulose Ester Filter

Negative Exposure Assessment: This means a demonstration by the employer that employee exposure to airborne asbestos during an operation is expected to be consistently below the PELs.

Negative Pressure: Air pressure lower than surrounding areas, created by exhausting air from a sealed space such as a contained work area.

Negative Pressure Respirator: A respirator in which the air pressure inside the respiratory inlet covering is positive during exhalation in relation to the pressure of the outside atmosphere and negative during inhalation in relation to the air pressure of the outside atmosphere.

Negative Pressure Ventilation System: A local exhaust system, utilizing HEPA filtration capable of maintaining a negative pressure inside the work area and a constant air flow from adjacent areas into the work area and that exhausts that air through HEPA filters to air outside the work area.

NESHAP: National Emission Standards for Hazardous Air Pollutants

Non-friable Asbestos-Containing Material (NF-ACM): Material that contains more than one percent (1%) asbestos by weight but cannot be crumbled, pulverized, or reduced to powder by hand pressure when dry.

OSHA: Occupation Safety and Health Administration

Owner: The governmental or public body or authority, corporation, association, firm, or person with whom the contractor has entered into the agreement and for whom the work is to be provided and who is the authorized representative of the owner of the facility where the work is to be performed.

OV: Organic Vapor

PACM: OSHA acronym for "Presumed Asbestos Containing Material"

PAPR: Powered Air-Purifying Respirator

United Way of Central Ohio – Columbus, Franklin County, OH

PCM: Abbreviation for Phase Contrast Microscopy. Phase contrast microscopy uses a light microscope for the purpose of counting fibers.

PDF: Personnel Decontamination Facilities

Penetrating Encapsulant: An encapsulant that is absorbed by the asbestos matrix without leaving a discrete surface layer.

Personal Air Sampling: Air sample collected with a special battery-powered, portable, low-volume pump unit which is fitted on the body of the monitored person. The collection device (filter cassette) is located within the individual's breathing zone.

Personal Monitoring: Sampling of the fiber concentrations within the breathing zone of an employee.

P.I.H.: Professional (qualified) I.H. who meets all the definition requirements of AIHA and OSHA of a "Competent Person" under 29 CFR 1926.1101, has completed at least three specialized courses on asbestos abatement, supervision, and management in EPA endorsed training programs, formal training in respiratory protection and waste disposal, and has a minimum experience of five (5) projects of similar complexity with this project of which at least three (3) projects, served as the supervisor, licensed when required by state or local regulations.

Plastic Sheeting: Barrier material not as strong as polyethylene.

PLM: Abbreviation for Polarized Light Microscopy with dispersion staining using light microscopy and refractive indices to identify type of asbestos present.

Polyethylene Sheeting: Strong, usually transparent plastic barrier material.

Positive/Negative Pressure Fit Check: A negative-pressure respirator fit check, performed by placing the palm of one hand over the exhalation valve and exhaling (positive pressure) and feeling for facepiece-to-face fit leakage and covering the filters cartridges with the palms of the hand and inhaling (negative pressure) while feeling for facepiece-to-face fit leakage.

Pressure Differential System: A system which restricts airflow from adjacent areas into work area and continuously re-filters air from the HEPA filtration machine. Minimal exhaust ventilation is utilized by maintaining a pressure differential of two hundredths of an inch (0.02") of water (H<sub>2</sub>O.) using a manometer.

Project Designer: This means a person who has successfully completed training requirements for an asbestos abatement project designer established by 40 CFR 763.

Protection Factor: The ratio of the ambient concentration of an airborne substance to the concentration of the substance inside the respirator at the breathing zone of the wearer. The protection factor is a measure of the degree of protection provided by a respirator to the wearer.

QNFT: Quantitative Fit Test

RACM: EPA-NESHAP acronym for "Regulated Asbestos Containing Material"

Regulated Area: An area established by the employer to demarcate areas where Class I, II, and III asbestos work is conducted, and any other adjoining area where debris and waste from such asbestos work accumulate; and a work area within which airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed, the permissible exposure limits (PEL.)

Removal: Means all operations (including demolition) where ACM and/or PACM is taken out or stripped from structures or substrates.

Removal Encapsulant: A penetrating encapsulant specifically designed for removal of ACM rather than encapsulation.

Renovation: The modifying of any existing structure, or portion thereof.

**Repair:** Overhauling, rebuilding, reconstructing, or reconditioning of, mechanical equipment, structures, or substrates, including encapsulation or other repair of ACM and/or PACM attached to mechanical equipment, structures, or substrates.

**Respirator:** A device designed to protect the wearer from the inhalation of harmful atmospheres.

**RPP:** Respiratory Protection Program

**RPPC:** Respiratory Protection Program Coordinator

**SAR:** Supplied Air Respirator

**SCBA:** Self Contained Breathing Apparatus

**Sealant:** Another name for encapsulating material. This term also refers to the paint which is used to cover brown-coat ceilings after asbestos surfaces have been removed.

**Sealed Work Area:** Refers to the work area after containment barriers and decontamination facilities have been erected and a negative pressure air system installed.

**Showers:** Shower stalls installed in the PDF and used as part of the decontamination process, required for every person leaving the sealed work area. Also used in the EDF to wash disposal bags.

**S.O.P.:** Standard Operating Procedures

**Station Sample or Area Sample:** Refers to air samples collected at a specific spot, or station, with high-volume air pumps.

**Surfactant:** A chemical wetting agent added to water to improve penetration, thus increasing the effective wetting properties of water when applied to asbestos containing materials.

**Surfacing Material:** This means material that is sprayed troweled-on or otherwise applied to surfaces (such as acoustic plaster on ceilings, fireproofing materials on structural members, or other materials on surfaces for acoustic, fireproofing, decorative texturing, and other purposes).

**Surfacing ACM:** This means surfacing material which contains more than 1% asbestos.

**TEM:** Abbreviation for Transmission Electron Microscopy. TEM is used for the purpose of fiber counting and has the analytical capacity of specifically identifying asbestos fibers.

**Thermal System Insulation (TSI):** This means ACM and/or PACM containing greater than 1% asbestos that is applied to pipes, fittings, boilers, breech, tanks, ducts or other mechanical/structural components to prevent heat loss or gain.

**Testing:** One of two types of testing done in relation to asbestos bulk and air testing.

**Time Weighted Average (TWA):** The average concentration of a contaminant in air during a specific time period.

**VAT:** Vinyl Asbestos Tile

**Visible Emissions:** Any emission containing particulate that is visually detectable without the aid of instruments. This does not include condensed uncombined water vapor.

**Wetting Agent:** See Surfactant

**Wet Cleaning:** The process of eliminating asbestos contamination from building surfaces and objects by using cloths, mops, or other cleaning utensils which have been dampened with amended water or diluted removal encapsulant.

**Work Area:** The area where asbestos-related work or removal operations are performed which is isolated to prevent the spread of asbestos dust, fibers, debris and entry by unauthorized personnel. Work area is a regulated area as defined by 29 CFR 1926.

### 1.5 Contractor Use of Premises:

- 1.5.1 The contractor shall cooperate fully with the owner to minimize conflicts and to facilitate the owner's safe and smooth continued operational use of the building.
- 1.5.2 The contractor shall use existing facilities strictly within the limits shown in the contract documents and the approved pre-abatement plan of action
- 1.5.3 The Contractor must maintain emergency exits from the work areas and building in case of fire or medical emergencies. It is the contractor's responsibility to maintain these exits and to make sure all exits are easily accessible and easily opened from the inside.

### 1.6 Differing Site Conditions:

- 1.6.1 The quantities (if indicated) and location of ACM, PACM, and ACE indicated on the drawings and the extent of work included in Attachment A and Attachment B of the bid document is only best estimates. It is the contractor's responsibility to notify the federal, state, and/or local regulators of the quantities to be removed. It is also the contractor's responsibility to notify the owner of any newly discovered ACM and/or PACM within 24 hours of such discovery.

### 1.7 Authority to Stop Asbestos Removal:

- 1.7.1 If the owner presents a verbal and/or written "Stop Asbestos Removal" order, the contractor will immediately stop all asbestos removal and initiate fiber reduction activities. The contractor will not resume asbestos removal until authorized verbally and/or in writing by the owner. A "Stop Asbestos Removal" order will be issued at any time the owner determines abatement conditions are not within specification requirements. Stoppage will continue until conditions have been corrected. Standby time and cost required for corrective action is at the contractor's expense. The occurrence of the following events shall be reported in writing to the owner and shall require the contractor to automatically stop asbestos removal and initiate fiber reduction activities:
  - Excessive airborne fibers outside the containment area (0.1 f/cc or greater).
  - Any breach in containment barriers.
  - Loss of negative air pressure.
  - Serious injury on the job site.
  - Fire and/or safety emergency.
  - Respiratory system failure.
  - Power failure.
  - Excessive airborne fibers inside the containment (0.5 f/cc or greater when wet methods are employed).

### 1.8 Contractor Requirements:

- 1.8.1 This section covers furnishing of all labor, materials, services, equipment, supervision and permits necessary to perform the removal of ACM located at the site described herein.
  - 1.8.1.1 This work shall be performed in accordance with this specification, contract documents, and any other applicable federal, state, and local government regulations concerning asbestos or related construction activities.
  - 1.8.1.2 In the event of conflicting requirements, the most stringent provisions shall be applicable.
  - 1.8.1.4 Work under this contract shall be performed in strict accordance with current OSHA, AHERA (when applicable), and NESHAP regulations.

### 1.9 Pre-Construction Conference:

1.9.1 The contractor will be required to attend a mandatory pre-construction conference meeting scheduled by the owner. At this meeting, the contractor shall present, in writing, to the owner one (1) copy of the following:

- Written negative exposure assessment when used.
- Project schedule breakdown in accordance with the time restraints.
- A plan for preparation of the work site, decontamination chamber, and shower/wastewater disposal.
- Description of protective clothing and approved respirators to be used.
- Delineation of responsibility of work site supervision including a listing of emergency telephone numbers.
- Explanation of regulated area containment and isolation techniques.
- Brief description of removal methods to be used and equipment to be utilized.
- Description of the final clean-up procedures to be used.
- Brief explanation of the handling of ACM and/or PACM and ACWM and the disposal site to be utilized.

1.9.2 Additional job progress meetings may be scheduled by the owner during the course of the construction.

## 1.10 Contractor Logbook:

1.10.1 The contractor shall maintain a logbook at the job site, which shall be available at all times to the owner. Complete copies shall be submitted to the owner within fifteen (15) days of project completion. The logbook serves as a ready reference for this project and may be used in legal proceedings, thus, care must be taken to assure its completeness and its documentation accuracy. The logbook shall contain the following information at a minimum and shall be maintained in a three (3) ring binder. Any deviation shall be confirmed in writing by the owner.

- Date stamped copies of all federal, state and local project notifications and filings including waivers and copies of applicable regulations.
- Copies of certification by a physician of each employee's capability to wear a respirator per the OSHA Respirator Standards (29 CFR 1910.134).
- Copies of asbestos project notifications to the local fire, police and rescue services including telephone numbers.
- Name and home telephone numbers of key personnel including the on-the-job supervisor's immediate supervisor, the buildings owner's representative, security personnel, and appropriate federal, state and local regulatory personnel.
- Contractor's standard operating procedures and any deviations therefrom.
- Project technical specification including plans and drawings and any deviations therefrom.
- Sign-in and sign-out forms noting who entered the work area, their affiliation with the project, time and purpose of entry and departure time.
- Records of pertinent daily events, checks of containment and equipment and all accidents and injuries occurring on the job.
- Personal air sampling forms with results for final report inclusion.
- EPA generator identification number, copy of waste disposal manifest, and name of disposal site used. If a subcontractor is used, all information required above must still be provided. All the above documentation including trip tickets and land fill invoices shall be provided to owner after project completion.
- Reports of inspection by federal, state, and local authorities.
- Detailed reports of any problems and incidents that arose, the date and time, and how they were handled. These reports must be signed by supervisory personnel.
- Emergency procedures.

- Copy of the project schedule and any deviations therefrom.
- Organization of personnel at the job site including delineation of supervisory responsibility.
- The contractor shall submit a copy of the valid state business entity license for an asbestos abatement contractor. All certificates for proposed workers, foremen, and supervisors must be presented. Any changes or substitutions must be approved by the owner.
- In the event that glove bag removal techniques are used, the contractor shall submit a copy of the glove bag instructions (not anticipated at this time for this scope of services).

#### 1.11 Availability of Trained Personnel:

- 1.11.1 There shall be a sufficient number of trained workers and supervisors to accomplish the work within the required schedule. No individual person who has not been fully trained and qualified, as below, shall be employed to speed up completion of the work.
- 1.11.1.1 All personnel of the contractor involved with the asbestos abatement work must be trained, tested, and certified prior to any work and shall be familiar with the standard operating procedures of the contractor.
- 1.11.1.2 All workers and supervisors shall be thoroughly familiar with all applicable regulations and practices for asbestos abatement work and must possess valid state asbestos licenses.
- 1.11.1.3 All workers shall be trained in the use and care of respirators.
- 1.11.1.4 All workers shall have successfully completed training courses required for asbestos removal workers as required, recognized, sponsored, and supported by the United States Department of Labor, Occupational Safety and Health Administration, the United States Environmental Protection Agency, and all state and local regulatory agencies. Documentation of the successful completion of applicable courses is required with submittals and close-out report.
- 1.11.1.5 All workers shall have state and local certifications whenever state and local regulations require the workers to be certified and shall be available for owner inspection prior to work starting.
- 1.11.1.6 Any worker without the above qualifications shall not be allowed in the work area at any time.

#### 1.12 Building Security:

- 1.12.1 The security of the premises and grounds are the responsibility of the owner unless otherwise specified in the bid document.
- 1.12.2 The security of the work area against inadvertent and/or willful entry of unauthorized personnel is the responsibility of the contractor. The contractor is responsible for all tools, equipment, materials, etc. whether they are in the work area or not.

#### 1.13 Standard Operating Procedures (SOP):

- 1.13.1 The asbestos contractor shall have established standard operating procedures (SOP) in printed form, on site, consisting of simplified diagrams, sketches and pictures that establish and explain clearly the ways and procedures to be followed during all phases of work. The SOP must be modified as necessary to address any specific requirements of the project and shall be submitted for review and approval prior to the start of any abatement work. The minimum topics and areas to be covered by the SOP are:
- Minimum Personnel Qualifications
  - Contingency Plans
  - Security and Safety in the Workplace (including a worksite safety plan - see 1.15)
  - Respiratory Protection Systems and Training
  - Worker Protection, Medical Examinations, Record Keeping, Protective Clothing, Entering and Exiting Procedures

- Work Area Limitations
- Decontamination Facilities, PDF and EDF
- Negative Pressure Systems
- Containment Barriers and Coverings of Work Area
- Monitoring, Inspection, and Testing
- Removal of ACM and/or PACM and/or ACE
- Removal of ACS
- Glove bag applications and their instructions
- Enclosure of ACM and/or PACM
- Encapsulation of ACM and/or PACM
- Project close-out documents production and distribution
- Project Decontamination
- Work Area Clearance
- Disposal of ACM and/or PACM and/or ACE Waste
- Fire Protection, Emergency Evacuation, and Exit Plan
- A Plan for Blood Borne Pathogens

#### 1.14 Contractor Pre-Work Submittal:

##### 1.14.1 Submit before start of work the following:

- 1.14.1.1 Copies of current abatement contractor required licenses and insurance.
- 1.14.1.2 Product data for surfactants and/or removal encapsulants, lock back encapsulants or other hazardous materials, instruction for use and recommendations of manufacturer, and data substantiating compliance with requirements including MSDS's.
- 1.14.1.3 Certification from manufacturer that the wetting product will wet ACM as required by NESHAP 40 CFR 61, Subpart M.
- 1.14.1.4 The contractor shall prove they have an established asbestos abatement business for three (3) years. Have conducted within the last three (3) years, three (3) asbestos abatement projects three (3) of which are comparable in complexity and dollar value with this project. Have not been cited or has not been a defending party of any legal action for violation of asbestos regulations during the last three (3) years. Carries liability insurance for asbestos abatement work. Is licensed in whatever state it is doing business and has on file such records. Has an adequate number of qualified personnel available for this project. Has an established written SOP for training, medical surveillance, entry and exit procedures, respiratory protection, safety, emergency and monitoring. Has available equipment, materials and supplies in adequate quantity, capacity and number to perform the work of this project.

#### 1.15 Work Site Safety Plan:

##### 1.15.1 Taking all emergency precautions and following all emergency procedures is the responsibility of the contractor and shall at minimum have a work site safety plan which includes the following:

- 1.15.1.1 The contractor shall establish emergency and fire exits from the work area. All emergency exits shall be equipped with at least two (2) sets of protective clothing and respirators (for emergency entrance) at all times.
- 1.15.1.2 The contractor shall notify the local police and fire departments of the asbestos abatement project. The contractor must coordinate with the police all security aspects of the project. All emergency evaluation and safety aspects must be coordinated with the local fire department and/or emergency response teams. **A notice of verification that all of the above parties have been notified must be presented to the owner.**

- 1.15.1.3 The contractor shall be prepared to administer immediate first aid to injured personnel before and after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination. When an injury occurs, the contractor shall stop and implement fiber reduction techniques such as, water misting the work area air until the injured person has been removed from the work area.

#### 1.16 Codes and Regulations:

- 1.16.1 **Except to the extent that more explicit or more stringent requirements are written directly into the contract documents, all current applicable codes, regulations, and standards have the same force and effect (and are made a part of the contract documents by reference) as if copied directly into the contract documents, or as if published copies are bound herewith.**
- 1.16.2 The contractor shall assume full responsibility and liability for compliance with all applicable federal, state, and local regulations pertaining to notifications, work practices, hauling and disposal of ACM and/or PACM, and/or ACE, and/or ACS and protection of workers, visitors to the site and persons occupying areas adjacent to the site. The contractor is responsible for providing medical examinations and maintaining medical records for workers as required by the applicable federal, state, and local regulations. The contractor shall hold the owner harmless for failure to comply with any applicable work, hauling, disposal, safety, health and/or other actions on the part of himself, his employees, or his subcontractors. The contractor incurs all costs including all sampling/analytical costs for sampling to comply with OSHA regulations. In addition, the abatement contractor shall determine the applicability of any process patent that may be used and be responsible for paying any fees, royalties, or licenses that may be required for the use of patented processes.
- 1.16.3 Federal requirements which govern asbestos abatement work or hauling, and disposal of asbestos waste materials include but are not limited to the following:
  - 1.16.3.1 U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA):
    - Code of Federal Regulations Title 29 Part 1910 Section 1001
    - Code of Federal Regulations Title 29 Part 1926 Section 1101
    - Code of Federal Regulations Title 29 Part 1910 Section 134
  - 1.16.3.2 U.S. Environmental Protection Agency (EPA):
    - Code of Federal Regulations Title 40 Part 763 Subpart E
    - Code of Federal Regulations Title 40 Part 61 Subpart A
    - Code of Federal Regulations Title 40 Part 61 Subpart M
  - 1.16.3.3 U.S. Department of Transportation
    - Code of Federal Regulations (applicable parts of) 49 CFR Parts 171-180
- 1.16.4 All state requirements which govern asbestos abatement work or hauling, and disposal of asbestos waste materials shall apply.
- 1.16.5 All local requirements shall apply.
- 1.16.6 EPA guidance documents that discuss asbestos abatement work or hauling and disposal of asbestos waste materials are available on EPAs Web site [www.epa.gov](http://www.epa.gov) and are incorporated herein by reference.
  - Guidance for Controlling Asbestos-Containing materials in Buildings (Purple Book) - EPA 560/5-85-024
  - Asbestos Waste Management Guidance - EPA 530-SW-85-007
  - A Guide to Respiratory Protection for the Asbestos Abatement Industry - EPA-560-OPTS-86-001

- 1.16.7 The contractor shall send written notification prior to beginning work on abatement of asbestos containing materials as required by NESHAP, 40 CFR 61, Subpart M to the regional asbestos NESHAP contact or their designee.
- 1.16.7.1. Include, at a minimum, the following information in the notification sent to the NESHAP contact:
- Name and address of owner's facility.
  - Description of the facility being demolished or renovated, including size, age, and prior use of facility.
  - Estimate of the approximate amount of friable asbestos material present in the facility in terms of linear feet of pipe, and surface area on other facility components.
  - Location of the facility being demolished or renovated.
  - Scheduled starting and completion dates of demolition or renovation.
  - Nature of planned demolition or renovation and method(s) to be used.
  - Procedures to be used to comply with the requirements of NESHAP 40 CFR 61 Subpart M.
  - Name and location of the waste disposal site where the friable asbestos waste material will be deposited.
- 1.16.7.2. If applicable, send written notification within required timeframes as required by state and local regulations prior to beginning removal of asbestos-containing materials.
- 1.16.7.3. Copies of NESHAP and other notifications shall be submitted to the owner for the facility's record at the same time-frame notification is given to the EPA, state, and local authorities.
- 1.16.8 A asbestos waste shipment document is required for transporting asbestos waste to a disposal site.
- 1.16.9 Maintain current licenses as required by applicable federal, state, and local jurisdictions for the removal, transporting, disposal or other regulated activities related to the work of this contract.
- 1.16.10 Maintain one (1) copy of applicable federal, state, and local regulations. Make available at the job site where workers will have easy access to the regulations. Keep on file in the contractor's office one (1) copy of each regulation.

## 1.17 Project Personnel:

- 1.17.1 The contractor and assigned personnel for this project shall meet the following minimum requirements:
- 1.17.1.1 The C.P.I.H. shall have at least three (3) years of experience monitoring and supervising abatement construction. Have participated as C.P.I.H. in five (5) abatement projects, three (3) of which are of comparable complexity and dollar value with this project. Have developed at least one (1) complete written standard operating procedure for abatement and has trained abatement workers for three (3) years. Have specialized training in asbestos abatement management, respiratory protection and training, asbestos waste disposal, abatement, personnel monitoring, inspection and testing. Have medical records. Have certifications and licenses where required by state and/or local government.
- 1.17.1.2 Abatement workers shall have specialized training in abatement construction, OSHA and EPA regulations, the standard operating procedure of the company, asbestos hazards and respiratory protection. Have one (1) year of abatement construction experience. Have medical records and any other OSHA requirements. Have licenses where required by state and/or local government.

### 1.18 Contingency Plans and Arrangements:

- 1.18.1 Prepare a contingency plan for emergencies including fire, accident, failure of power, failure of negative air system, failure of supplied air system or any other event that may require modification of standard operating procedures during abatement, including specific procedures to ensure safe exiting and to provide medical attention in the event of an emergency. Post the telephone numbers and locations of emergency services including fire, ambulance, doctor, hospital, police, power company and telephone company in the clean room of PDF. Notify all these emergency services as to the danger of entering the containment area. The Contractor must ensure that all of its employees know of all fire and emergency plans, telephone numbers and exit procedures.

### 1.19 Project Security:

- 1.19.1 The contractor is responsible for providing 24-hour security for all regulated areas throughout the duration of their work.

## Chapter 2 Respiratory Protection

### 2.1 General:

- 2.1.1 The contractor shall provide respiratory protection in accordance with this specification, the OSHA regulation 29 CFR 1910.1001, 29 CFR 1910.134 and 29 CFR 1926.1101, EPA regulations 40 CFR 763.120 and 121, ANSI standards Z88.2, CGA Pamphlet G-7 and specification G-7.1, the NIOSH standards, and comply with all current state and local requirements. In case of conflict, the most stringent requirements are applicable for this project.

### 2.2 Respiratory Protection Program (RPP):

- 2.2.1 It is the responsibility of the contractor to develop, implement and maintain a respiratory protection program.

### 2.3 Written Statement of Company Policy:

- 2.3.1 The contractor shall provide a written statement of intent to provide a safe and healthful workplace for workers. This written statement shall include assignment of individual responsibility, accountability, enforcement procedures and authority for required activities.

### 2.4 Respirators for Abatement Operations:

- 2.4.1 Where a person is or could reasonably be expected to be exposed during abatement operations to airborne asbestos, one of the following minimum levels of respiratory protection is required:

NIOSH Approved Respiratory Protection	Maximum Use Concentration
Half-Mask Air Purifying with HEPA Filters	1 f/cc
Full-Facepiece Air Purifying with HEPA Filters	5 f/cc
Powered Air Purifying (PAPR) Full Facepiece with HEPA Filters	10 f/cc
Full Facepiece - Supplied Air Continuous Flow with HEPA Filters	10 f/cc
Full Facepiece - Supplied Air operated in Pressure Demand mode	100 f/cc

- 2.4.1.1 Type "C" Compressed Air (OSHA 1910.134(d)(1) and CAS Z275.3.09) shall comply with the following requirements:
- The compressor shall be sized according to the respirator manufacturer's recommendation for supply capacity.
  - The receiver shall be of the capacity and a size for emergency escape using decontamination procedures for all workers.
  - The compressor shall be equipped with a visual and audible compressor failure alarm so that all workers may be alerted of compressor failure.
  - The compressor shall be equipped with a high temperature alarm with shut off capability.
  - The compressor shall be equipped with a carbon monoxide monitor. This monitor should be equipped with an alarm that can be heard or seen by all workers using the system.
  - The system shall include an in-line air purifying absorbent bed and filters.
  - The compressor shall provide Grade D or better-quality breathing air.

- 2.4.1.2 The contractor shall demonstrate, prior to its use, the air system including receiver capacity, etc., to the owner for approval.
- 2.4.1.3 A belt must be provided for the air hose. The hose length shall not exceed 300 feet.
- 2.4.1.4 The contractor shall have available for authorized visitors, two (2) extra or spare air hoses and connectors to allow entry into the work area at any time without removing a worker from the work area.
- 2.4.2 Combination pressure-demand SAR/SCBA or pressure-demand SCBA shall be equipped with full facepieces. Full facepieces shall be worn with either a bonnet-type disposable head cover/hood or with a full head cover/hood which is part of a fully enclosed protective garment. When bonnet type head cover/hoods are used with full facepieces, the respirators shall always be donned with the head straps located under the hood. This allows removal of the head covering prior to showering without disturbing the respirator (which is worn into the shower).
- 2.4.3 Reserve air shall be provided per OSHA regulations 29 CFR 1910.134 as part of any supplied air system used with the above respirators.

## 2.5 Use of Respirators:

- 2.5.1 The Contractor shall provide respirators to their employees as follows:
  - 2.5.1.1 During all Class I and II asbestos jobs.
  - 2.5.1.2 During all Class II and III work this is not performed using wet methods.
  - 2.5.1.3 During all Class II and III asbestos jobs where the employer does not produce a "negative exposure assessment".
  - 2.5.1.4 During all Class III jobs where TSI or surfacing ACM and/or PACM is being disturbed.
  - 2.5.1.5 During all Class IV work performed within regulated areas where employees performing other work are required to wear respirators.
  - 2.5.1.6 During all work while employees are exposed above the TWA or excursion limit.

## 2.6 Worker and Supervisor Respirator Training:

- 2.6.1 Contractor shall provide formal instructions in the proper use of respirators to workers and supervisors. Supervisors shall have a more comprehensive training in addition to the basic worker training.

## 2.7 Respirator Fit Test:

- 2.7.1 Perform the appropriate fit test, either a quantitative fit test (QNFT) or qualitative fit test (QLFT) in accordance with OSHA regulations 29 CFR 1910.134 to determine satisfactory fit with any respirator which creates a negative pressure in the facepiece, such as negative-pressure air-purifying respirators or a SAR fitted with an emergency HEPA filter back-up.
- 2.7.2 Routine donning of respirators with tight fitting facepiece requires negative and positive pressure test to ensure adequate sealing. This shall be performed by the wearer prior to each entry into the work area.
- 2.7.3 For SCBA, SAR/SCBA, and SAR perform a negative pressure test, block the end of the breathing tube with the palm of the hand(s) and for negative pressure air-purifying respirators close off the cartridge(s) or filter(s) by covering with the palms of the hands. The wearer shall inhale gently and hold breath for at least ten (10) seconds. The facepiece shall collapse slightly without inward leakage of air into the facepiece.
- 2.7.4 For SCBA, SAR/SCBA, SAR perform a positive pressure test for negative pressure air-purifying respirators, the exhalation valve is closed off and wearer exhales gently for at least ten (10) seconds.

A slightly positive pressure shall be built up inside the facepiece without any outward leakage of air from the facepiece.

## 2.8 Cleaning, Disinfecting, Inspection, Repair and Storage:

- 2.8.1 Respirators shall be cleaned after each use by the wearer at the end of each work shift. Every worker's respirator shall bear identification and shall always be assigned to the same worker. Perform continuous inspection of respirators to identify malfunctions. Inspections shall be performed in accordance with manufacturer's instructions. Replacement parts for respirators shall be from the manufacturer of the respirator only. Substitution of parts from a different brand or type of respirator, or unauthorized modification will void the approval of the respirator. Store the respirator in a convenient, clean, and sanitary location to ensure proper function when used. Protect against dust, chemicals, sunlight, excessive heat and cold, and mechanical damage. Store thoroughly dried respirator in sealed plastic bag or in a container with a tight-fitting lid.

## 2.9 Regular Program Evaluation and Special Problems of Use:

- 2.9.1 The contractor shall periodically assess the effectiveness of the respiratory protection program during all phases of asbestos abatement operations. Contractor shall monitor supervisor and worker compliance with requirements of their program. In addition to general assessment of the overall respiratory protection program, specific evaluations of the respirator cleaning, inspection, maintenance, repair, storage, and use procedures shall be frequently conducted to ensure that the desired results of these operations are consistently achieved.

## 2.10 Proper Respirator Use Procedures:

- 2.10.1 The Contractor shall establish a well-defined procedure for donning and doffing of respirators when entering and exiting the work area through the PDF. Donning and doffing of respirators and work clothes shall be accomplished using the "buddy" system, involving two employees assisting each other to ensure full and satisfactory compliance with the establish procedures. The procedures described in this document for clean room (entry), shower room (entry), equipment room (entry), work area and equipment room (exit), shower room (exit) and clean room (exit) for pressure-demand SAR and pressure-demand SAR/SCBA are made, by reference, part of these specifications.

## Chapter 3 Worker Protection

### 3.1 Training Prior to Engaging in Abatement Work:

- 3.1.1 The contractor shall ensure that workers are trained in accordance with OSHA 29 CFR 1926.1101 and this section. Workers shall be trained and be knowledgeable on the following topics:
- Methods of recognizing ACM and/or PACM.
  - Health effects of asbestos exposure.
  - Effects of smoking and asbestos exposure.
  - Activities that could result in hazardous exposures.
  - Protective controls, practices and procedures to minimize exposure including engineering controls, work practices, respirators, housekeeping procedures, hygiene facilities, protective clothing, decontamination procedures, emergency procedures, and waste transportation and disposal.
  - Review OSHA 29 CFR 1910.134 for respirators.
  - Medical surveillance program.
  - Review OSHA 29 CFR 1926.1101.
  - Review this section of the project specifications.

### 3.2 Medical Examination:

- 3.2.1 The contractor shall provide medical examination for all workers and any other employees entering the work area per OSHA 29 CFR 1926.1101 regardless of exposure level. In addition, the contractor's physician shall perform an evaluation of each individual's ability to work in heat stress environments.

### 3.3 Protective Clothing:

- 3.3.1 The contractor shall provide all safety clothing and equipment required by OSHA for personal protection for all workers. These items might include, but are not limited to, steel-toed boots, hard hats, eye protection, hearing protection, gloves, etc. for all workers. The contractor is required to ensure all equipment is well-maintained and meets OSHA requirements for personal protection. Provide all persons entering the work area with disposable full body coveralls, disposable head covers, and eighteen-inch (18") boot type covers. Ensure that disposable clothing integrity will not be compromised by employees. Provide disposable plastic or rubber gloves to protect hands. Cloth gloves may be worn inside the disposable gloves but shall not be used alone. Use tape to secure sleeves at the wrists and to secure foot coverings at the ankle.

### 3.4 Decontamination Procedures:

- 3.4.1 The contractor shall ensure that all workers adhere to the following personal decontamination procedures whenever they leave the work area:
- 3.4.1.1 Before exiting the work area, remove gross contamination from clothing using a HEPA vacuum.
- 3.4.1.2 When exiting the work area, remove disposable coveralls, and all other disposable clothes, head covers, and disposable footwear covers or boots in the equipment room.
- 3.4.1.3 Still wearing the respirator, and completely naked, proceed to showers. Showering is mandatory. Care must be taken to follow reasonable procedures in removing the respirator to avoid asbestos fiber inhalation while showering. The following procedure is required as a minimum:
- Thoroughly wet body including hair and face. If using a PAPR, hold blower unit above head to keep canister dry.

- With respirator still in place thoroughly wash body, hair, respirator facepiece, and all parts of the respirator except the blower unit and battery pack on a PAPR. Pay particular attention to clean seal between face and respirator and under straps.
  - Take a deep breath, hold it and/or exhale slowly and completely wash face and respirator. While still holding breath, remove respirator and hold it away from face before starting to breath.
- 3.4.1.4 Carefully wash facepiece of respirator inside and out. If using PAPR, shut down in the following sequence, first cap inlets to filter cartridges, then turn off blower unit (this sequence will help keep debris which has collected on the inlet side of the filter from dislodging and contaminating the outside of the unit). Thoroughly wash blower unit and hoses. Carefully wash battery pack with wet rag. Be extremely cautious of getting water in battery pack as this will short out and destroy the battery.
- 3.4.1.5 Shower completely with soap and water. Rinse thoroughly.
- 3.4.1.6 Rinse shower room walls and floor prior to exit.
- 3.4.1.7 Proceed from shower to changing room and change into street clothes or into new disposable work items.
- 3.4.1.8 Dispose of wet filters from air purifying respirator.
- 3.4.1.9 Carefully wash facepiece of respirator inside and out.
- 3.4.1.10 Shower completely with soap and water. Rinse thoroughly.
- 3.4.1.11 Rinse shower room walls and floor prior to exit.
- 3.4.1.12 Proceed from shower to changing room and change into street clothes or into new disposable work items.

### 3.5 Limitations within Work Area:

- 3.5.1 **The contractor shall ensure that workers do not eat, drink, smoke, chew gum or tobacco, or in any way break the protection of the respiratory protection system in the work area.**

### 3.6 Emergency Fire Exit:

- 3.6.1 As per this specification and the abatement design drawings when provided, the contractor must maintain easy access to all emergency exits. If an emergency exit must be covered with 6 mil poly as a critical barrier for asbestos containment, do the following:
- 3.6.1.1 Post Exit signs.
- 3.6.1.2 Tape a utility knife to the wall next to the exit for cutting the poly.
- 3.6.1.3 Red paint or red duct tape should "frame" the exit and the knife, making it both visible and easy to find.

### 3.7 Emergency Fire Plan:

- 3.7.1 Go through the fire exit procedures with all persons working in the building.
- 3.7.2 In case of fire, use the stairs, not the elevator.
- 3.7.3 Post emergency telephone numbers.
- 3.7.4 Place easily accessible fire extinguishers in each work area.

## Chapter 4 Decontamination Facilities:

### 4.1 Description:

- 4.1.1 Provide each work area with separate PDF and EDF when feasible. Ensure that the PDF is the only means of ingress and egress from the work area and that all equipment, bagged waste material and other material exit the work area only through the EDF.

### 4.2 General Requirements:

- 4.2.1 All persons entering and exiting the work area shall follow the entry and exit procedures required by the applicable regulations and this specification. Process all equipment and materials exiting the work area through the EDF and decontaminate as required by this specification. Construct walls and ceilings of PDF and EDF, airtight with at least six (6) millimeter opaque polyethylene sheeting and attach to existing building components or to a temporary framework. Use a minimum of two (2) layers of reinforced six (6) millimeter polyethylene to cover floor under PDF. Construct doors from overlapping polyethylene sheets so that they overlap adjacent surfaces. Weigh sheets at bottom so that they quickly close after release. Put arrows on sheets showing direction of overlap and travel. If the building is partially occupied, construct solid barriers on the public side to protect sheeting. Construct rigid enclosures as indicated on drawings or when necessary.
- 4.2.2 Adequate toilet facilities shall exist either in the clean room adjacent to the PDF or shall be readily nearby.

### 4.3 Temporary Utilities to PDF and EDF:

- 4.3.1 The contractor shall provide temporary water service connection to the PDF and EDF. Provide back-flow protection at the point of connection to the owner's system. Provide UL rated electric hot water heater to supply hot water at a minimum of 100°F to the showers of the PDF.
- 4.3.2 Water supply must be properly pressurized, and temperature balanced at shower discharge and be secured at the shower and at the source at the end of each work shift to prevent flooding or water damage to other building components from ruptured hoses.

### 4.4 Personnel Decontamination Facilities (PDF):

- 4.4.1 The contractor shall provide a PDF consisting of serial arrangement of clean room, shower room and equipment room. Provide adequately sized PDF to accommodate the number of employees scheduled for the project. The center chamber of the three chamber PDF shall be fitted with as many portable walk-through shower stalls as necessary so that all employees will be able to go through the entire decontamination procedure within 15 minutes. There shall be a minimum of one (1) shower per six full work shift persons calculated by the largest work shift. Construct PDF of opaque or colored polyethylene for privacy. Construct PDF so that it will not allow for parallel routes of exit without showering.
- 4.4.2 The clean room of the PDF must be physically and visually separated from the rest of the building for the purpose of workers changing into protective clothing or dressing into street clothing. Construct using six (6) millimeter minimum thickness polyethylene sheeting to provide an airtight room. Provide a minimum of two (2), three (3) feet wide flapped airlocks constructed from sheets of polyethylene. One (1) airlock shall be from the outside and one (1) of two (2) from the shower. Keep the floor of this room dry and clean at all times. Do not allow over-flow from shower into this room. Damp wipe all surfaces twice after each shift change with a disinfectant solution. Provide in this room an adequate supply of disposable bath towels and disposable protective clothing. Provide at a minimum, hooks for employee's clothes and chair to sit on. Provide a portable Type "ABC" fire extinguisher in this room as per NFPA Standard 10. Require all persons to remove all street clothes in this room and dress in disposable protective clothing and respiratory protection equipment.

Ensure that any person entering this room will do so either from the outside with street clothes or from the showers completely naked and thoroughly washed. If a female is required to enter or exit the work area, make all necessary provisions to ensure her privacy throughout the decontamination process.

- 4.4.3 The shower room of the PDF provides a completely watertight operational compartment to be used for transit of all personnel entering the work area from the changing room, or for showering by all persons headed out of the work area after undressing in the equipment room. Construct each stall and shower walls so that water running down the walls will drip into the shower pan. Install a freely draining smooth wooden floor on top of the shower pan. Separate this room from the rest of the building and the equipment room and clean room with airtight walls fabricated of a minimum six (6) millimeter polyethylene. Provide splash-proof entrances to clean and equipment rooms with two (2), three (3) feet wide flapped airlocks constructed of polyethylene.

- 4.4.3.1 Provide shower heads and controls, temporary cold and hot water, drainage, soap dish, and a continuous supply of soap. Maintain sanitary conditions at all times. Arrange controls so that a single individual can shower without assistance. Pump wastewater to drain or storage drum for disposal. If pumped to drain, provide twenty (20) micron and five (5) micron wastewater filters. Change filters daily. Locate filters inside shower so that water lost during filter changes drains into shower pan. Hose down all surfaces of the shower room after each shift and clean debris from the shower pan. Dispose of residue as asbestos contaminated waste.

- 4.4.4 The equipment room of the PDF provides a completely airtight compartment to be used to store work equipment, reusable footwear and warm clothing and as a transit and change station. Separate this room from the work area and showers with airlocks three (3) feet wide, constructed of three (3) six (6) millimeter polyethylene sheets on the work area side and two (2) on the shower side. Separate this room from the work area and other rooms with airtight walls and ceiling constructed of maximum six (6) millimeter polyethylene sheeting. If the airborne asbestos levels in the work area are expected to be higher than .5 f/cc, add an intermediate cleaning space between the equipment room and the work area. Clean all surfaces (by damp wiping) of the equipment room after each shift change. Provide an additional floor layer of six (6) millimeter clear polyethylene sheeting per work shift change and remove contaminated layer after each work shift. Provide temporary electrical sub-panel in this room to accommodate any power tools and equipment in work area. Provide benches for workers to sit. Provide a walk-off pan in the work area outside of the equipment room for persons to clean footwear when exiting the work area.

- 4.4.5 Small Asbestos Projects (mini containment): Enclosure requirements. A personal decontamination enclosure system shall consist of, at least, a shower room and a clean room separated from each other by an airlock and from the work area and other areas by curtained doors. All other provisions for large asbestos projects shall apply. Equipment storage, personal gross decontamination, and removal of clothing shall occur in the work area just prior to entering the shower. **NOTE:** The full personal decontamination enclosure specified for large asbestos projects is recommended for mini containments.

#### 4.5 Equipment and Waste Decontamination Facilities (EDF):

- 4.5.1 The contractor shall provide an EDF consisting of a serial arrangement of washroom and holding room for removal of equipment and ACM and/or PACM waste from work area. Do not allow entry or exit of people through EDF other than in emergencies. Clean debris and residue from inside EDF on a daily basis. Wipe down or hose down all surfaces after each shift and clean wash pan of debris. See Chapter 15 for waste/equipment removal through EDF.
- 4.5.2 Pre-clean waste bags and equipment before moving into the washroom.
- 4.5.3 Provide washroom for cleaning of equipment and bagged or containerized ACWM passed from the work area. Construct washroom of framing and polyethylene sheeting, at least six (6) millimeter in thickness. Locate room so that ACWM, after being wiped clean, can be passed to a holding room.

- Separate this room from the work area by a triple flap airlock of six (6) millimeter polyethylene sheeting.
- 4.5.4 Provide a holding room as a drop location for equipment and bagged ACWM passed from the washroom. Construct holding room of framing and polyethylene sheeting, at least six (6) millimeter thickness. Separate the holding room from the washroom with a triple flap airlock and another solid, lockable door to the outside.
  - 4.5.5 Where there is only one egress from the work area, the holding area of the waste decontamination enclosure system may branch off from the equipment decontamination room, which doubles as a waste washroom, of the personal decontamination enclosure or pass completely through the PDF.
  - 4.5.6 In small asbestos projects where only one egress from the work area exists, the shower room may be used as a waste washroom. In this instance, the clean room shall not be used for waste storage, but shall be used for waste transfers to carts, which shall be immediately removed from the clean room.

## Chapter 5 Negative Pressure Filtration Systems:

### 5.1 General Negative Pressure Requirements:

- 5.1.1 The contractor shall provide enough HEPA filtered negative air machines (HEPA Units) to completely exchange the work area air four (4) times per hour. The contractor shall demonstrate the number of HEPA Units needed per work area for four (4) room air changes by calculating the volume flow rate (cfm) delivered by each HEPA Unit under a two-inch (2") pressure drop across filters. Provide at least one standby HEPA Unit in the event of a HEPA Unit failure or emergency such as contamination in surrounding non-work area. All large and small asbestos projects shall employ HEPA Unit equipment ventilation.

### 5.2 HEPA Units:

- 5.2.1 The cabinet shall be constructed of steel or other durable materials able to withstand damage from rough handling and transportation. The width of the cabinet should be less than thirty (30) inches to fit through standard-size doors. The cabinet shall be factory-sealed to prevent asbestos-containing dust from being released during use, transport, or maintenance. Access to and replacement of all filters shall be from intake end. The unit shall be mounted on casters or wheels.
- 5.2.2 The rate capacity of the fan is the usable air-moving capacity under actual operating conditions. Use centrifugal-type fan.
- 5.2.3 The final filter shall be a HEPA type. The filter media (fold into closely pleated panels) must be completely sealed on all edges with a structurally rigid frame.
- 5.2.3.1 Locate a continuous rubber gasket between the filter and the filter housing to form a tight seal.
- 5.2.3.2 Each filter shall be individually tested and certified by the manufacturer to have an efficiency of not less than ninety-nine-point ninety-seven (99.97) percent when challenged with three (3.0)  $\mu\text{m}$  dioctylphthalate (DOP) particles. Each filter shall bear an appropriate label to indicate ability to perform under specified conditions.
- 5.2.3.3 Each filter shall be marked with the name of the manufacturer, serial number, air flow rating, efficiency and resistance, and the direction of air flow.
- 5.2.4 Pre-filters, which protect the final filter by removing the larger particles, are required to prolong the operating life of the HEPA filter. Two stages of pre-filtration are required. The first-stage pre-filter shall be a low-efficiency type for particles ten (10)  $\mu\text{m}$  and larger. The second-stage pre-filter shall have a medium efficiency effective for particles down to five (5)  $\mu\text{m}$ . Pre-filters shall be installed either on or in the intake grid of the unit and held in place with special housings or clamps.
- 5.2.5 Electrical components shall be approved by the National Electrical Manufacturers Association (NEMA) and Underwriter's Laboratories (UL). Each HEPA Unit shall be equipped with overload protection sized for the equipment. The motor, fan, fan housing, and cabinet shall be grounded.

### 5.3 Pressure Differential:

- 5.3.1 The contractor shall provide a fully operational negative air system within the work area continuously maintaining a pressure differential across work area enclosures of 0.02 inches of water. Demonstrate to the owner the pressure differential by use of a pressure differential meter or a manometer before disturbance of any ACM.

### 5.4 Auxiliary Generator:

- 5.4.1 When required, the contractor shall provide an auxiliary gasoline or diesel-powered generator located outside of the building in a location protected from the weather. Arrange so that if a power

failure occurs the generator automatically starts and supplies power to a minimum of fifty percent (50%) of the HEPA Units in operation.

### 5.5 Supplemental Make-up Air Inlets:

- 5.5.1 The contractor shall create, where required for proper air flow through the work area, make-up air inlets to allow air from outside the building into the work area. Locate auxiliary makeup air inlets as far as possible from the HEPA Unit (e.g., on an opposite wall), off the floor (preferably near the ceiling), and away from barriers that separate the work area from occupied clean areas. Cover with flaps to reseal automatically if the negative pressure system should shut down for any reason. Use spray adhesive on the flap and around the opening so that flap seals if it closes.

### 5.6 Testing the System:

- 5.6.1 The contractor shall test the negative pressure system before any ACM and/or PACM is wetted or removed. After the work area has been prepared, the decontamination facility set up, and the exhaust machines(s) installed, start the HEPA Unit one at a time. Demonstrate operation and testing of negative pressure system. HEPA Units connected in series shall be considered a single HEPA Unit for the test. A minimum of one HEPA Unit, having a capacity at least equal to the primary unit, shall be used as back-up and for primary unit filter changes.

### 5.7 Demonstration of Negative Air System Operation:

- 5.7.1 The contractor shall demonstrate the operation of the negative pressure system to include, but not limited to, the following:
  - 5.7.1.1 Plastic barriers and sheeting should move lightly in toward work area.
  - 5.7.1.2 Curtain of decontamination units move lightly in toward work area.
  - 5.7.1.3 Noticeable movement of air through the decontamination unit. Use smoke tube to demonstrate air movement from clean room to shower room, from shower room to equipment room, and from equipment room to work area.
  - 5.7.1.4 Use a differential pressure meter or manometer to demonstrate a pressure difference of at least 0.02 inches of water across every barrier and to the outside. Modify the negative pressure system as necessary to successfully demonstrate the above.

### 5.8 Use of System During Abatement Operations:

- 5.8.1 Start HEPA Units before beginning work and before any ACM and/or PACM is disturbed. After abatement work has begun, run HEPA Units continuously to maintain a constant negative pressure until decontamination of the work area is complete. Do not turn off HEPA Units at the end of the work shift or when abatement operations temporarily stop.
- 5.8.2 Do not shut down negative air system during abatement operations procedures, unless authorized by the owner in writing.
- 5.8.3 Start abatement work at a location farthest from the HEPA Units and proceed toward them. If an electric power failure occurs, immediately stop all removal work and do not resume until power is restored and all HEPA Units are operating again.
- 5.8.4 At completion of abatement work, allow exhaust machines to run as specified under this specification or as required by regulation to remove airborne fibers that may have been generated during abatement work and cleanup and to purge the work area with clean air. HEPA Units may be required to run after decontamination if dry or only partially wetted asbestos material was encountered during any abatement work.

### 5.9 Openings in Enclosure:

- 5.9.1 Openings made in the enclosure system to accommodate these HEPA Units shall be made air-tight with tape and/or caulking. Where possible, only the intake and the filter access panel shall remain within the work area to permit filter changing, while minimizing HEPA Unit contamination and the likelihood of contamination of non-working areas.

### 5.10 Installation and Care:

- 5.10.1 HEPA Units shall be exhausted to the outside of the building or structure and away from occupied areas. Proper installation, air monitoring and daily inspections shall be conducted to ensure that the ducts do not release asbestos into uncontaminated areas. Fans, ducts and joints shall comply with the following:
  - 5.10.1.1 Ducts of at least equivalent shape and dimensions as that of the HEPA Unit exhaust shall be used to exhaust to the outside of the building or structure.
  - 5.10.1.2 All fans, ducts and joints shall be sealed, braced and supported to maintain an air-tight system.

### 5.11 Exhaust Location:

- 5.11.1 At no time shall the HEPA Unit exhaust within 50 feet of air intake or adversely affect the air intake of the building or structure or other buildings or structures.

### 5.12 Dismantling the System:

- 5.12.1 When a final inspection and the results of the final air tests indicate that the area has been decontaminated, HEPA Units may be removed from the work area. Before removal from the work area, remove and properly dispose of pre-filters, and seal intake to the HEPA Unit with six (6) millimeter polyethylene to prevent environmental contamination from the pre-filter.

## Chapter 6 Materials and Equipment

### 6.1 Materials:

- 6.1.1 It is the contractor's responsibility to furnish all materials and equipment to complete the asbestos removal project and all materials used for this project are subject to the following general requirements.
- 6.1.1.1 All materials delivered to the job site must be in the original packages, containers or bundles bearing the name of the manufacturer and the brand name. Replacement insulation/materials must be equivalent to those removed and in conformance with all acceptable codes, including installation.
  - 6.1.1.2 The contractor shall store all materials that are subject to damage off the ground away from wet or damp surfaces and under sufficient cover to prevent damage or contamination.
    - 6.1.1.2.1 Damaged or deteriorating materials shall not be used and shall be removed from the premises. Materials that become contaminated with asbestos shall be disposed of in accordance with all applicable regulations and procedures herein.
  - 6.1.1.3 The contractor shall provide plastic sheeting of 6- and 12-millimeter thickness in widths large enough to minimize the frequency of joints.
  - 6.1.1.4 The tape used for sealing of adjacent sheets of plastic sheeting and for attachment of plastic sheets to finished and unfinished surfaces of dissimilar material must be capable of adhering under dry and wet conditions including use of amended water.
  - 6.1.1.5 The surfactant (wetting agent) to be used consists of 50% polyoxyethylene ether and 50% polyoxyethylene/polyglycol ester or the equivalent. This shall be mixed with water to provide a concentration of one (1) ounce surfactant to five (5) gallons of water or to the manufacturer's recommendation. The Contractor shall have available a sufficient quantity of equipment to mix and spray the wetting agent.
  - 6.1.1.6 The contractor shall supply a sufficient number of appropriately labeled six (6) millimeter clear or black plastic bags or other approved containers suitable to receive and retain any asbestos containing or asbestos contaminated materials until disposal at an approved site. These bags and/or containers must be both air and watertight.
    - 6.1.1.6.1 These containers shall be labeled at a minimum in accordance with OSHA Regulation 1910.1001 and 1926.1101, and DOT Regulation 49 CFR Parts 171 & 172, Hazardous Substance: Final Rule.
    - 6.1.1.6.2 Labeled asbestos bags shall not be turned inside-out for the disposal of non-asbestos containing materials. Any material placed in a labeled asbestos bag whether inside-out or not shall be treated as ACWM.
  - 6.1.1.7 The contractor shall supply all warning signs and labels as required by OSHA regulation 29 CFR 1910.1001 and 1926.1101.
  - 6.1.1.8 The contractor shall provide (if required) an encapsulant of the bridging and/or penetrating type.
    - 6.1.1.8.1 The encapsulant selected should be able to withstand most impact or abrasion and protect the encapsulated surface.
    - 6.1.1.8.2 The encapsulant selected for use by the contractor shall be one of the types demonstrating probable effective performance in tests conducted by an independent testing laboratory.

- 6.1.1.8.3 The encapsulant shall have high flame retarding characteristics and a low toxic fume and smoke emission rating. Ratings shall be as follows:
  - ASTM 84 Flame Spread Class A
- 6.1.1.8.4 The encapsulant selected should not be noxious or toxic to application workers or to subsequent users of the building.
- 6.1.1.8.5 The encapsulant selected should have acceptable weathering and aging characteristics.
- 6.1.1.8.6 The encapsulant selected should be capable of adhering to the surfaces exposed during this removal project.
- 6.1.1.9 The contractor shall provide all other materials such as lumber, nails, hardware, etc., which may be required to construct and dismantle the decontamination area and the barriers that isolate the work area.

## 6.2 Tools and Equipment:

- 6.2.1 The contractor shall provide suitable tools for the stripping, removal, encapsulation and/or disposal activities including but not limited to: hand-held scrapers, nylon brushes, sponges, rounded edge shovels, brooms, carts, etc.
- 6.2.2 The contractor shall provide scaffolding as required to accomplish the specified work and shall meet all applicable safety regulations concerning the use of scaffolding and any open structural members on scaffolding shall be sealed to prevent incursion of asbestos.
- 6.2.3 The contractor shall also have on-site industrial dry/wet vacuums equipped with High Efficiency Particulate Air filtration approved for asbestos removal. Power tools used to drill, cut into, or otherwise disturb asbestos material shall be equipped with HEPA filtered local exhaust ventilation.
  - 6.2.3.1 These HEPA filters must be capable of 99.97% efficiency at 0.3 microns or larger.
- 6.2.4 The contractor shall have available HEPA Units capable of filtering asbestos fibers of 0.3 microns or larger at 99.97% efficiency.
  - 6.2.4.1 The contractor shall take whatever action necessary, including the installation of additional circuit breaker panel boards, if required, to ensure adequate circuits of sufficient amperage capable of powering HEPA Units uninterrupted for the duration of the project.
- 6.2.5 HEPA Units shall be maintained as per manufacturer's requirements. The contractor shall produce evidence of proper maintenance and periodic testing if requested by owner.
- 6.2.6 The contractor shall have equipment of sufficient size and capacity to remove contaminated gravel/soil when required.

## Chapter 7 Containment Barriers and Coverings of Work Area

### 7.1 Regulated Areas:

- 7.1.1 The contractor shall seal off the perimeter of the work area to completely isolate abatement areas and to contain all airborne asbestos contamination created by abatement work. Cover all surfaces of the work area to protect them from cross contamination, to facilitate more efficient clean-up, and to protect the finishes from the asbestos abatement work. Should the area beyond the seal off limits become contaminated as a consequence of the work, the contractor shall clean those areas in accordance with procedures described in this section at no additional cost to the owner.

### 7.2 Preparation Prior to Sealing-off:

- 7.2.1 Place all tools, scaffolding, staging, etc. necessary for the work in the area to be isolated prior to erection of temporary plastic sheeting enclosure. Remove all uncontaminated removable furniture, equipment, and/or supplies from the work area before commencing work, or completely cover with two layers of polyethylene sheeting at least six (6) millimeter thickness, secured in-place with duct tape. Such furniture and equipment shall be considered outside the work area unless covering plastic or seal is breached. Disable ventilating system or any other system bringing air into or out of the work area. Disable system utilizing positive means that will prevent accidental premature restarting of equipment, i.e., disconnecting wires, removing circuit breakers, lockable switch, etc. The environment of the work area shall be completely isolated from all other air flows in the building.

### 7.3 Control Access to Work Area:

- 7.3.1 The contractor shall ensure access to the work area is only through the PDF. All other means of access shall be closed off and sealed and warning signs displayed on the clean side of the sealed access. Where the work area is immediately adjacent to or within view of occupied areas, provide a visual barrier of opaque or black polyethylene sheeting at least six (6) millimeter in thickness so that the work procedures are not visible to building occupants. Where the area adjacent to the work area is accessible to the public, construct a solid barrier on the public side with nominal two-inch (2") x four inch (4") wood or metal studs on sixteen inch (16") centers, securely anchored to prevent movement, covered with minimum one half inch (1/2") plywood.
- 7.3.2 Provide warning signs at each visual and physical barrier per OSHA requirements.

### 7.4 Critical Barriers:

- 7.4.1 The contractor shall completely separate the work area from other portions of the building and the outside with sheet plastic critical barriers of at least one (1) layer of six (6) millimeter in thickness and sealed with duct tape. Individually, seal all ventilation openings (supply and exhaust), lighting fixtures, clocks, doorways, windows, convectors and speakers, and other openings into the work area with duct tape alone or with polyethylene sheeting of at least one (1) layer of six (6) millimeter in thickness, secured in-place with duct tape. Maintain seal until all work including project decontamination is completed. Take care in sealing off lighting fixtures to avoid melting or burning of plastic sheeting. Provide sheet plastic barriers at least six (6) millimeter in thickness as required to completely seal openings from the work area into adjacent areas. Seal the perimeter of all sheet plastic barriers with duct tape or spray adhesive or additional means as necessary and with owner approval.

### 7.5 Primary Barriers:

- 7.5.1 The contractor shall clean all contaminated furniture, equipment and supplies when present with a HEPA vacuum cleaner or wet cleaning, as specified in this section, prior to being moved or covered. Clean all surfaces in work area with HEPA vacuum or by wet wiping prior to the installation of any sheet plastic.

- 7.5.1.1 The entire work area is enclosed from non-work areas with 2 of six (6) millimeter polyethylene sheeting. When applicable, cover floor of the work area with two (2) individual layers of clear polyethylene sheeting, each at least six (6) millimeters in thickness, turned up walls at least 12 inches (12"). Form a sharp right angle, bend at junction of floor and wall so that there is no radius which could be stepped-on causing the wall attachment to be pulled loosened or breached. Use both spray adhesive and duct tape on all seams in floor covering. Locate seams top layer at right angles to seams in bottom layer. Install sheeting so that top layer can be removed independently of bottom layer. Cover carpets and wood floors with additional polyethylene as necessary. Remove all electrical and mechanical items, such as lighting fixtures, clocks, diffusers, registers, escutcheon plates, etc., which cover any part of the surface to be worked on. Cover all walls in work area including critical barrier sheet plastic barriers with 2 layers of polyethylene sheeting, at least six (6) millimeters in thickness, mechanically supported and sealed with duct tape or spray adhesive in the same manner as "critical barrier" sheet plastic barriers. Tape all joints including those joining with the floor covering. It is the contractor's responsibility to protect all surfaces, such as wood floors and carpets, from damage.
- 7.5.1.2 Elevator: When applicable cover walls, floor and ceiling of elevator with two (2) layers of six (6) millimeter polyethylene. Arrange entry to work area so that the elevator door is in a positively pressurized space outside the clean room of the decontamination unit. At completion of work the elevator shall be cleaned as per this specification.
- 7.5.1.3 Stairs and Ramps: Where stairs or ramps are covered with plastic, provide three quarter inch (3/4") exterior grade plywood treads securely held in place over plastic. Do not cover stairs or ramps with unsecured sheet plastic. Do not cover rungs or rails with any type of protective materials.

## 7.6 Extension of Work Area:

- 7.6.1 If the enclosure barrier is breached in any manner that could allow the passage of asbestos debris or airborne fibers, then, where possible, add the affected area to the work area. Enclose it as required by this section and decontaminate it as described elsewhere in this specification. If contaminated area cannot be added to the work area, decontamination measures shall start immediately after contamination is discovered and all abatement work will stop in the work area. Decontamination procedures will continue until exposure returns to background levels.

## 7.7 Secondary Barriers:

- 7.7.1 If required, provide an additional layer of plastic as a drop cloth to protect the primary layer from debris generated by the asbestos abatement work. Replace as necessary, but once a shift at a minimum.

## Chapter 8 Work Area Preparation

### 8.1 Preliminary Procedures:

- 8.1.1 The contractor shall be responsible for preparing the entire work area for asbestos removal. This includes preliminary work area preparation, work area isolation and worker decontamination systems. Workers shall be fully protected with respirators and protective clothing during the preparation phase of the work area and immediately prior to the first disturbance of asbestos containing or asbestos contaminated materials and until clean-up is completed. Preliminary work area preparations are subject to the following procedures.
- 8.1.1.1 The contractor shall provide temporary power and lighting and ensure safe installation of temporary power sources and equipment as per OSHA regulations for temporary electrical systems.
- 8.1.1.2 The contractor shall ensure that all furniture, machinery, equipment, draperies, blinds, etc., which the owner is required to remove have been removed prior to pre-clean. When movable objects are within the work area pre-clean using HEPA filtered vacuum equipment and/or wet wiping methods as appropriate. Remove such items from the work area and store in a location to be determined by the owner.
- 8.1.1.3 Shutdown and lock-out all electrical circuits. The contractor shall provide temporary power and lighting to all work areas when needed. Exact electrical arrangements will be tailored to the particular space and systems involved. All electrical circuits will be turned off at the electrical panel box outside the removal area. Potential for electrical shock is a major threat to life in a work area where water will be sprayed on ceilings, conduits, lighting fixtures and other electrical items. Electrical lines which are used to power work lights and equipment will conform to all electrical safety standards and will be protected by a ground fault interrupter. The owner may monitor shutdown.
- 8.1.1.4 Positive pressurization shall be restricted to circumstances where HVAC must service the remainder of the building or structure and the HVAC equipment is in the work area or the ducts run through the work area. The appropriate HVAC duct and plenum outlets, inlets and exhaust dampers shall be sealed with sheathing and caulking, covered with a double layer of at least six (6) mil plastic sheeting and taped airtight. The HVAC duct and plenum joints shall be taped airtight. The mixing and balancing damper positions shall be altered, and the return fan(s) shall be shut down to produce the required positive pressures. The supply fan(s) shall be placed in a manual "on" position to prevent shut down by fail safe mechanisms. Precautions shall be taken during abatement activities to ensure that the ducts, seals and static pressure lines are not damaged.
- 8.1.1.5 Contaminated HVAC filters shall be handled and disposed of as ACWM. The ducts and filter assembly shall be wet cleaned and/or HEPA vacuumed where system air samples and/or dust samples indicate asbestos contamination.

### 8.2 Other Work Areas:

- 8.2.1 When abatement is to be performed within a boiler room, mechanical room, and/or electrical transfer rooms, equipment shall be shut down and the accesses and breeches shall be sealed until abatement is completed and satisfactory air monitoring results have been achieved.
- 8.2.2 Elevators running through the work area shall be shut down except as noted herein:
- 8.2.2.1 In projects where the elevator cannot be shut-down, the hoist-way door frames shall be enclosed with nominal 2" x 4" framing, sixteen (16) inches center-to-center, covered with five-eighths ( $\frac{5}{8}$ ) inch sheathing, preferably plywood or similar building material and caulked at all seams. The enclosures shall be covered with two (2) seamless layers of at least six (6) mil

plastic sheeting taped airtight. A final larger layer of at least six (6) mil plastic sheeting shall be taped air-tight, but with slack, forming a larger perimeter diaphragm to sense air movement caused by elevator operation.

- 8.2.2.2 Elevator shaft ports for pressure equalization when within the work area, shall be vented to the outside or non-working area using oversized solid-walled ducts or chambers constructed of a minimum of three-eighths ( $3/8$ ) inch sheathing over nominal two-inch (2") x four-inch (4") framing, sixteen inches (16") center-to-center. The joints shall be caulked, and the ducts or chambers shall be sealed with two (2) layers of at least six (6) mil plastic sheeting and duct tape. This system shall be subjected to and pass a negative pressure test daily.

### 8.3 Glove Bag or Mini-Containment Projects:

- 8.3.1 All project areas shall be vacated by the occupants prior to work area preparation and until full abatement has been achieved.
- 8.3.2 The project area shall be isolated by cordoning it off with barrier tape and shall be accessible through only one entrance/exit.
- 8.3.3 Caution signs shall be posted at any location and approaches to a location wherever airborne concentrations of asbestos may exceed ambient background levels. Signs shall be posted that permit a person to read the sign and take the necessary protective measures to avoid exposure.

### 8.4 Pre-abatement Settling Period:

- 8.4.1 Upon completion of the construction of all plastic barriers and decontamination systems, but prior to actual abatement activities, adequate time shall be allowed to ensure that barriers settle in-place and remain intact.

### 8.5 Inspection of Barriers:

- 8.5.1 All plastic barriers including decontamination facilities shall be inspected at least twice a day by the abatement supervisor with observations entered in the daily log. Repair any damage immediately.

### 8.6 Testing of Barriers:

- 8.6.1 With the HEPA Units in operation, the abatement supervisor shall use smoke tubes to test work area barriers and enclosures. This shall be done prior to beginning abatement and once a day thereafter until clearance has been obtained. Record findings in the daily log.

## Chapter 9 Worker Decontamination

### 9.1 Contractor's Written Decontamination and Work Procedures:

- 9.1.1 The PDF shall be provided outside the work area and attached where persons will enter or exit the work area. The contractor shall supply written decontamination and work procedures, to be posted in the clean room of the PDF.

### 9.2 Entering Work Area:

- 9.2.1 All personnel entering the work area shall adhere to the following procedures:
- Personnel shall remove all clothes and put on protective disposable coveralls.
  - Personnel shall put on clean respirators.
  - Personnel then may enter the work area.
  - No clothing other than disposable coveralls shall be worn into the work area and subsequently be removed from the work area (i.e., all clothing worn into the work area shall be treated as asbestos waste.)

### 9.3 Decontamination Procedures:

- 9.3.1 Personal decontamination procedures shall be followed by all personnel (workers and visitors) each time they leave the work area per Chapter 3 - Worker Protection, Section 3.4 Decontamination Procedures.

### 9.4 Activities Not Permitted:

- 9.4.1 Workers and visitors shall not eat, drink, smoke or chew gum or tobacco in the clean room. The clean room shall not be used for equipment or tool storage or as an office.

### 9.5 First Disturbances:

- 9.5.1 Workers shall be fully protected with respirators and protective clothing during the preparation phase of the work area and immediately prior to the first disturbance of asbestos-containing or asbestos contaminated materials and until clean-up is completed.

### 9.6 Posting of Signs:

- 9.6.1 The entrance of the clean room should have a lockable door that has a sign in English, Spanish, and any/all other appropriate languages that may be required that reads:

**DANGER  
ASBESTOS  
CANCER AND LUNG DISEASE HAZARD  
AUTHORIZED PERSONNEL ONLY RESPIRATORS AND  
PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA**

- 9.6.2 Signs shall be posted at all entrances to the work area including all sealed entrances.

### 9.7 Inspection of Work Area and Decontamination Enclosures:

- 9.7.1 It is the contractor's responsibility to contact the owner upon completion of the enclosure system. The following applies: Prior to any asbestos containing material being removed, the contractor shall notify the owner that the enclosure system is completed so that it may be inspected.

- 9.7.2 All plasticizing and sealing of work area, building of worker and equipment decontamination enclosure systems, preparation of the negative air system, and all equipment required for the project shall be completed, tested and properly stored or placed prior to notification of the owner.

## 9.8 Maintenance of the Work Area and the Decontamination Enclosure

- 9.8.1 It is the contractor's responsibility to maintain the work area and decontamination systems.

## Chapter 10 Removal of ACM and/or PACM

### 10.1 Competent Person Supervision:

- 10.1.1 All Class I and II Work (as defined by OSHA), including installation and operation shall be supervised by a competent person as defined in 29 CFR 1926.1101. ACM and/or PACM removal work areas are specified in Section 2 of the bid document.

### 10.2 Wetting Materials:

- 10.2.1 Provide water to which a surfactant has been added. Use a mixture of surfactant and water which results in wetting of the ACM and/or PACM and retardation of fiber release during disturbance of the material.
- 10.2.2 Provide a penetrating type encapsulant designed specifically for removal of ACM and/or PACM. Use a product which results in encapsulating of the ACM and/or PACM and retardation of fiber release during disturbance of the material.
- 10.2.3 During removal procedures involving amosite/crocidolite, special care must be taken to ensure proper wetting.

### 10.3 Wet Removal of ACM and/or PACM:

- 10.3.1 Thoroughly wet ACM and/or PACM to be removed prior to stripping and/or tooling to reduce fiber dispersal into the air. Use a fine spray (mist) of amended water or penetrating encapsulant. Saturate material sufficiently to wet to the substrate without causing excess dripping. Allow time for water or penetrating encapsulant to penetrate material thoroughly. If amended water is used, spray material repeatedly during the work process to maintain a continuously wet condition. If a penetrating encapsulant is used, apply in strict accordance with manufacturer's written instructions. Perforate outer covering of any insulation which has been painted and/or jacketed in order to allow penetration of amended water or penetrating encapsulant, or where necessary, carefully strip away while simultaneously spraying amended water or penetrating encapsulant on the installation to minimize dispersal of asbestos fibers into the air.
- 10.3.2 If ACM and/or PACM does not wet well with amended water because it is coated or thick, remove as follows:
  - 10.3.2.1 Mist work area continuously with amended water whenever necessary to reduce airborne fiber levels.
  - 10.3.2.2 Remove saturated ACM and/or PACM in small sections from all areas. Do not allow material to dry out. As it is removed, simultaneously pack material while still wet into disposal bags. Twist neck of bags, bend over and seal with minimum three wraps of duct tape. Clean outside and move to wash down station adjacent to material decontamination facility.
  - 10.3.2.3 Window glazing and window caulking removal work has been classified as OSHA Class II work and will be conducted by removing the materials within a regulated area utilizing hand tools and wet removal techniques. The Contractor shall perform all removal work in a manner so as to minimize damage to the caulking/glazing/insulation/backing. The Contractor shall perform all removal work in a manner so as to minimize damage to these materials. Contractor shall initially barrier tape each Work area to identify the regulated space. Double suiting procedures may be used, and there will be no mandatory showering. Decontamination zones will be established to accommodate the abbreviated double-suiting decontamination procedures. At a minimum, double suiting decontamination procedures will consist of vacuuming outer suit and wet wiping respirators and exposed skin within a designated decontamination area within the regulated area, removing and disposing the outer suit, then moving out to a designated decontamination area outside the regulated area and repeating

the same procedure, then removing and disposing the inner suit. All suits will be disposed of as ACM waste. Prepping for this work shall include a drop cloth below each Work area. Contractor shall maintain a clean drop cloth adjacent to the work areas for decontaminating personal protective equipment and tools. For glazing work, prior to removal, window glazing shall be sealed with spray glue and duct tape. Upon removal, windows shall be placed in a poly-lined demolition waste dumpster for disposal. These materials shall be taken to an EPA approved landfill that accepts regulated asbestos-containing waste materials. No critical barriers or negative pressure containments are required providing the materials remain intact, but work areas do need to be regulated. Contractor shall maintain a clean drop cloth adjacent to the work areas for decontaminating the worker, personal protective equipment and tools. Waste shall be double wrapped in 6 mil polyethylene sheeting and disposed of as ACM. Work areas shall be cleared with the Contractor having successfully passed a visual inspection by the Owner's on-site Representative. Contractor shall install plywood or a plywood equivalent over window openings for security purposes.

- 10.3.2.4 The waterproofing material removal work has been classified as OSHA Class II work and will be completed within a containment and conducted in a such a manner so as the stated quantities of material are removed as intact as possible using hand tools and wet removal techniques. Contractor may either ensure material is removed from the walls or the sheetrock walls are removed are removed as intact as possible and waste containerized. These materials shall be taken to an EPA approved landfill that accepts regulated asbestos-containing waste materials. Prepping for this Class II work shall include critical barriers. Contractor shall maintain a three-stage decontamination unit adjacent to the work areas. Contractor shall remove polyethylene sheeting in barrier locations (excluding critical barriers) prior to non-aggressive PCM final clearance sampling and analysis (air sampling may or may not be completed). If work is conducted within a negative pressure containment where other asbestos-related work is being conducted, the more stringent personal protective measures shall apply. Waste shall be double wrapped in 6 mil polyethylene sheeting and disposed of as ACM.
- 10.3.2.5 Trace asbestos containing mudded pipe fittings: This removal work shall be completed as OSHA removal activity utilizing wet removal and prompt cleanup. Remove outer layer of pipe wrap while spraying amended water in order to saturate ACM and/or PACM. Spray with a fine mist of amended water or penetrating encapsulate. Allow time to saturate material to substrate. Cut bands holding performed pipe insulation, silt jackets at seams, remove and hand place in a disposal bag. Remove job molded fitting insulation in chunks and hand place in a disposal bag. Do not drop to floor. Remove any residue on pipe or fitting with stiff bristle nylon hand brush or scraper/wire brush. In locations where pipe fitting insulation is removed from pipe insulated with non-asbestos containing material, remove approximately 6 inches (6") of the non-asbestos containing material adjacent to ACM removed.
- 10.3.2.6 Contractor may not perform wrap/cut removal without approval from Owner. Should approval be granted, Contractor shall wrap insulated piping, duct, and elbows/fittings in two layers of 6-mil polyethylene sheeting, candy stripe with duct tape, and cut into manageable sections after glove bag removal is sufficient to allow for cutting to take place. Contractor is cautioned that this wrap and cut method may not be feasible on this project. Contractor shall note that written approval from Owner's Representative is **MANDATORY** prior to any wrap and cut work, and preparatory methods shall be the same as for glove bag. As an alternative to glove bag removal, Contractor may wrap insulated piping, duct, and elbows/fittings in two layers of 6-mil polyethylene sheeting, candy stripe with duct tape, and cut into manageable sections after glove bag removal is sufficient to allow for cutting to take place. Contractor is cautioned that this wrap and cut method may not be feasible on this project. Contractor shall obtain approval from Owner's Representative prior to any wrap and cut work.

#### 10.4 Limited Removal of ACM and/or PACM with Glove Bag: (NOT APPLICABLE)

- 10.4.1 If any conflict between the below supplied information and OSHA 1926.1101 arises, OSHA 1926.1101 shall apply. In using the glove bag method for removing pipe insulation, decontamination procedures may not be required. However, disposable clothing, respirators, critical barriers and negative air may be required. Discard the clothing in accordance with applicable regulations. Glove bags will be utilized in work areas specified in Section 2 of the bid document.
- 10.4.1.1 The negative air requirement may be satisfied in either of two ways:
- 10.1.1.1.1 Create negative air in the glove bag, relative to the room; or
- 10.4.1.1.2 Create negative air in a "mini containment" relative to outside the "mini containment."
- 10.4.1.2 The former can be accomplished using a powered HEPA vacuum source. **Caution:** If too much vacuum is achieved, the glove bag may collapse.
- 10.4.2 Procedures are as follows.
- 10.4.2.1 Prior to any glove bag ACM and/or PACM removal:
- 10.4.2.1.1 Turn off heating, ventilation and air conditioning systems in work area. Provide temporary heating and cooling as required. Critical barrier all openings and cover entrance with a polyethylene flap.
- 10.4.2.1.2 Polyethylene sheets (10' x 10' - 6 millimeter minimum) shall be used as drop cloths on the floor or platform under glove bag removal.
- 10.4.2.1.3 Purchase or fabricate bags of 6 millimeter (minimum) thick clear plastic material. Have present in the work area all materials and equipment for installation of glove bags and the removal and disposal of asbestos.
- 10.4.2.1.4 Have for each individual project both an emergency bag repair and an emergency "spill" plan for the entire work area.
- 10.4.2.2 Install the glove bag according to the manufacturer's recommendations. At completion of the installation, conduct a smoke test to confirm that there are no leaks at any of the seals.
- 10.4.2.3 Cut the material covering along the top seam and begin wetting the material. Cut covering all around the section to be removed. Remove ACM and/or PACM in small sections. Lower the material gradually into the glove bag. Do not permit material to drop. Dropping material is more likely to cause loss of glove bag seal.
- 10.4.2.4 Remove approximately 6 inches (6") of the non-asbestos containing material adjacent to ACM removed. Wash pipe clean.
- 10.4.2.5 Provide HEPA filter vacuum. Run vacuum during cutting, removal and to clean area after removal.
- 10.4.2.6 When ACM covered piping and fittings are to demolished and removed from the work area, wet the section of piping and pipe fitting(s) to be removed, wrap with 6 millimeter polyethylene sheets, cut out the entire pipe section including pipe fitting(s) in such a way to minimize damage, seal the cut ends and place in labeled container for transporting to approved disposal site.
- 10.4.2.7 Where piping and/or fitting(s) are to remain, remove the asbestos from the pipe fitting and pipe section with a 6-millimeter plastic glove bag as follows:
- Spray asbestos with amended water to enhance penetration.
  - Remove saturated asbestos material in small sections with tools in bag by teams, on staging platforms, if needed.

- Spray exposed pipe with amended water and clean with a nylon brush to ensure that no insulation materials remain on the pipe or joint.
  - Spray the inside of the glove bag with water to ensure that there are no airborne asbestos fibers.
  - Following removal of the ACM and/or PACM insulation, ensure that all visible material is inside the glove bag.
  - Spray all tools in the glove bag with amended water while it is still attached.
  - Pull one of the gloves inside out to the outside of the glove bag and place cleaned tools in the glove.
  - Twist and tie off the glove in two places to facilitate keeping both the tools and the glove bag sealed as the glove is cut between the ties to remove the glove.
  - Immerse the glove holding the tools in water. Remove the tools from the immersed glove and re-clean the tools.
  - Evacuate the glove bag with a portable HEPA vacuum and while the bag is collapsed, squeeze bag below tool pouch, and twist bag. Seal bag with tape or locking ties, separating the waste from the removal area.
  - Vacuum the inside of the top of the glove bag and unsealed portion of the glove bag below. Keep HEPA vacuum connected until the glove bag is removed.
  - Cut the glove bag along the top and sides, then remove from the pipe.
  - Wet pipe and wash the removal area thoroughly. Dispose of glove bag, material and disposable equipment at an approved disposal site.
- 10.4.2.8 Packed and sealed containers with the required labeling shall be delivered, by the contractor, to an approved disposal site. Labels and all necessary signs shall be in accordance with EPA and OSHA regulations.
- 10.4.3 Final Clearance and Removal:
- 10.4.3.1 Encapsulate surfaces formerly covered with ACM and/or PACM using a colored encapsulant that will be readily visible when dry.
  - 10.4.3.2 Following this encapsulation, the immediate area around the removal location, including all poly sheets, shall be wet wiped with amended water and HEPA vacuumed.
  - 10.4.3.3 Critical barriers at a given work area may only be removed after air-clearance is achieved in the work area as determined by either PCM or TEM air clearance methods. Section 2 of the bid document will provide details of clearance methods for each work area.
  - 10.4.3.4 In the event that air clearance fails, re-cleaning is required using HEPA vacuuming and wet wipe cleaning the work area and re-taking air clearance sampling. These steps must be repeated alternately until the air clearance is achieved. Only then can critical barriers be removed.
- 10.4.4 Worker Protection:
- 10.4.1.1 An exposure assessment must be performed if workers are exposed to airborne asbestos fibers. Workers shall shower immediately after removal and proper disposal of work cloths. Glove bag workers shall wear full respiratory protection and protective clothing.
- 10.4.5 Personnel Decontamination Unit:
- 10.4.5.1 If wet decontamination is to be used, see section 3.4 "Decontamination Procedures." The following describes use of dry decontamination procedures typically used in glove bag operations.
    - 10.4.5.1.1 Require all persons, without exception, to pass through this decontamination sequence for exiting from the work area for any purpose.

- 10.4.5.1.2 Workers enter the work area wearing disposable coveralls and respirator.
- 10.4.5.1.3 One worker or supervisor shall use the brush attachment on the HEPA vacuum to vacuum another worker or supervisor who will then reciprocate in kind.
- 10.4.5.1.4 While still wearing respiratory protection, each worker or supervisor shall remove their coverall suit, turning it inside out while removing it. Roll up the suit, pack it in the hood and place the suit in a disposal bag. Then HEPA vacuum one another a second time.
- 10.4.5.1.5 After each worker or supervisor has disposed of their coverall suit, HEPA evacuate the air from the disposal bag and twist the bag shut forming a neck. Triple wrap the bag with duct tape. Bend the neck back into itself (goose neck it) and seal the bag with a triple wrap of duct tape.
- 10.4.5.1.6 If using PAPR, shut down by first capping inlets to filter cartridges. Then turn off the blower unit. Thoroughly wash the blower unit and hoses. Carefully wash the battery pack with a wet rag. Be extremely cautious to avoid getting water in the battery pack, as that would cause the pack to short out and would destroy the battery. Wash the respirator facepiece inside and out. At the completion of these steps, thoroughly wash face and hands with soap and water.

#### 10.5 Removal of Vinyl Asbestos Floor Tile (VAT) and Associated Mastic:

- 10.5.1 Remove vinyl asbestos floor tile (VAT) and associated asbestos containing mastic in accordance with these specifications and OSHA 1926.1101. VAT and associated asbestos containing mastic removal work areas are specified in Section 2 of the bid document.
- 10.5.2 When VAT and associated asbestos containing mastic is to be removed and such VAT and associated asbestos containing mastic is in a work area, remove the primary barriers from the floor only but not the walls, and remove VAT and associated asbestos containing mastic so that it does not become friable during removal. After removal of VAT and associated asbestos containing mastic, proceed with decontamination and final inspection and if required by contract documents air testing of the work area. Clearance requirements are stated in Section 2 of the bid document.
- 10.5.3 Where VAT and associated asbestos containing mastic is the only ACM and/or PACM to be removed in a room, the room shall be secured against entry by any unauthorized or untrained personnel. Post warning signs and erect temporary barricades. The removal shall be executed under the guidance and monitoring of the C.P.I.H. so that the non-friable VAT and associated asbestos containing mastic does not become friable during removal. After removal of VAT and associated asbestos containing mastic, the C.P.I.H. shall perform a final inspection of the room. Clearance requirements are stated in Section 2 of the bid document.
- 10.5.4 Removal of VAT and associated asbestos containing mastic shall be performed with wet methods and hand scrapers. Heating and/or the application of dry ice may be used also. Power tools, grinders or other machines which may produce any dust during removal of VAT and associated asbestos containing mastic are not allowed.

#### 10.6 Removal of Fire Doors, Elevator Doors, and Cementitious (Transite™) Contact Switches

- 10.6.1 Remove asbestos-containing fire doors, asbestos-containing elevator doors, and asbestos-containing cementitious (transite™) contact switches associated with electrical panels in accordance with these specifications and OSHA 1926.1101. Areas shall be properly demarcated per OSHA during all work activities.
- 10.6.2 Prior to removing asbestos-containing cementitious (transite™) contact switches associated with electrical panels, ensure that all electrical systems have been completely de-energized.

- 10.6.3 Remove asbestos-containing fire doors, asbestos-containing elevator doors, and asbestos-containing cementitious (transite™) contact switches intact. Double wrap and seal asbestos-containing fire doors, asbestos-containing elevator doors, and asbestos-containing transite™ contact switches with two (2) layers of 6-mil polythethylene, adhere asbestos danger labels on each sealed component, and dispose of as ACM.

## 10.7 Removal of Window Glazing and Window Caulk

- 10.7.1 Asbestos-containing window glazing and caulk shall be removed wet and utilizing hand tools. Mechanical removal means with respect to the asbestos-containing caulking and mastic is strictly prohibited.
- 10.7.2 Areas shall be properly demarcated per OSHA during all work activities. For exterior work Install poly barriers consisting of 2 layers of 6 mil polyethylene sheeting on the interior side of the window or door opening. Proper OSHA asbestos warning demarcation must be installed on each barrier.
- 10.7.3 Place two layers of 6 mil polyethylene sheeting beneath all window, mirror, building and door work to act as a "drop cloth". Drop clothes must be secured with tape to prevent slip hazards and must extend a minimum of 8 feet in all possible horizontal directions beneath the extent of the work area.
- 10.7.4 Wet with amended water and remove asbestos caulking/glazing materials using hand tools while attempting to minimize disturbance to the caulking/glazing materials.
- 10.7.5 All wetted asbestos-containing waste caulking/glazing must be immediately bagged for disposal and shall not be allowed to dry-out and accumulate within the work area.
- 10.7.6 All sharp objects attached to framing, such as nails or sharp wooden ends shall be removed prior to placing in disposal bags or being wrapped such that they do not puncture disposal containers as well as preventing injuries. Sharp objects which may have asbestos caulking attached must be cleaned of any caulking prior to proper disposal.
- 10.7.7 All wetted caulking/glazing/mastic waste shall be placed in two 6 mil polyethylene asbestos disposal bags. Larger objects (i.e., wood framing) which will not fit into disposal bags shall be double wrapped (individually sealed) with two layers of 6 mil polyethylene sheeting. All bags/wrapped components must bare appropriate EPA/OSHA/DOT required labels.
- 10.7.8 The Contractor shall remove, with wet methods (amended water), all residual asbestos-containing caulk which may adhere to the building's exterior surface/façade around the window or door opening.
- 10.7.9 All surfaces such as windowsills, including equipment {e.g. scaffolding} shall be HEPA vacuumed and wet wiped.
- 10.7.10 Surfaces remain shall be cleaned of all residual asbestos-containing caulk/glazing. All surfaces which have been HEPA vacuumed and wet-wiped, must be determined by the Competent Person to be visually free of asbestos-caulking/glazing and associated debris.
- 10.7.11 All polyethylene "drop cloths" must be HEPA vacuumed first and then placed in two 6 mil polyethylene disposal bags.
- 10.7.12 The grounds/floors beneath all work must be checked for debris that may have become dislodged during removal. All such debris must be properly wetted and placed in disposal bags as asbestos-containing.
- 10.7.13 The Contractor's Competent Person shall ensure that the work area is kept clean at all times and free of accumulated debris, as well as safety/trip hazards.
- 10.7.14 Window/door openings and immediate building and ground surfaces must be visually free of asbestos-caulking/glazing materials and associated debris.

## 10.8 "Lock-back" Encapsulant:

- 10.8.1 Lock-back encapsulant is an integral part of ACM and/or PACM removal. At the conclusion of ACM and/or PACM removal and before removal of the primary barriers all surfaces shall be encapsulated with a bridging type encapsulant. When dry, lock-back encapsulant shall be of such color that it can be easily seen.

- 10.8.2 Deliver encapsulant to the job site in original, new and unopened packages and containers bearing the manufacturer's name and label, thinning instructions and application instructions. A copy of the OSHA material safety data sheet (MSDS) for the encapsulant is required to accompany the encapsulant.
- 10.8.3 Before beginning work read the encapsulant MSDS and provide workers with the required protective equipment. Require that appropriate protective equipment be used at all times. In addition to protective breathing equipment required by OSHA requirements or by this specification, use painting pre-filters on respirators to protect the dust filters when organic solvent based encapsulants are in use.
- 10.8.4 Apply two (2) coats of encapsulant to the exposed surfaces after all ACM and/or PACM has been removed. Apply in strict accordance with the manufacturer's printed instructions for use of the encapsulant.
- 10.8.5 Apply encapsulant with an airless spray gun and nozzle orifice as recommended by the encapsulant manufacturer or by hand wiping methods. Apply the first coat encapsulant while the scratch coat or piping is still damp from the asbestos removal procedures. If the surface has been permitted to dry, wet wipe or vacuum surface with a HEPA filtered vacuum prior to spraying with the encapsulant. Apply second coat over the first coat in strict conformance with the manufacturer's instructions.
- 10.8.6 Seal edges of ACM and/or PACM exposed by removal at inaccessible ports such as a sleeve, wall penetration, etc. with two (2) coats of encapsulant. Prior to sealing, permit the exposed edges to dry completely to permit penetration of the encapsulant.

## Chapter 11 Monitoring, Inspection and Testing

### 11.1 General:

- 11.1.1 The contractor shall perform throughout abatement work monitoring, inspection and testing inside the work area in accordance with OSHA requirements and this specification. The C.P.I.H. shall periodically inspect and oversee the performance of the contractor's workers. The C.P.I.H. shall continuously inspect and monitor conditions inside the work area to ensure compliance with this specification. In addition, the C.P.I.H. shall personally manage air sample collection, analysis and evaluation for personnel samples to satisfy OSHA requirements.
- 11.1.2 The owner may employ an independent industrial hygienist to perform various consulting services on behalf of the owner. The independent industrial hygienist will perform monitoring, inspection, testing, and other support services to ensure that the abatement work proceeds in accordance with this specification and that the abated areas have been successfully decontaminated. The work of the independent industrial hygienist will in no way relieve the abatement contractor from their responsibility to perform their work in accordance with contract documents, to perform continuous inspection, monitoring and testing for the safety of their employees, and to perform other such services as specified in this specification. The cost of the independent industrial hygienist and his services will normally be borne by the owner. Exceptions include repeat final inspections and final testing that may be required due to unsatisfactory results. Costs associate with repeated final inspections and testing, if required, will be paid for by the contractor.
- 11.1.3 If fibers counted by the independent industrial hygienist during abatement work outside the work area utilizing NIOSH 7400 air monitoring methods exceed the specified respective limits (i.e. permissible exposure limit), then the contractor shall stop work. The asbestos contractor may request confirmation of above results by analysis of samples with TEM. Request must be in writing and submitted to the owner. Cost for the TEM confirmation of results will be borne by the contractor for both the collection and analysis of samples, and for the time delay that may result, for this confirmation.

### 11.2 Monitoring, Inspection and Testing by Abatement Contractor:

- 11.2.1 The C.P.I.H. is responsible for managing all personnel monitoring, inspecting and testing required by this specification, the OSHA regulation 29 CFR 1926.1101, and for continuous monitoring of all sub-systems and procedures affecting the safety of the contractor's employees. Safety of the contractor's employees and providing safe conditions inside and outside the work area shall be the primary concern of the C.P.I.H. The analytical laboratory that will be used by the contractor to analyze the personal air samples shall participate in the PAT rounds, at a minimum. Keep a daily log of personal samples taken and analyzed and make such log available to the owner. The daily log for personnel shall contain information on the person sampled, the date of sample collection the time of sample start and finish, flow rate, sample volume and fiber/cc. Collect and analyze personal samples for at least twenty percent (20%) of the workers on each shift.

## **Chapter 12 Project Decontamination**

### **12.1 General:**

12.1.1 The entire work of project decontamination shall be monitored by the owner.

### **12.2 Work Area Clearance:**

12.2.1 Air testing and other requirements which must be met before release of the contractor and re-occupancy of the work area are specified elsewhere in this specification.

### **12.3 Work Description:**

12.3.1 The work of decontamination includes the decontamination of the air within the work area and the decontamination and removal of project equipment and temporary facilities installed prior to abatement work including primary and critical barriers, Decontamination facilities (PDF and EDF) and negative pressure systems.

12.3.2 The work of decontamination includes the cleaning, and decontamination of all surface's ceilings, walls, floor, etc. of the work area, and all equipment in the work area.

### **12.4 Pre-Decontamination Conditions:**

12.4.1 Before decontamination work starts, all ACM and/or PACM, ACE, secondary barriers (drop cloths) of polyethylene sheeting, and ACWM shall be removed and disposed along with any gross debris generated by the work.

12.4.2 At the start of work for decontamination, the following will be in place:

12.4.2.1 Primary barrier consisting of two (2) layers of polyethylene sheeting on floor and 2 layers on walls.

12.4.2.2 Critical barriers which forms the sole barrier between the work area and other portions of the building or the outside.

12.4.2.3 Critical barrier sheeting over lighting fixtures and clocks, ventilation openings, doorways, convectors, speakers and other openings.

12.4.2.4 Decontamination facilities for personnel and equipment and negative air pressure system are operating.

### **12.5 First Cleaning:**

12.5.1 Carry out a first cleaning of all surfaces of the work area including items of remaining sheeting, tools, scaffolding and/or staging by use of damp-cleaning and mopping, and a HEPA filtered vacuum. Do not perform dry dusting or dry sweeping. Use each surface of a cleaning cloth one time only and then dispose of as ACWM. Continue this cleaning until there is no visible debris from removed materials or residue on plastic sheeting or other surfaces. Replace pre-filters in HEPA unit(s) and dispose of as ACWM. If two (2) wall layers of poly are used, the cleaned, exposed layer of poly shall be removed from walls and floors and disposed of ACWM. If only one layer of wall poly is used, it shall remain in place until after the second cleaning. Use oscillating fans as necessary to assure circulation of air in all parts of the work area during this period.

### **12.6 Pre-clearance Inspection and Testing:**

12.6.1 The owner will perform a thorough and detailed visual inspection at the end of the first cleaning to determine whether there are any signs of visible ACM and/or PACM or dust in the work area. If the visual inspection is satisfactory, the owner will notify the contractor that the work area is ready for

lock-back encapsulation. The owner reserves the right to utilize their own independent industrial hygienist to perform a pre-clearance inspection and air sampling for verification.

### 12.7 Lock-back Encapsulation:

- 12.7.1 With the express permissions of the owner, perform a lock-back encapsulation of all surfaces from which ACM and/or PACM was removed. Execute in accordance with provisions specified elsewhere in this specification. Maintain negative pressure in work area during encapsulation work. Wait 24 hours to allow HEPA Units to clean air of airborne fibers after lock-back encapsulation has been applied.

### 12.8 Second Cleaning:

- 12.8.1 Following the lock-back encapsulation and after the required waiting period, perform a thorough cleaning of all surfaces of the work area in the same manner as the first cleaning. Immediately following the second cleaning, remove all primary barrier sheeting and EDF, leaving only:
  - 12.8.1.1 Critical barrier which forms the sole barrier between the work area and other portions of the building or the outside.
  - 12.8.1.2 Critical barrier sheeting over lighting fixtures and clocks, ventilation openings, doorways, convectors, speakers and other openings.
  - 12.8.1.3 Decontamination facilities for personnel in operating condition.
  - 12.8.1.4 Negative pressure system in continuous operation.
  - 12.8.1.5 Allow 24 hours to elapse after the second cleaning to allow HEPA Units to clean the air of fibers.

### 12.9 Aggressive Air Cleaning:

- 12.9.1 After the required waiting period which follows the second cleaning, an air stream from a high-speed leaf blower or equivalent device shall be swept across all surfaces within the work area for a period of not less than five (5) minutes for each 1,000 square feet of surface area. Allow 24 hours to elapse after the aggressive air cleaning to allow HEPA Units to clean the air of fibers. Final clearance sampling may be conducted as per Chapter 14.

### 12.10 Additional Cleaning and Waiting Periods:

- 12.10.1 If final air clearance fails, carry out a third cleaning of all surfaces in the work area in the same manner as the first cleaning. The cleaning is now being applied to existing room surfaces. Take care to avoid water marks or other damage to surfaces. The HEPA Units shall be in continuous operation and critical barriers and the decontamination units remain in place and operational.
- 12.10.2 Federal, state, and local regulations may require waiting periods after a failed clearance and before re-sampling of air. The most stringent regulations apply. Use oscillating fans as necessary to assure circulation of air in all parts of work area during the waiting period. Maintain negative pressure system in operation. Where waiting periods are not required by federal, state, or local regulations or by contract, the owner and contractor may agree to shorten waiting periods. However, the contractor is responsible for the results of final air clearance regardless of the amount of waiting period selected.

### 12.11 Final Clean-up:

- 12.11.1 All accumulations of ACWM shall be containerized and removed from the work area.
- 12.11.2 All decontaminated tools and equipment shall be removed from the work area.
- 12.11.3 All containerized waste shall be removed from the work area and the holding area.

12.11.4 All surfaces in the work area shall be wet cleaned using rags, mops and sponges. HEPA vacuums shall be used to clean all surfaces after gross clean-up. The work area should be ready for re-occupancy.

12.11.5 Clearance air monitoring shall be satisfactory as specified or as required by regulation.

12.11.6 The critical barriers shall be removed only after satisfactory clearance air monitoring results have been achieved.

## 12.12 Glove Bag or Containment Failure:

12.12.1 If a glove bag or containment is used and fails or loses its integrity, the following shall be required:

12.12.1.1 As necessary, isolation barriers shall be constructed.

12.12.1.2 Area HVAC systems shall be shut down immediately and all openings shall be sealed with a least six (6) millimeter plastic sheeting.

12.12.1.3 Passageways to uncontaminated areas of the building or structure shall be sealed with a least six (6) millimeter plastic sheeting.

12.12.1.4 Negative air pressure equipment ventilation shall be installed and utilized.

12.12.1.5 Clean-up shall be accomplished as follows:

12.12.1.6 All accumulations of asbestos waste material shall be containerized. Metal shovels or HEPA vacuums may be used to pick up or move waste except in the vicinity of any isolation barriers which could be breached. The areas around the isolation barriers shall be cleaned utilizing rubber or plastic dust pans, squeegees or shovels. HEPA vacuums shall be used to clean all surfaces after gross clean up.

12.12.1.7 All surfaces in the work area shall be first wet cleaned using rags, mops and sponges.

12.12.1.8 After the first cleaning, at least twelve (12) hours shall be allowed for asbestos to settle. Thereafter all objects and surfaces in the work area shall be HEPA vacuumed and/or wet cleaned. The isolation barrier shall be breached for entry and exit with minimal frequency and shall be resealed immediately. All windows, doors, HVAC system vents and all other openings shall remain sealed.

12.12.1.9 Removal of contaminated equipment and ACWM and all containerized waste shall be removed from the work area.

12.12.1.10 Clearance air monitoring shall be conducted.

12.12.1.11 The isolation barrier shall be removed only after satisfactory clearance air monitoring results have been achieved.

12.12.1.12 Federal, state, and local requirements, regarding waiting periods are to be observed by the contractor, unless contractor gets a written "waiver" from the governing regulatory agency.

## Chapter 13 Final Inspection and Testing

### 13.1 General:

- 13.1.1 The contractor shall notify the owner forty-eight (48) hours (2 business days) in advance for the performance of the final visual inspection and testing. The final visual inspection will be performed by the owner or owner's representative at the conclusion of the first cleaning and after the on-site contractor supervisor completes and signs the "Certification of Visual Inspection by Contractor."

### 13.2 Final Inspection:

- 13.2.1 Final inspection will include the entire work area, the PDF, EDF, all plastic sheeting, seals over ventilation openings, doorways, windows and other openings. If any debris, residue on surfaces, dust or other matter is detected, cleaning shall be repeated. Bulk or dust samples may be collected and analyzed to confirm visual findings. When the area is visually clean, the lock-back encapsulation and second cleaning will commence after the required waiting periods.

### 13.3 Final Testing:

- 13.3.1 After a satisfactory final visual inspection by the owner, the owner may undertake the final testing. Air samples may be taken and analyzed in accordance with the procedures for PCM or TEM, whichever is required by federal, state or local regulations or by contract. If release criteria are not met, the contractor shall repeat final cleaning and continue decontamination procedures from that point. Additional inspection and testing will be at the expense of the contractor. If contractor prefers TEM analysis when only PCM is required, the cost of TEM will be borne by contractor.
- 13.3.2 If release criteria are satisfactory, remove the critical barriers and shutdown and remove the HEPA units as specified. Any small quantities of residue material found upon removal of the plastic sheeting shall be removed with a HEPA vacuum cleaner with localized isolation. If significant quantities, as determined by the owner, are found then the entire area affected shall be decontaminated as specified in 12.12.

### 13.4 Final Testing Procedures:

- 13.4.1 Work in an area is complete when the work area is visually clean and airborne fiber levels have been reduced to or below 0.01 f/cc as measured with PCM or 70 structures per square millimeter based on an arithmetic mean concentration of five (5) samples or the fiber concentration within the work area is not statistically larger than the average background count as measured by TEM.
- 13.4.2 To determine if the elevated airborne fiber counts encountered during abatement operations have been reduced to the specified level, the owner may secure samples and analyze them according to the following procedures:
- 13.4.2.1 "Fibers" referred to in this section shall be either all fibers regardless of composition as counted in the NIOSH 7400 methods, or asbestos fibers of any size as counted using TEM.
- 13.4.2.2. Final air testing samples will be taken using aggressive sampling techniques when appropriate. Before sampling pumps are started, the exhaust from forced air equipment (leaf blower with at least one (1) horsepower electric motor) will be swept against all walls, ceilings, floors, ledges and other surfaces in the room. These procedures will be continued for 5 minutes per 1,000 square feet of surface area. High velocity fans will be used to continually circulate air during sample collection. Air samples will be collected in areas subject to normal air circulation away from room corners, obstructed locations, and sites near windows, doors and vents. Fans will be shut down only after air sample collection is complete. The negative air system will continue to operate.

## Chapter 14 Air Sampling Procedures for Asbestos Projects

### 14.1 General:

- 14.1.1 The following general air sampling procedures may be implemented and followed as per Owner's directive. A supporting document provides details the type of air sampling that will be performed for this project.

### 14.2 Pre-abatement Air Sampling:

- 14.2.1 Five (5) area air samples will be collected from random locations throughout contiguous air areas prior to beginning any abatement activities.
- 14.2.2 The sampling volume for TEM analysis shall be greater than 1,200 liters with a flow rate not to exceed 10 liters per minute
- 14.2.3 The sampling volume for PCM analysis shall be greater than 3,850 liters with a flow rate not to exceed 16 liters per minute.

### 14.3 Daily Area PCM Air Sampling During Removal:

- 14.3.1 A daily area air sampling scheme shall be developed and should meet the following requirements.
  - 14.3.1.1 Two (2) area samples from outside and adjacent to the work area.
  - 14.3.1.2 One (1) area sample from the clean room of the decontamination unit.
  - 14.3.1.3 One (1) area sample from a maximum distance of five (5) feet from the exhaust of the negative air machine.
  - 14.3.1.4 One (1) area sample adjacent to the exhaust duct of the negative air machine.

### 14.4 Final TEM Air Clearance Sampling:

- 14.4.1 Collect ten (10) TEM air samples - five (5) area samples from inside the work area and five (5) area samples outside the work area.
- 14.4.2 The sampling volume shall be greater than 1,200 liters with a flow rate not to exceed 10 liters per minute.
- 14.4.3 The final clearance release criteria for TEM analysis shall be less than 70 structures per square millimeter as determined by the arithmetic mean of five (5) inside samples or less than the outside ambient air as determined by the Z test, whichever is greater.
- 14.4.4 All final TEM air samples shall be collected using aggressive collection techniques.
- 14.4.5 All TEM samples will be analyzed using the AHERA method.

### 14.5 Final PCM Air Clearance Sampling:

- 14.5.1 Collect a five (5) air samples from inside the work area.
- 14.5.2 The sampling volume shall be greater than 3,850 liters with a flow rate not to exceed 16 liters per minute.
- 14.5.3 The final clearance release criteria will be less than .01 fibers per cc. for five (5) samples in accordance with the NIOSH 7400 Method.

### 14.6 PCM Analytical Method:

- 14.6.1 PCM air sample shall be analyzed using Phase Contrast Microscopy (PCM) in accordance with the NIOSH 7400 Analytical Method.

14.6.2 All sample pumps shall be fitted with 25-millimeter ester cellulose filter cassettes.

#### 14.7 OSHA Personal Air Sampling:

- 14.7.1 The Contractor is responsible for OSHA personal air monitoring. Personal air samples shall be collected daily for the purpose of determining an eight-hour time weighted average (TWA) and an excursion limit by the Contractor during the asbestos removal process.
- 14.7.2 Personal air samples shall be collected from the breathing zone of a minimum of twenty percent (20%) of the workers performing asbestos removal.
- 14.7.3 The sampling flow rates shall be between .5 to 2.5 liters per minute.
- 14.7.4 Results of the OSHA personal air samples must be provided within twenty-four (24) hours.

## Chapter 15 Waste Removal Through the Equipment Decontamination Facilities (EDF)

### 15.1 General:

15.1.1 The contractor is responsible for all waste removal and decontamination systems. In addition, the contractor is responsible for keeping the material adequately wet during the entire operation from initial bagging through waste disposal. The asbestos waste containers shall be sealed by the contractor in the work area. The following general procedures apply:

15.1.1.1 The contractor shall place caution labels on the containers in accordance with OSHA Regulation 29 CFR 1910.1101. These caution labels shall be clearly visible and shall contain the following Statements:

**DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD**

15.1.1.2 As required by EPA 40 CFR Part 61 NESHAP Revision; Final Rule, each individual waste container shall be tagged with the name or EPA Identification number of the waste generator and the location at which the waste was generated.

### 15.2 Project Procedures:

15.2.1 The external surfaces of the containers and equipment shall be thoroughly cleaned of gross contamination in the work area before they are placed into the EDF airlock. Workers who perform the cleaning in the work area shall not enter the EDF airlock.

15.2.2 The containers shall then be moved in the EDF by workers stationed inside the EDF. The workers shall again wet clean each container thoroughly.

15.2.3 Upon completion of the second wet cleaning process, each container shall be placed into uncontaminated six (6) mil poly plastic sheeting or bags and sealed tight.

15.2.4 The contractor shall then move the containers into the airlock entering the holding area. Ensure that the workers in the holding area have entered from the uncontaminated side of the EDF. The washroom workers shall not enter the holding area or the work area until waste removal is finished for that period.

15.2.5 Containers and equipment shall be removed from the airlock to the holding area by workers dressed in clean personal protective equipment who have entered from the uncontaminated area.

15.2.6 Workers who only move the waste containers from the holding area to uncontaminated areas (trailer, trucks, etc.) may utilize half-face, dual cartridge type respirators and must be outfitted with proper protective clothing.

15.2.7 The cleaned containers of asbestos material and equipment may be placed in water-tight carts with doors or tops that shall be closed and secured. The carts shall be wet cleaned and/or HEPA vacuumed at least once each day.

15.2.8 The exit from the decontamination enclosure system shall be secured with a lockable door to prevent unauthorized entry.

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- 15.2.9 Where the waste removal enclosure is part of the PDF, waste removal shall not occur during shift changes or when otherwise occupied. Precautions shall be taken to prevent cycling of air outward through the shower and clean room.

## Chapter 16 Asbestos Waste Disposal

### 16.1 Applicable Regulations:

- 16.1.1 All asbestos waste shall be stored, transported and disposed of as per, but not limited to, the following regulations:
  - 16.1.1.1 All applicable federal, state, and local regulations.
  - 16.1.1.2 USEPA Asbestos NESHAP 40 CFR 61
  - 16.1.1.3 US Department of Transportation 49 CFR 171-180

### 16.2 Transporters or Haulers:

- 16.2.1 Transporters and haulers of asbestos waste are subject to the following:
  - 16.2.1.1 The contractor's transporter and disposal site shall be approved by the owner.
  - 16.2.1.2 The contractor shall give twenty-four (24) hour notification to the owner prior to removing any asbestos waste from the site. All asbestos waste shall be removed from the site only during normal working hours. No asbestos waste may be taken from the site without authorization from the owner.
  - 16.2.1.3 The contractor shall have the transporter give the dates and times of arrival at the disposal site.
  - 16.2.1.4 The transporter with the contractor shall inspect all the transport containers prior to taking possession and signing the asbestos waste manifest. **The transporter shall not have any off-site transfers or combine this asbestos waste with any other sites asbestos materials.**
  - 16.2.1.5 During loading or unloading, mark vehicles used to transport asbestos-containing waste with the following sign, which must be visible:

**DANGER ASBESTOS HAZARD  
CANCER AND LUNG DISEASE HAZARD**

### 16.3 Waste Storage Container:

- 16.3.1 All asbestos waste hauling storage containers are subject to the following procedures:
  - 16.3.1.1 All asbestos waste hauling containers shall be fully enclosed and lockable (i.e., enclosed dumpster, 40' trailer, etc.) **With owner's authorization, open containers may be allowed** (i.e., open dumpsters with canvas covers, etc.) and a waiver is granted.
  - 16.3.1.2 The asbestos waste hauling containers shall be plasticized and sealed with a minimum of one (1) layer of six (6) millimeter polyethylene on the sides and two (2) layers of six (6) millimeter polyethylene on the floor.
  - 16.3.1.3 The asbestos waste containers shall be labeled with an OSHA Label with the following Statements:

**DANGER  
CONTAINS ASBESTOS FIBERS  
AVOID CREATING DUST  
CANCER AND LUNG DISEASE HAZARD**

- 16.3.1.4 The waste transport container (truck, dumpster) must be appropriately labeled as required by the U.S. Department of Transportation.
- 16.3.1.5 The asbestos waste containers will not be permitted to leave the work site without the proper signatures.
- 16.3.1.6 The owner may initiate random checks at the disposal site to ensure that the procedures outlined herein are complied with.

#### 16.4 Waste Disposal Manifest:

- 16.4.1 The asbestos waste disposal manifest is subject to the following procedures:
  - 16.4.1.1 An asbestos waste disposal manifest as provided for under NESHAP and/or individual state or local jurisdictions shall be provided by the contractor and is the only manifest to be utilized.
  - 16.4.1.2 The contractor shall complete the asbestos waste disposal manifest and verify that all information and amounts are accurate and that the proper signatures are in place.
  - 16.4.1.3 The asbestos waste disposal manifest shall have the signatures of the contractor and the transporter prior to any waste being removed from the work site.
  - 16.4.1.4 The asbestos waste disposal manifest shall be signed by the disposal facility owner or operator to certify receipt of the asbestos-containing materials covered by the asbestos waste disposal manifest.
  - 16.4.1.5 An original copy of the completed asbestos waste disposal manifest shall be returned to the owner by the contractor within 30 days of removal from the site.

#### 16.5 Compliance:

- 16.5.1 Compliance with the procedures described herein is mandatory and subject to the following:
  - 16.5.1.1 Failure to adhere to these procedures shall constitute a material breach of the contract and the owner shall have the right to and may terminate the contract. Termination shall not relieve the contractor from future compliance.
  - 16.5.1.2 All asbestos containing waste and/or asbestos contaminated materials must be disposed of as asbestos waste. This includes, but is not limited to, asbestos containing waste, all plastic sheeting, contaminated coveralls or "tyvek" suits, filters, foot covering, tape, etc.
  - 16.5.1.3 As work progresses, the contractor shall remove sealed and labeled containers so that available storage space is not exceeded.
  - 16.5.1.4 Disposal of such containers shall be at an authorized disposal site in accordance with the requirements of the appropriate disposal authorities.
  - 16.5.1.5 The contractor shall submit to the owner the completed asbestos waste disposal manifest form and attached receipts.
  - 16.5.1.6 Waste materials must be transported in enclosed trucks to prevent loose containers from falling off the vehicle.
  - 16.5.1.7 At the disposal site, the bags or barrels must be carefully lowered into approved landfills by the workers.
    - 16.5.1.7.1 Damaged bags shall remain in the drum (if used) and the entire contaminated and sealed drum shall be buried.
    - 16.5.1.7.2 Uncontaminated drums may be recycled, if applicable.
  - 16.5.1.8 The contractor shall notify the owner of proposed dates and times of transportation of waste to the landfill.

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- 16.5.1.9 The workers shall perform this activity in approved disposable suits and appropriate respirators.
- 16.5.1.10 If temporary storage at the job site is to occur, the area must be secured from entrance by unauthorized persons. Temporary storage off the job site is not permissible.

## Chapter 17 Abatement Close-out and Certificate of Compliance

### 17.1 Completion of Abatement Work:

- 17.1.1 Seal negative air machines with six (6) millimeter polyethylene sheet and duct tape to form a tight seal at intake end before being moved from work area. Complete the work upon meeting the work area clearance criteria and fulfilling the following:
  - 17.1.1.1 Remove all equipment, materials, debris from the work site.
  - 17.1.1.2 Dispose of all asbestos containing waste material as specified elsewhere in this specification.
  - 17.1.1.3 Fulfill other project close-out requirements as specified elsewhere in this section.

### 17.2 Certificate of Completion by Contractor:

- 17.2.1 The C.P.I.H. shall complete and sign a "Certificate of Completion" at the completion of the abatement and decontamination of a work area.

## Chapter 18 Materials Containing Trace Amounts of Asbestos to Remain in Place

### 18.1 The Following Materials Contain Trace Asbestos:

- Samples of mudded pipe fitting insulation throughout the building on water supply, return, and transport lines located on pipe ends, pipe turns, saddles, through wall junctions, through ceiling junction, and through floor junction.

This material will remain in the building during demolition, and thus any work that disturbs this material falls under OSHA regulations. Should exploratory demolition to identify thermal system insulation require that the Asbestos Abatement Contractor disturb these materials, or if the Demolition Contractor plans on performing any interior selective demolition work disturbing the above stated materials, they shall be financially responsible for conforming to the following work procedures as established by the Asbestos Abatement Contractor. This material is not considered ACM by EPA's definition, but the samples that were analyzed do contain trace amounts of asbestos. The Occupational Safety and Health Administration (OSHA) regulates potential employee exposure to any amount of asbestos, including "trace" concentrations. Consequently, renovation / demolition activities that would affect the above stated materials would still be governed under certain OSHA regulations.

Work practices relating to individuals or contractors who perform work that disturbs materials classified as non-ACM but that contain <1% asbestos will apply to work being conducted in these areas. While no formal work practice training is required (i.e., Class I, Class II, Class III), certain basic work practices must be adhered to in order to minimize exposures. These shall include using wet methods to minimize the generation of dust during disturbance of the material. The use of high efficiency particulate air (HEPA) vacuums for addressing dust is also highly recommended, but not mandatory. In addition, prohibited activities include the use of high-speed abrasive disc saws or other powered tools that disturb the material unless they are outfitted with HEPA vacuum shrouds or other dust control mechanisms; the use of compressed air systems for any cleanup activities; and, dry sweeping, shoveling or other dry cleanup of dust or debris. Work areas where the above stated materials are going to be disturbed shall be isolated to prevent migration of any dust to adjacent areas. Provided these procedures are followed, and a negative exposure assessment is obtained by the Asbestos Abatement contractor or other contractor showing that worker exposures are below the OSHA Permissible Exposure Limit (PEL) using these methods, no additional training or personal protective equipment will be needed by the Demolition Contractor to complete remaining interior demolition work, providing the same procedures are followed wherever the material is disturbed. It is critical that this information is provided to any individual or contractor who is expected to disturb the indicated materials.

Controlled demolition operations shall include the installation of polyethylene sheeting to isolate work area, and fans to minimize dust migration from the work area. Demolition work shall incorporate continuous wetting and clean-up (if needed) of the material. Provided these procedures are followed, and air monitoring results are below the PEL of 0.1 fibers per cubic centimeter (f/cc) as an eight-hour time weighted average (TWA<sub>8</sub>) or 1 f/cc as a 30-minute Excursion Limit (EL), then all remaining exploratory or other demolition work affecting these materials can be performed with no specific personal protective equipment by the Asbestos Abatement or Demolition Contractor. If the PEL is exceeded, either work procedures will need to be modified and proven to maintain exposure levels below the PEL, or all demolition work involving these materials in the indicated areas will need to be performed by an asbestos abatement contractor or other contractor that is able to use the appropriate personal protective equipment.

Demolition Contractor shall perform independent air monitoring to document that PEL is not exceeded during demolition of building. Demolition Contractor shall be responsible for establishment of his own Negative Exposure Assessment for submittal to Building Owner for review. Demolition Contractor may not rely on Abatement Contractor's air monitoring data. Demolition Contractor performing any demolition on the above stated material in the indicated areas shall perform the work following the same established

procedures but will not require any specific training other than general hazard communication and will not be required to use any personal protective equipment providing potential exposures are below the PEL. If the PEL is exceeded, either work procedures will need to be modified and proven to maintain exposure levels below the PEL, or all demolition work involving the plaster in the indicated areas will need to be performed by an asbestos abatement contractor or other contractor that is able to use the appropriate personal protective equipment. Although it would not be required by regulation, consideration should be given to at least provide for protective clothing that can be removed prior to leaving the work area. If no protective clothing is used, workers should HEPA vacuum the exterior of their clothing prior to leaving the work area to remove dust. Demolition work disturbing the above stated materials does not get included on any governmental notifications, and the disposal of the demolition waste is not regulated as asbestos waste.

## **End Asbestos Abatement Technical Specification**

## **ATTACHMENT A**

### **TABLE A-1 ASBESTOS-CONTAINING MATERIALS TO BE REMOVED AND DISPOSED**

**ATTACHMENT A-1**

**United Way of Central Ohio  
360 South 3<sup>rd</sup> Street  
Columbus, Franklin County, Ohio**

**ASBESTOS-CONTAINING MATERIALS TO BE REMOVED AND DISPOSED  
FROM UNITED WAY DEMOLITION PROJECT**

Base bid work will be completed concurrently with hazardous material removal			
Material Description	Estimated Quantities	% And Type Asbestos	Material Locations
Black window glazing gasket	70 Square Feet (SF) 110 windows	1.4% Chrysotile by point count (PC)	<u>3<sup>rd</sup> Floor</u> Interior windows in South Corridors
Dark brown window caulk	70 SF 12 windows	5.1% Chrysotile by PC	<u>West Stairwell</u> Interior side of windows where frame meets walls, ceilings, and floors
Yellow/black mastic (Beneath non-ACM blue stair tread and 24"x24" blue textured floor tile)	450 SF	1.1% Chrysotile by PC	<u>East Stairwell</u> Stairs and Landings on 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> Floors
Black mastic	7,000 SF	2% Chrysotile	<u>JC Penney</u> Third floor office area
Yellow/black carpet mastic	200 SF	2.3% Chrysotile by PC	<u>East Stairwell</u> Basement
Residual black mastic	500 SF	4.2% Chrysotile by PC	<u>2<sup>nd</sup> Floor</u> Cube Area 288 and 289 (beneath non-ACM carpet/mastic and leveling compound) and Restrooms 292 and 293 (beneath non-ACM 12"x12" floor tile/yellow mastic and leveling compound)
Fire doors	920 SF 46 doors	Assumed ACM >1%	Reference inspection report addendum for specific locations.
Elevator doors	120 SF 6 doors	Assumed ACM >1%	Reference inspection report addendum for specific locations.
Transite contact switches associated with electrical panels	47 SF 9 panels	Assumed ACM >1%	Reference inspection report addendum for specific locations.

**ATTACHMENT B**  
**DRAWINGS AND EXHIBITS**

# BASEMENT

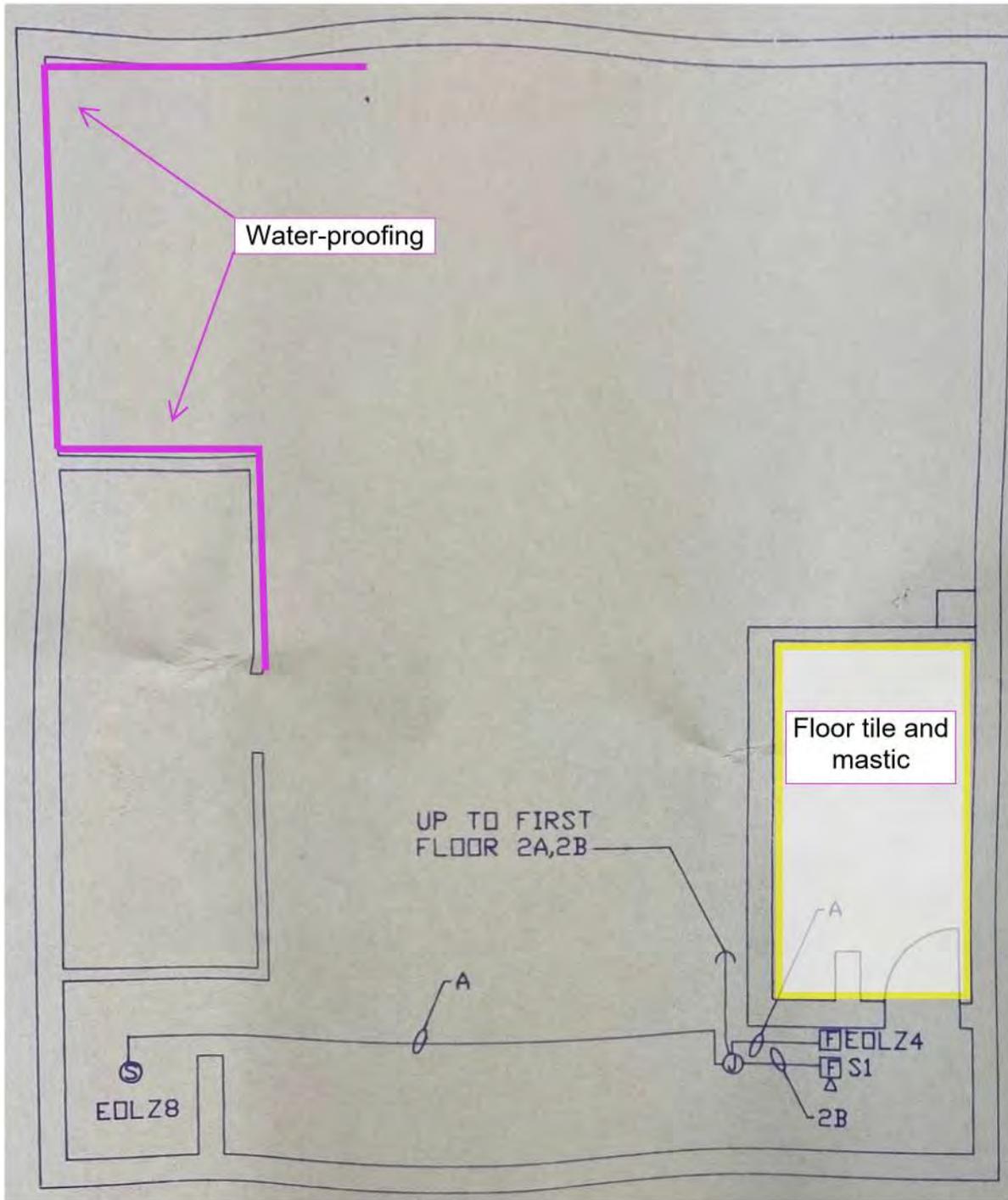


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: KB	Project No. N6227357	 12460 Plaza Drive Cleveland, Ohio 44130	ASBESTOS LOCATION DRAWING	Exhibit
Drawn by: KB	Scale: NO SCALE		The United Way of Central Ohio 360 South 3rd Street Columbus, Ohio	1
Checked by: JT	File Name: Exhibit 1			
Approved by: JT	Date: 01/24/23			



Project Manager:	KB	Project No.	N6227357
Drawn by:	WM	Scale:	NO SCALE
Checked by:	KB	File Name:	Exhibit 2
Approved by:	KB	Date:	01/24/23

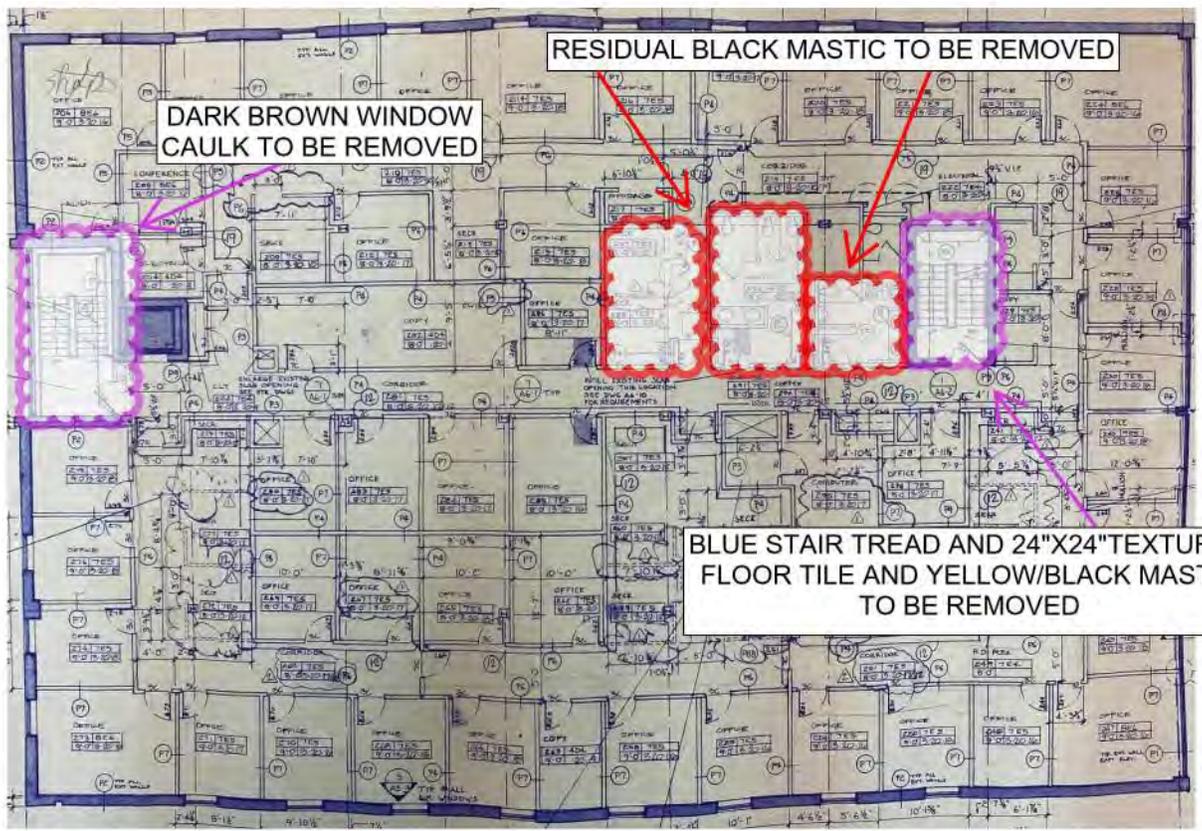
**Terracon**  
 12460 Plaza Drive  
 Cleveland, Ohio 44130

**ASBESTOS LOCATION DRAWING - FIRST FLOOR**  
 The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit  
**2**

**LEGEND**

- Samples identified as asbestos-containing
- Samples identified as non-asbestos-containing



**LEGEND**  
 Samples identified as asbestos-containing

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: KB  
 Drawn by: WM  
 Checked by: KB  
 Approved by: KB

Project No. N6227357  
 Scale: NO SCALE  
 File Name: Exhibit 3  
 Date: 01/24/23

**Terracon**  
 12460 Plaza Drive  
 Cleveland, Ohio 44130

ASBESTOS LOCATION DRAWING: SECOND FLOOR  
 The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit  
**3**

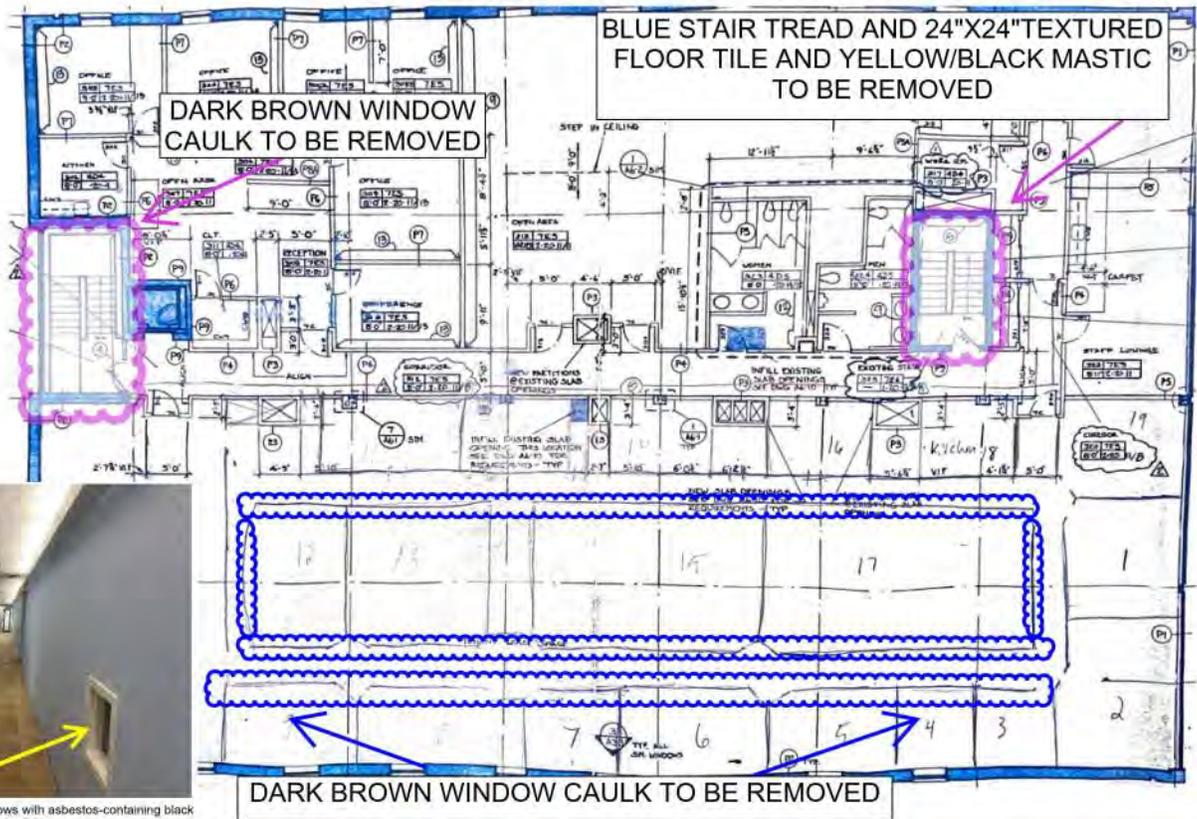


Photo #3 HA Group S: Interior windows with asbestos-containing black window glazing gasket (1.4% chrysotile by PC).

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	KB	Project No:	N6227357
Drawn by:	WM	Scale:	NO SCALE
Checked by:	KB	File Name:	Exhibit 4
Approved by:	KB	Date:	01/24/23

**Terracon**  
 12460 Plaza Drive  
 Cleveland, Ohio 44130

ASBESTOS LOCATION DRAWING: THIRD FLOOR  
 The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit  
 4

**ATTACHMENT C**  
**ASBESTOS SAMPLE SUMMARY DOCUMENTS AND REPORTS**

**APPENDIX C**

**ANALYTICAL LABORATORY DATA & CHAIN-OF-CUSTODY**

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539903  
**Client No.:** A-01  
**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539904  
**Client No.:** A-02  
**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539905  
**Client No.:** A-03  
**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

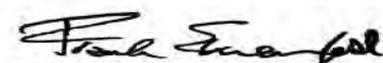
**Lab No.:** 7539906  
**Client No.:** B-04  
**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539906(L2)  
**Client No.:** B-04  
**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539907  
**Client No.:** B-05  
**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7539907(L2)  
Client No.: B-05

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539908  
Client No.: B-06

**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539908(L2)  
Client No.: B-06

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** 12"x12" White or Grey Floor Tile and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539909  
Client No.: C-07

**Analyst Observation:** Grey Cove Base  
**Client Description:** 4" Dark Grey Cove Base and Tan Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539909(L2)  
Client No.: C-07

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Dark Grey Cove Base and Tan Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539910  
Client No.: C-8

**Analyst Observation:** Grey Cove Base  
**Client Description:** 4" Dark Grey Cove Base and Tan Mastic

**Location:**  
**Facility:**

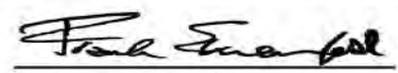
Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539910(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** C-8      **Client Description:** 4" Dark Grey Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539911      **Analyst Observation:** Grey Cove Base      **Location:**  
**Client No.:** C-9      **Client Description:** 4" Dark Grey Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539911(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** C-9      **Client Description:** 4" Dark Grey Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

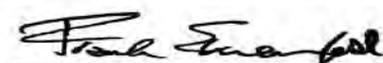
**Lab No.:** 7539912      **Analyst Observation:** Grey Sink Undercoating      **Location:**  
**Client No.:** D-10      **Client Description:** Grey Sink Undercoating      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      12 Cellulose      88

**Lab No.:** 7539913      **Analyst Observation:** Grey Sink Undercoating      **Location:**  
**Client No.:** D-11      **Client Description:** Grey Sink Undercoating      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      15 Cellulose      85

**Lab No.:** 7539914      **Analyst Observation:** Grey Sink Undercoating      **Location:**  
**Client No.:** D-12      **Client Description:** Grey Sink Undercoating      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      10 Cellulose      90

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539915      **Analyst Observation:** White Caulk      **Location:**  
**Client No.:** E-13      **Client Description:** White Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539916      **Analyst Observation:** White Caulk      **Location:**  
**Client No.:** E-14      **Client Description:** White Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539917      **Analyst Observation:** White Caulk      **Location:**  
**Client No.:** E-15      **Client Description:** White Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

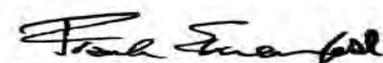
**Lab No.:** 7539918      **Analyst Observation:** Black Caulk      **Location:**  
**Client No.:** F-16      **Client Description:** Black Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539919      **Analyst Observation:** Black Caulk      **Location:**  
**Client No.:** F-17      **Client Description:** Black Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539920      **Analyst Observation:** Black Caulk      **Location:**  
**Client No.:** F-18      **Client Description:** Black Window Caulk      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539921      **Analyst Observation:** White/Tan Ceiling Tile      **Location:**  
**Client No.:** G-19      **Client Description:** 2'x2' Ceiling Tile (Pin-Prick/Gash Pattern)      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      45 Cellulose      20  
35 Mineral Wool

**Lab No.:** 7539922      **Analyst Observation:** White/Tan Ceiling Tile      **Location:**  
**Client No.:** G-20      **Client Description:** 2'x2' Ceiling Tile (Pin-Prick/Gash Pattern)      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      55 Cellulose      10  
35 Mineral Wool

**Lab No.:** 7539923      **Analyst Observation:** White/Tan Ceiling Tile      **Location:**  
**Client No.:** G-21      **Client Description:** 2'x2' Ceiling Tile (Pin-Prick/Gash Pattern)      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      50 Cellulose      15  
35 Mineral Wool

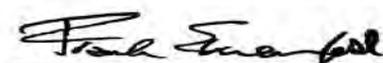
**Lab No.:** 7539924      **Analyst Observation:** White/Brown Drywall      **Location:**  
**Client No.:** H-22      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      10 Cellulose      88  
2 Fibrous Glass

**Lab No.:** 7539924(L2)      **Analyst Observation:** White Joint Compound      **Location:**  
**Client No.:** H-22      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539924(L3)      **Analyst Observation:** Composite      **Location:**  
**Client No.:** H-22      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      8 Cellulose      92  
Trace Fibrous Glass

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539925  
**Client No.:** H-23  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
2 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
86

**Lab No.:** 7539925(L2)  
**Client No.:** H-23  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539925(L3)  
**Client No.:** H-23  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

**Lab No.:** 7539926  
**Client No.:** H-24  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
2 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
86

**Lab No.:** 7539926(L2)  
**Client No.:** H-24  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

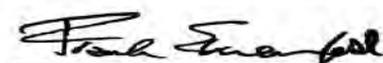
**Lab No.:** 7539926(L3)  
**Client No.:** H-24  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539927  
**Client No.:** H-25  
**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
1 Fibrous Glass  
Percent Non-Fibrous Material:  
87

**Lab No.:** 7539927(L2)  
**Client No.:** H-25  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539927(L3)  
**Client No.:** H-25  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass  
Percent Non-Fibrous Material:  
90

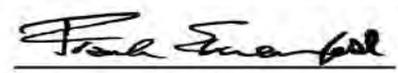
**Lab No.:** 7539928  
**Client No.:** H-26  
**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
1 Fibrous Glass  
Percent Non-Fibrous Material:  
87

**Lab No.:** 7539928(L2)  
**Client No.:** H-26  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539928(L3)  
**Client No.:** H-26  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass  
Percent Non-Fibrous Material:  
90

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Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539929  
**Client No.:** I-27  
**Analyst Observation:** White/Tan Ceiling Tile  
**Client Description:** 2'X4' Ceiling Tile (Pin-Prick/Gash/2'x2' Pattern)  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
55 Cellulose  
35 Mineral Wool  
Percent Non-Fibrous Material:  
10

**Lab No.:** 7539930  
**Client No.:** I-28  
**Analyst Observation:** White/Tan Ceiling Tile  
**Client Description:** 2'X4' Ceiling Tile (Pin-Prick/Gash/2'x2' Pattern)  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
55 Cellulose  
30 Mineral Wool  
Percent Non-Fibrous Material:  
15

**Lab No.:** 7539931  
**Client No.:** I-29  
**Analyst Observation:** White/Tan Ceiling Tile  
**Client Description:** 2'X4' Ceiling Tile (Pin-Prick/Gash/2'x2' Pattern)  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
55 Cellulose  
35 Mineral Wool  
Percent Non-Fibrous Material:  
10

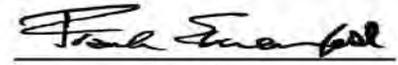
**Lab No.:** 7539932  
**Client No.:** J-30  
**Analyst Observation:** Pink Cove Base  
**Client Description:** 4" Pink Cove Base and Yellow Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539932(L2)  
**Client No.:** J-30  
**Analyst Observation:** Yellow Mastic  
**Client Description:** 4" Pink Cove Base and Yellow Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539933  
**Client No.:** J-31  
**Analyst Observation:** Pink Cove Base  
**Client Description:** 4" Pink Cove Base and Yellow Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

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Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539933(L2)      **Analyst Observation:** Yellow Mastic      **Location:**  
**Client No.:** J-31      **Client Description:** 4" Pink Cove Base and Yellow Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539934      **Analyst Observation:** Pink Cove Base      **Location:**  
**Client No.:** J-32      **Client Description:** 4" Pink Cove Base and Yellow Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539934(L2)      **Analyst Observation:** Yellow Mastic      **Location:**  
**Client No.:** J-32      **Client Description:** 4" Pink Cove Base and Yellow Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

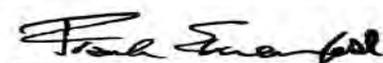
**Lab No.:** 7539935      **Analyst Observation:** Lt Blue Cove Base      **Location:**  
**Client No.:** K-33      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539935(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** K-33      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539936      **Analyst Observation:** Lt Blue Cove Base      **Location:**  
**Client No.:** K-34      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

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Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539936(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** K-34      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539937      **Analyst Observation:** Lt Blue Cove Base      **Location:**  
**Client No.:** K-35      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539937(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** K-35      **Client Description:** 4" Light Blue Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

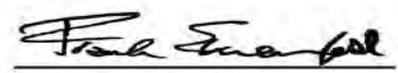
**Lab No.:** 7539938      **Analyst Observation:** Brown Cove Base      **Location:**  
**Client No.:** L-36      **Client Description:** 4" Brown Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539938(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** L-36      **Client Description:** 4" Brown Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539939      **Analyst Observation:** Brown Cove Base      **Location:**  
**Client No.:** L-37      **Client Description:** 4" Brown Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

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Date Received: 12/14/2022  
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Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
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Parma OH 44130

Report Date: 12/19/2022  
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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7539939(L2)  
Client No.: L-37

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Brown Cove Base and Tan Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539940  
Client No.: L-38

**Analyst Observation:** Brown Cove Base  
**Client Description:** 4" Brown Cove Base and Tan Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539940(L2)  
Client No.: L-38

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Brown Cove Base and Tan Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539941  
Client No.: M-39

**Analyst Observation:** Tan Cove Base  
**Client Description:** 4" Tan Cove Base and Cream Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539941(L2)  
Client No.: M-39

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Tan Cove Base and Cream Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539942  
Client No.: M-40

**Analyst Observation:** Tan Cove Base  
**Client Description:** 4" Tan Cove Base and Cream Mastic

**Location:**  
**Facility:**

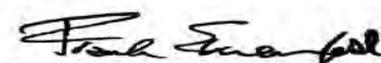
Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/17/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539942(L2)  
**Client No.:** M-40  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Tan Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539943  
**Client No.:** M-41  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Tan Cove Base  
**Client Description:** 4" Tan Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539943(L2)  
**Client No.:** M-41  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Tan Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539944  
**Client No.:** N-42  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Dk Blue Cove Base  
**Client Description:** 4" Dark Blue Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539944(L2)  
**Client No.:** N-42  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Dark Blue Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

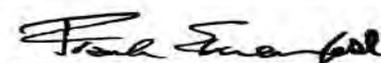
**Lab No.:** 7539945  
**Client No.:** N-43  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Dk Blue Cove Base  
**Client Description:** 4" Dark Blue Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Laboratory Director

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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539945(L2)      **Analyst Observation:** Cream Mastic      **Location:**  
**Client No.:** N-43      **Client Description:** 4" Dark Blue Cove Base and Cream      **Facility:**  
Mastic  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539946      **Analyst Observation:** Dk Blue Cove Base      **Location:**  
**Client No.:** N-44      **Client Description:** 4" Dark Blue Cove Base and Cream      **Facility:**  
Mastic  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539946(L2)      **Analyst Observation:** Cream Mastic      **Location:**  
**Client No.:** N-44      **Client Description:** 4" Dark Blue Cove Base and Cream      **Facility:**  
Mastic  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

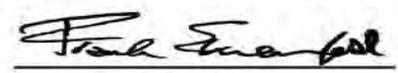
**Lab No.:** 7539947      **Analyst Observation:** White Cove Base      **Location:**  
**Client No.:** O-45      **Client Description:** 4" White Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539947(L2)      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** O-45      **Client Description:** 4" White Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539948      **Analyst Observation:** White Cove Base      **Location:**  
**Client No.:** O-46      **Client Description:** 4" White Cove Base and Tan Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

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Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539948(L2)  
**Client No.:** O-46  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" White Cove Base and Tan Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539949  
**Client No.:** O-47  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Cove Base  
**Client Description:** 4" White Cove Base and Tan Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539949(L2)  
**Client No.:** O-47  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" White Cove Base and Tan Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539950  
**Client No.:** P-48  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Red Cove Base  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539950(L2)  
**Client No.:** P-48  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

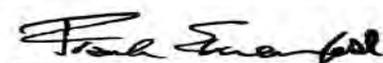
**Lab No.:** 7539951  
**Client No.:** P-49  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Red Cove Base  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Laboratory Director

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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539951(L2)  
**Client No.:** P-49  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539952  
**Client No.:** P-50  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Red Cove Base  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

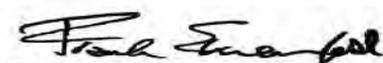
**Lab No.:** 7539952(L2)  
**Client No.:** P-50  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Red Cove Base and Cream Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539953  
**Client No.:** Q-51  
**Analyst Observation:** White/Off-White Ceiling Tile  
**Client Description:** 2'x2' Ceiling Tile (Bumpy Texture)  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 85 Mineral Wool 15

**Lab No.:** 7539954  
**Client No.:** Q-52  
**Analyst Observation:** White/Off-White Ceiling Tile  
**Client Description:** 2'x2' Ceiling Tile (Bumpy Texture)  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 85 Mineral Wool 15

**Lab No.:** 7539955  
**Client No.:** Q-53  
**Analyst Observation:** White/Off-White Ceiling Tile  
**Client Description:** 2'x2' Ceiling Tile (Bumpy Texture)  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 85 Mineral Wool 15

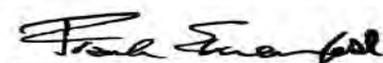
**Lab No.:** 7539956  
**Client No.:** R-54  
**Analyst Observation:** Yellow Cove Base  
**Client Description:** 4" Yellow Cove Base and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7539956(L2)  
**Client No.:** R-54  
**Analyst Observation:** Cream Mastic  
**Client Description:** 4" Yellow Cove Base and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7539957  
**Client No.:** R-55  
**Analyst Observation:** Yellow Cove Base  
**Client Description:** 4" Yellow Cove Base and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539957(L2)      **Analyst Observation:** Cream Mastic      **Location:**  
**Client No.:** R-55      **Client Description:** 4" Yellow Cove Base and Cream Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539958      **Analyst Observation:** Yellow Cove Base      **Location:**  
**Client No.:** R-56      **Client Description:** 4" Yellow Cove Base and Cream Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7539958(L2)      **Analyst Observation:** Cream Mastic      **Location:**  
**Client No.:** R-56      **Client Description:** 4" Yellow Cove Base and Cream Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

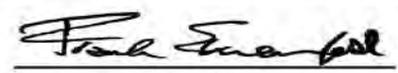
**Lab No.:** 7539959      **Analyst Observation:** Black Gasket      **Location:**  
**Client No.:** S-57      **Client Description:** Black Window Glazing Gasket      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*PC 1.3 Chrysotile*      None Detected      98.7

**Lab No.:** 7539960      **Analyst Observation:** Black Gasket      **Location:**  
**Client No.:** S-58      **Client Description:** Black Window Glazing Gasket      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*PC 1.4 Chrysotile*      None Detected      98.6

**Lab No.:** 7539961      **Analyst Observation:** Black Gasket      **Location:**  
**Client No.:** S-59      **Client Description:** Black Window Glazing Gasket      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*PC 1.2 Chrysotile*      None Detected      98.8

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Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7539962  
Client No.: T-60

**Analyst Observation:** Beige/White Vinyl Sheet Flooring  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
5 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
85

Percent Asbestos:  
*None Detected*

Lab No.: 7539962(L2)  
Client No.: T-60

**Analyst Observation:** White Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539962(L3)  
Client No.: T-60

**Analyst Observation:** Grey Leveling Compound  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
3 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
97

Percent Asbestos:  
*None Detected*

Lab No.: 7539962(L4)  
Client No.: T-60

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539963  
Client No.: T-61

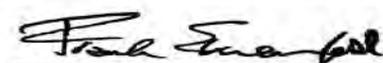
**Analyst Observation:** Beige/White Vinyl Sheet Flooring  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
5 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
83

Percent Asbestos:  
*None Detected*

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539963(L2)  
**Client No.:** T-61

**Analyst Observation:** White Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

**Lab No.:** 7539963(L3)  
**Client No.:** T-61

**Analyst Observation:** Grey Leveling Compound  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
5 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
95

Percent Asbestos:  
*None Detected*

**Lab No.:** 7539963(L4)  
**Client No.:** T-61

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

**Lab No.:** 7539964  
**Client No.:** T-62

**Analyst Observation:** Beige/White Vinyl Sheet Flooring  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
5 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
85

Percent Asbestos:  
*None Detected*

**Lab No.:** 7539964(L2)  
**Client No.:** T-62

**Analyst Observation:** White Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

**Lab No.:** 7539964(L3)  
**Client No.:** T-62

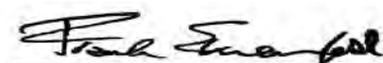
**Analyst Observation:** Grey Leveling Compound  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
5 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
95

Percent Asbestos:  
*None Detected*

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Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7539964(L4)  
Client No.: T-62

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Beige Sheet Flooring/Mastic Over Grey  
Leveling Compound and Yellow/Black Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539965  
Client No.: U-63

**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539966  
Client No.: U-64

**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539967  
Client No.: U-65

**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7539968  
Client No.: V-66

**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
2 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
86

Percent Asbestos:  
*None Detected*

Lab No.: 7539968(L2)  
Client No.: V-66

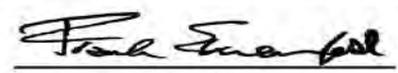
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539968(L3)      **Analyst Observation:** Composite      **Location:**  
**Client No.:** V-66      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      10 Cellulose      90  
Trace Fibrous Glass

**Lab No.:** 7539969      **Analyst Observation:** White/Brown Drywall      **Location:**  
**Client No.:** V-67      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      12 Cellulose      86  
2 Fibrous Glass

**Lab No.:** 7539969(L2)      **Analyst Observation:** White Joint Compound      **Location:**  
**Client No.:** V-67      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

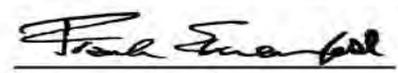
**Lab No.:** 7539969(L3)      **Analyst Observation:** Composite      **Location:**  
**Client No.:** V-67      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      10 Cellulose      90  
Trace Fibrous Glass

**Lab No.:** 7539970      **Analyst Observation:** White/Brown Drywall      **Location:**  
**Client No.:** V-68      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      12 Cellulose      86  
2 Fibrous Glass

**Lab No.:** 7539970(L2)      **Analyst Observation:** White Joint Compound      **Location:**  
**Client No.:** V-68      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

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Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
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Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7539970(L3)	<b>Analyst Observation:</b> Composite	<b>Location:</b>
<b>Client No.:</b> V-68	<b>Client Description:</b> Drywall and Joint Compound	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	10 Cellulose Trace Fibrous Glass	90

<b>Lab No.:</b> 7539971	<b>Analyst Observation:</b> Dk Brown Caulk	<b>Location:</b>
<b>Client No.:</b> W-69	<b>Client Description:</b> Dark Brown Window Caulk	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 3.5 Chrysotile</i>	None Detected	96.5

<b>Lab No.:</b> 7539972	<b>Analyst Observation:</b> Dk Brown Caulk	<b>Location:</b>
<b>Client No.:</b> W-70	<b>Client Description:</b> Dark Brown Window Caulk	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 5.1 Chrysotile</i>	None Detected	94.9

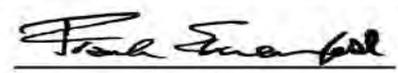
<b>Lab No.:</b> 7539973	<b>Analyst Observation:</b> Dk Brown Caulk	<b>Location:</b>
<b>Client No.:</b> W-71	<b>Client Description:</b> Dark Brown Window Caulk	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 3.7 Chrysotile</i>	None Detected	96.3

<b>Lab No.:</b> 7539974	<b>Analyst Observation:</b> Lt Brown Caulk	<b>Location:</b>
<b>Client No.:</b> X-72	<b>Client Description:</b> Light Brown Window Caulk	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

<b>Lab No.:</b> 7539975	<b>Analyst Observation:</b> Lt Brown Caulk	<b>Location:</b>
<b>Client No.:</b> X-73	<b>Client Description:</b> Light Brown Window Caulk	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

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Analyst: Linda Price

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Laboratory Director

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Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539976  
**Client No.:** X-74  
**Analyst Observation:** Lt Brown Caulk  
**Client Description:** Light Brown Window Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7539977  
**Client No.:** Y-75  
**Analyst Observation:** Blue Floor Tile  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7539977(L2)  
**Client No.:** Y-75  
**Analyst Observation:** Off-White Mastic  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

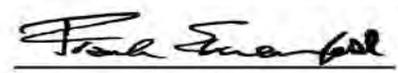
**Lab No.:** 7539977(L3)  
**Client No.:** Y-75  
**Analyst Observation:** Grey Leveling Compound  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 2 Cellulose 98

**Lab No.:** 7539977(L4)  
**Client No.:** Y-75  
**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*PC Trace Chrysotile* None Detected 100

**Lab No.:** 7539978  
**Client No.:** Y-76  
**Analyst Observation:** Blue Floor Tile  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7539978(L2)	<b>Analyst Observation:</b> Off-White Mastic	<b>Location:</b>
<b>Client No.:</b> Y-76	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

<b>Lab No.:</b> 7539978(L3)	<b>Analyst Observation:</b> Grey Leveling Compound	<b>Location:</b>
<b>Client No.:</b> Y-76	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	3 Cellulose	97

<b>Lab No.:</b> 7539978(L4)	<b>Analyst Observation:</b> Yellow/Black Mastic	<b>Location:</b>
<b>Client No.:</b> Y-76	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>PC 0.25 Chrysotile</i>	None Detected	99.75

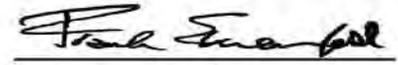
<b>Lab No.:</b> 7539979	<b>Analyst Observation:</b> Blue Floor Tile	<b>Location:</b>
<b>Client No.:</b> Y-77	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

<b>Lab No.:</b> 7539979(L2)	<b>Analyst Observation:</b> Off-White Mastic	<b>Location:</b>
<b>Client No.:</b> Y-77	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

<b>Lab No.:</b> 7539979(L3)	<b>Analyst Observation:</b> Grey Leveling Compound	<b>Location:</b>
<b>Client No.:</b> Y-77	<b>Client Description:</b> 24"x24" Textured Floor Tile and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	3 Cellulose	97

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7539979(L4)  
Client No.: Y-77

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** 24"x24" Textured Floor Tile and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
**PC 0.25 Chrysotile**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
99.75

Lab No.: 7539980  
Client No.: Z-78

**Analyst Observation:** Blue Stair Tread  
**Client Description:** Blue Stair Tread and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539980(L2)  
Client No.: Z-78

**Analyst Observation:** Off-White Mastic  
**Client Description:** Blue Stair Tread and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7539980(L3)  
Client No.: Z-78

**Analyst Observation:** Grey Leveling Compound  
**Client Description:** Blue Stair Tread and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
5 Cellulose

Percent Non-Fibrous Material:  
95

Lab No.: 7539980(L4)  
Client No.: Z-78

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Blue Stair Tread and Yellow/Black Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
**PC 0.75 Chrysotile**

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
99.25

Lab No.: 7539981  
Client No.: Z-79

**Analyst Observation:** Blue Stair Tread  
**Client Description:** Blue Stair Tread and Yellow/Black Mastic

**Location:**  
**Facility:**

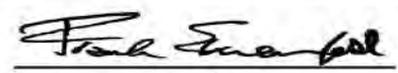
Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7539981(L2)	<b>Analyst Observation:</b> Off-White Mastic	<b>Location:</b>
<b>Client No.:</b> Z-79	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7539981(L3)	<b>Analyst Observation:</b> Grey Leveling Compound	<b>Location:</b>
<b>Client No.:</b> Z-79	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Cellulose	<u>Percent Non-Fibrous Material:</u> 95

<b>Lab No.:</b> 7539981(L4)	<b>Analyst Observation:</b> Yellow/Black Mastic	<b>Location:</b>
<b>Client No.:</b> Z-79	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> <b>PC 1.1 Chrysotile</b>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.9

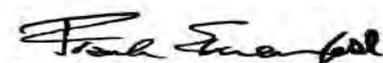
<b>Lab No.:</b> 7539982	<b>Analyst Observation:</b> Blue Stair Tread	<b>Location:</b>
<b>Client No.:</b> Z-80	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7539982(L2)	<b>Analyst Observation:</b> Off-White Mastic	<b>Location:</b>
<b>Client No.:</b> Z-80	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7539982(L3)	<b>Analyst Observation:</b> Grey Leveling Compound	<b>Location:</b>
<b>Client No.:</b> Z-80	<b>Client Description:</b> Blue Stair Tread and Yellow/Black Mastic	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Cellulose	<u>Percent Non-Fibrous Material:</u> 95

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539982(L4)      **Analyst Observation:** Yellow/Black Mastic      **Location:**  
**Client No.:** Z-80      **Client Description:** Blue Stair Tread and Yellow/Black Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*PC 1.1 Chrysotile*      None Detected      98.9

**Lab No.:** 7539983      **Analyst Observation:** White/Brown Drywall      **Location:**  
**Client No.:** AA-81      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      10 Cellulose      88  
2 Fibrous Glass

**Lab No.:** 7539983(L2)      **Analyst Observation:** White Joint Compound      **Location:**  
**Client No.:** AA-81      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

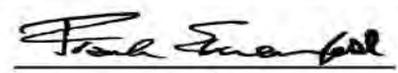
**Lab No.:** 7539983(L3)      **Analyst Observation:** Composite      **Location:**  
**Client No.:** AA-81      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      8 Cellulose      92  
Trace Fibrous Glass

**Lab No.:** 7539984      **Analyst Observation:** White/Brown Drywall      **Location:**  
**Client No.:** AA-82      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      12 Cellulose      87  
1 Fibrous Glass

**Lab No.:** 7539984(L2)      **Analyst Observation:** White Joint Compound      **Location:**  
**Client No.:** AA-82      **Client Description:** Drywall and Joint Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539984(L3)  
**Client No.:** AA-82

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass

Percent Non-Fibrous Material:  
90

**Lab No.:** 7539985  
**Client No.:** AA-83

**Analyst Observation:** White/Brown Drywall  
**Client Description:** Drywall and Joint Compound

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
12 Cellulose  
1 Fibrous Glass

Percent Non-Fibrous Material:  
87

**Lab No.:** 7539985(L2)  
**Client No.:** AA-83

**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 7539985(L3)  
**Client No.:** AA-83

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
10 Cellulose  
Trace Fibrous Glass

Percent Non-Fibrous Material:  
90

**Lab No.:** 7539986  
**Client No.:** AB-84

**Analyst Observation:** Black Cove Base  
**Client Description:** 4" Black Cove Base and Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

**Lab No.:** 7539986(L2)  
**Client No.:** AB-84

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Black Cove Base and Mastic

**Location:**  
**Facility:**

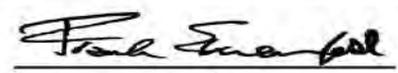
Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

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Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539987  
**Client No.:** AB-85  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Cove Base  
**Client Description:** 4" Black Cove Base and Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539987(L2)  
**Client No.:** AB-85  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Black Cove Base and Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539988  
**Client No.:** AB-86  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Cove Base  
**Client Description:** 4" Black Cove Base and Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539988(L2)  
**Client No.:** AB-86  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Black Cove Base and Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539989  
**Client No.:** AC-87  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Sink Undercoating  
**Client Description:** Black Sink Undercoating  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

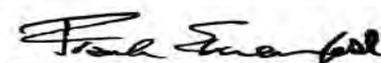
**Lab No.:** 7539990  
**Client No.:** AC-88  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Sink Undercoating  
**Client Description:** Black Sink Undercoating  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

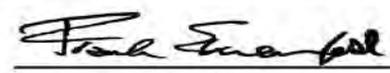
Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7539991 <b>Client No.:</b> AC-89	<b>Analyst Observation:</b> Black Sink Undercoating <b>Client Description:</b> Black Sink Undercoating	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7539992 <b>Client No.:</b> AD-90	<b>Analyst Observation:</b> White/Silver Ceiling Tile <b>Client Description:</b> 2'x2' Ceiling Tile (Rough Texture)	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 80 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 20
<b>Lab No.:</b> 7539993 <b>Client No.:</b> AD-91	<b>Analyst Observation:</b> White/Silver Ceiling Tile <b>Client Description:</b> 2'x2' Ceiling Tile (Rough Texture)	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 80 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 20
<b>Lab No.:</b> 7539994 <b>Client No.:</b> AD-92	<b>Analyst Observation:</b> White/Silver Ceiling Tile <b>Client Description:</b> 2'x2' Ceiling Tile (Rough Texture)	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> 80 Mineral Wool	<u>Percent Non-Fibrous Material:</u> 20
<b>Lab No.:</b> 7539995 <b>Client No.:</b> AE-93	<b>Analyst Observation:</b> Grey/Black Flooring <b>Client Description:</b> Grey Faux Wood Plank Flooring and Cream Mastic	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
<b>Lab No.:</b> 7539995(L2) <b>Client No.:</b> AE-93	<b>Analyst Observation:</b> Cream Mastic <b>Client Description:</b> Grey Faux Wood Plank Flooring and Cream Mastic	<b>Location:</b> <b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539996  
**Client No.:** AE-94  
**Analyst Observation:** Grey/Black Flooring  
**Client Description:** Grey Faux Wood Plank Flooring and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539996(L2)  
**Client No.:** AE-94  
**Analyst Observation:** Cream Mastic  
**Client Description:** Grey Faux Wood Plank Flooring and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539997  
**Client No.:** AE-95  
**Analyst Observation:** Grey/Black Flooring  
**Client Description:** Grey Faux Wood Plank Flooring and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

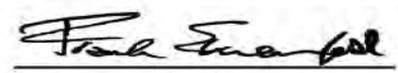
**Lab No.:** 7539997(L2)  
**Client No.:** AE-95  
**Analyst Observation:** Cream Mastic  
**Client Description:** Grey Faux Wood Plank Flooring and Cream Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539998  
**Client No.:** AF-96  
**Analyst Observation:** Blue Cove Base  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7539998(L2)  
**Client No.:** AF-96  
**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos:  
*None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7539999  
**Client No.:** AF-97  
**Analyst Observation:** Blue Cove Base  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7539999(L2)  
**Client No.:** AF-97  
**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540000  
**Client No.:** AF-98  
**Analyst Observation:** Blue Cove Base  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

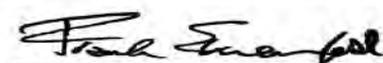
**Lab No.:** 7540000(L2)  
**Client No.:** AF-98  
**Analyst Observation:** Tan Mastic  
**Client Description:** 4" Blue Cove Base and Tan Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540001  
**Client No.:** AG-99  
**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540002  
**Client No.:** AG-100  
**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540003  
**Client No.:** AG-101  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Yellow Mastic  
**Client Description:** Yellow Carpet Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540004  
**Client No.:** AH-102  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Grey/Brown Stair Tread  
**Client Description:** Brown Stair Tread and Yellow Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540004(L2)  
**Client No.:** AH-102  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Yellow Mastic  
**Client Description:** Brown Stair Tread and Yellow Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540005  
**Client No.:** AH-103  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Grey/Brown Stair Tread  
**Client Description:** Brown Stair Tread and Yellow Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540005(L2)  
**Client No.:** AH-103  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Yellow Mastic  
**Client Description:** Brown Stair Tread and Yellow Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

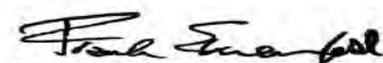
**Lab No.:** 7540006  
**Client No.:** AH-104  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Grey/Brown Stair Tread  
**Client Description:** Brown Stair Tread and Yellow Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Date Received: 12/14/2022  
Date Analyzed: 12/18/2022  
Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7540006(L2)  
Client No.: AH-104

**Analyst Observation:** Yellow Mastic  
**Client Description:** Brown Stair Tread and Yellow Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
100

Lab No.: 7540007  
Client No.: AI-105

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*PC 1.8 Chrysotile*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
98.2

Lab No.: 7540008  
Client No.: AI-106

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic

**Location:**  
**Facility:**

Percent Asbestos:  
*PC 1.5 Chrysotile*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
98.5

Lab No.: 7540009  
Client No.: AI-107

**Analyst Observation:** Yellow/Black Mastic  
**Client Description:** Yellow/Black Carpet Mastic

**Location:**  
**Facility:**

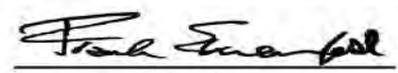
Percent Asbestos:  
*PC 2.3 Chrysotile*

Percent Non-Asbestos Fibrous Material:  
None Detected

Percent Non-Fibrous Material:  
97.7

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Signature:   
Analyst: Linda Price

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
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Report Date: 12/19/2022  
Report No.: 674518 - PLM  
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Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7540010  
Client No.: AJ-108  
Percent Asbestos:  
*PC Trace Amosite*

**Analyst Observation:** Lt Grey Insulation  
**Client Description:** Mudded Pipe Fitting Insulation  
Percent Non-Asbestos Fibrous Material:  
10 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

Lab No.: 7540011  
Client No.: AJ-109  
Percent Asbestos:  
*PC 0.25 Amosite*

**Analyst Observation:** Lt Grey Insulation  
**Client Description:** Mudded Pipe Fitting Insulation  
Percent Non-Asbestos Fibrous Material:  
10 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
89.75

Lab No.: 7540012  
Client No.: AJ-110  
Percent Asbestos:  
*PC Trace Amosite*

**Analyst Observation:** Lt Grey Insulation  
**Client Description:** Mudded Pipe Fitting Insulation  
Percent Non-Asbestos Fibrous Material:  
10 Fibrous Glass

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

Lab No.: 7540013  
Client No.: AK-111  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Caulk  
**Client Description:** Black Window Caulk  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Lab No.: 7540014  
Client No.: AK-112  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Caulk  
**Client Description:** Black Window Caulk  
Percent Non-Asbestos Fibrous Material:  
None Detected

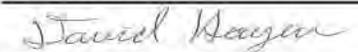
**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

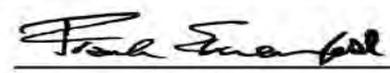
Lab No.: 7540015  
Client No.: AK-113  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Caulk  
**Client Description:** Black Window Caulk  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540016  
**Client No.:** AL-114  
**Analyst Observation:** Brown Caulk  
**Client Description:** Brown Window Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540017  
**Client No.:** AL-115  
**Analyst Observation:** Brown Caulk  
**Client Description:** Brown Window Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

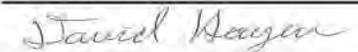
**Lab No.:** 7540018  
**Client No.:** AL-116  
**Analyst Observation:** Brown Caulk  
**Client Description:** Brown Window Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

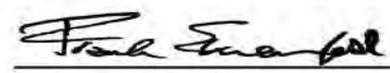
**Lab No.:** 7540019  
**Client No.:** AM-117  
**Analyst Observation:** Lt Grey Caulk  
**Client Description:** Light Grey Building Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540020  
**Client No.:** AM-118  
**Analyst Observation:** Lt Grey Caulk  
**Client Description:** Light Grey Building Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540021  
**Client No.:** AM-119  
**Analyst Observation:** Lt Grey Caulk  
**Client Description:** Light Grey Building Caulk  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540022      **Analyst Observation:** Beige/Grey Stucco      **Location:**  
**Client No.:** AN-120      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      15 Fibrous Glass      85

**Lab No.:** 7540022(L2)      **Analyst Observation:** White Foam      **Location:**  
**Client No.:** AN-120      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7540023      **Analyst Observation:** Beige/Grey Stucco      **Location:**  
**Client No.:** AN-121      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      15 Fibrous Glass      85

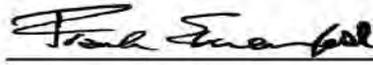
**Lab No.:** 7540023(L2)      **Analyst Observation:** White Foam      **Location:**  
**Client No.:** AN-121      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7540024      **Analyst Observation:** Beige/Grey Stucco      **Location:**  
**Client No.:** AN-122      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      15 Fibrous Glass      85

**Lab No.:** 7540024(L2)      **Analyst Observation:** White Foam      **Location:**  
**Client No.:** AN-122      **Client Description:** Stucco      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540025  
**Client No.:** AO-123  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
2 Fibrous Glass  
2 Cellulose  
Percent Non-Fibrous Material:  
96

**Lab No.:** 7540025(L2)  
**Client No.:** AO-123  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

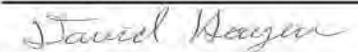
**Lab No.:** 7540025(L3)  
**Client No.:** AO-123  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
Trace Fibrous Glass  
Trace Cellulose  
Percent Non-Fibrous Material:  
100

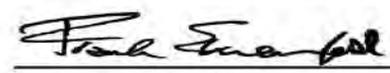
**Lab No.:** 7540026  
**Client No.:** AO-124  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
1 Fibrous Glass  
1 Cellulose  
Percent Non-Fibrous Material:  
98

**Lab No.:** 7540026(L2)  
**Client No.:** AO-124  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
None Detected  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540026(L3)  
**Client No.:** AO-124  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: *None Detected*  
Percent Non-Asbestos Fibrous Material:  
Trace Fibrous Glass  
Trace Cellulose  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

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Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540027  
**Client No.:** AO-125  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 Cellulose

**Lab No.:** 7540027(L2)  
**Client No.:** AO-125  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

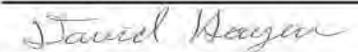
**Lab No.:** 7540027(L3)  
**Client No.:** AO-125  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

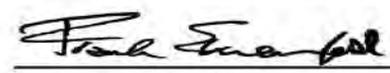
**Lab No.:** 7540028  
**Client No.:** AO-126  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 Cellulose

**Lab No.:** 7540028(L2)  
**Client No.:** AO-126  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540028(L3)  
**Client No.:** AO-126  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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Report Date: 12/19/2022  
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Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540029  
**Client No.:** AO-127  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 2 Fibrous Glass 97  
1 Cellulose

**Lab No.:** 7540029(L2)  
**Client No.:** AO-127  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

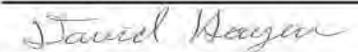
**Lab No.:** 7540029(L3)  
**Client No.:** AO-127  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

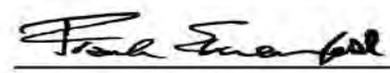
**Lab No.:** 7540030  
**Client No.:** AP-128  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 Cellulose

**Lab No.:** 7540030(L2)  
**Client No.:** AP-128  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540030(L3)  
**Client No.:** AP-128  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540031  
**Client No.:** AP-129  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 Cellulose

**Lab No.:** 7540031(L2)  
**Client No.:** AP-129  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

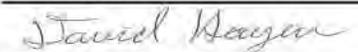
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**Client No.:** AP-129  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

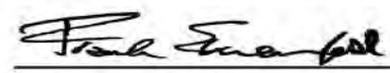
**Lab No.:** 7540032  
**Client No.:** AP-130  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 2 Fibrous Glass 97  
1 Cellulose

**Lab No.:** 7540032(L2)  
**Client No.:** AP-130  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540032(L3)  
**Client No.:** AP-130  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 99  
Trace Cellulose

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540033  
**Client No.:** AP-131  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 Cellulose

**Lab No.:** 7540033(L2)  
**Client No.:** AP-131  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

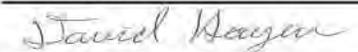
**Lab No.:** 7540033(L3)  
**Client No.:** AP-131  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

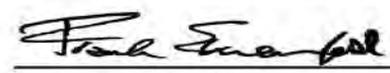
**Lab No.:** 7540034  
**Client No.:** AP-132  
**Analyst Observation:** Lt Grey Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Fibrous Glass 98  
1 None Detected

**Lab No.:** 7540034(L2)  
**Client No.:** AP-132  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

**Lab No.:** 7540034(L3)  
**Client No.:** AP-132  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Fibrous Glass 100  
Trace Cellulose

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540035  
**Client No.:** AQ-133  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Drywall  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
1 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
99

**Lab No.:** 7540035(L2)  
**Client No.:** AQ-133  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540035(L3)  
**Client No.:** AQ-133  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
Trace Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7540036  
**Client No.:** AQ-134  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Drywall  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
1 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
99

**Lab No.:** 7540036(L2)  
**Client No.:** AQ-134  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

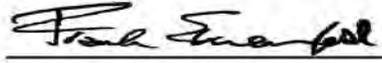
**Lab No.:** 7540036(L3)  
**Client No.:** AQ-134  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
Percent Non-Asbestos Fibrous Material:  
Trace Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

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Date Received: 12/14/2022  
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Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540037  
**Client No.:** AQ-135  
**Analyst Observation:** White Drywall  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* 1 Cellulose 99

**Lab No.:** 7540037(L2)  
**Client No.:** AQ-135  
**Analyst Observation:** White Joint Compound  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

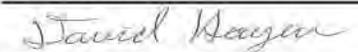
**Lab No.:** 7540037(L3)  
**Client No.:** AQ-135  
**Analyst Observation:** Composite  
**Client Description:** Drywall and Joint Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Cellulose 100

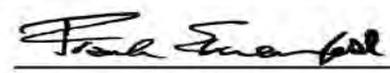
**Lab No.:** 7540038  
**Client No.:** AR-136  
**Analyst Observation:** Black/Clear Mastic  
**Client Description:** Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*PC 3.3 Chrysotile* None Detected 96.7

**Lab No.:** 7540039  
**Client No.:** AR-137  
**Analyst Observation:** Black/Clear Mastic  
**Client Description:** Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*PC 4.2 Chrysotile* None Detected 95.8

**Lab No.:** 7540040  
**Client No.:** AR-138  
**Analyst Observation:** Black/Clear Mastic  
**Client Description:** Black Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*PC 2.8 Chrysotile* None Detected 97.2

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
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Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540041  
**Client No.:** AS-139  
**Analyst Observation:** Yellow/Tan Mastic  
**Client Description:** Yellow Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Cellulose 100

**Lab No.:** 7540042  
**Client No.:** AS-140  
**Analyst Observation:** Yellow/Tan Mastic  
**Client Description:** Yellow Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Cellulose 100

**Lab No.:** 7540043  
**Client No.:** AS-141  
**Analyst Observation:** Yellow/Tan Mastic  
**Client Description:** Yellow Carpet Mastic  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Cellulose 100

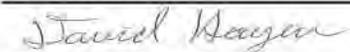
**Lab No.:** 7540044  
**Client No.:** AT-142  
**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow Mastic Over Grey Leveling Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

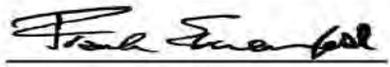
**Lab No.:** 7540044(L2)  
**Client No.:** AT-142  
**Analyst Observation:** Yellow/Grey Mastic/Leveling Compound  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow Mastic Over Grey Leveling Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* Trace Cellulose 100

Layers not separable.

**Lab No.:** 7540044(L3)  
**Client No.:** AT-142  
**Analyst Observation:** Grey Leveling Compound  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow Mastic Over Grey Leveling Compound  
**Location:**  
**Facility:**  
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:  
*None Detected* None Detected 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7540045  
Client No.: AT-143

**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow  
Mastic Over Grey Leveling Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7540045(L2)  
Client No.: AT-143

**Analyst Observation:** Yellow/Grey Mastic/Leveling  
Compound  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow  
Mastic Over Grey Leveling Compound  
Percent Non-Asbestos Fibrous Material:  
Trace Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Layers not separable.

Lab No.: 7540045(L3)  
Client No.: AT-143

**Analyst Observation:** Grey Leveling Compound  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow  
Mastic Over Grey Leveling Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7540046  
Client No.: AT-144

**Analyst Observation:** White/Grey Floor Tile  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow  
Mastic Over Grey Leveling Compound  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Lab No.: 7540046(L2)  
Client No.: AT-144

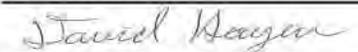
**Analyst Observation:** Yellow/Grey Mastic/Leveling  
Compound  
**Client Description:** 12"x12" White or Grey Floor Tile/Yellow  
Mastic Over Grey Leveling Compound  
Percent Non-Asbestos Fibrous Material:  
Trace Cellulose

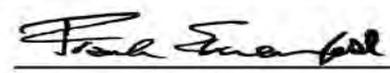
**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Percent Asbestos:  
*None Detected*

Layers not separable.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540046(L3)      **Analyst Observation:** Grey Leveling Compound      **Location:**  
**Client No.:** AT-144      **Client Description:** 12"x12" White or Grey Floor Tile/Yellow Mastic Over Grey Leveling Compound      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7540047      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** AU-145      **Client Description:** Tan Window Sill Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

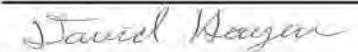
**Lab No.:** 7540048      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** AU-146      **Client Description:** Tan Window Sill Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

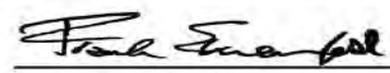
**Lab No.:** 7540049      **Analyst Observation:** Tan Mastic      **Location:**  
**Client No.:** AU-147      **Client Description:** Tan Window Sill Mastic      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      None Detected      100

**Lab No.:** 7540050      **Analyst Observation:** Black Roof Material      **Location:**  
**Client No.:** AV-148      **Client Description:** Roof Core      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      15 Fibrous Glass      55  
30 Cellulose

**Lab No.:** 7540050(L2)      **Analyst Observation:** Lt Brown Insulation      **Location:**  
**Client No.:** AV-148      **Client Description:** Roof Core      **Facility:**  
Percent Asbestos:      Percent Non-Asbestos Fibrous Material:      Percent Non-Fibrous Material:  
*None Detected*      85 Cellulose      15

Please refer to the Appendix of this report for further information regarding your analysis.

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Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7540051  
**Client No.:** AV-149  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Roof Material  
**Client Description:** Roof Core  
Percent Non-Asbestos Fibrous Material:  
15 Fibrous Glass  
30 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
55

**Lab No.:** 7540051(L2)  
**Client No.:** AV-149  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Lt Brown Insulation  
**Client Description:** Roof Core  
Percent Non-Asbestos Fibrous Material:  
85 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
15

**Lab No.:** 7540052  
**Client No.:** AV-150  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Roof Material  
**Client Description:** Roof Core  
Percent Non-Asbestos Fibrous Material:  
15 Fibrous Glass  
30 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
55

**Lab No.:** 7540052(L2)  
**Client No.:** AV-150  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Lt Brown Insulation  
**Client Description:** Roof Core  
Percent Non-Asbestos Fibrous Material:  
85 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
15

**Lab No.:** 7540053  
**Client No.:** AW-151  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Sealant  
**Client Description:** Black Roof Sealant  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose

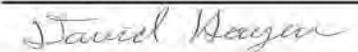
**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

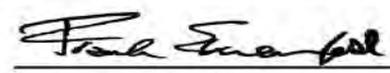
**Lab No.:** 7540054  
**Client No.:** AW-152  
Percent Asbestos:  
*None Detected*

**Analyst Observation:** Black Sealant  
**Client Description:** Black Roof Sealant  
Percent Non-Asbestos Fibrous Material:  
10 Cellulose

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
90

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 7540055  
Client No.: AW-153

Analyst Observation: Black Sealant  
Client Description: Black Roof Sealant

Location:  
Facility:

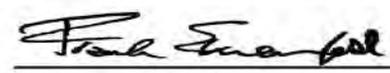
Percent Asbestos:  
*None Detected*

Percent Non-Asbestos Fibrous Material:  
10 Cellulose

Percent Non-Fibrous Material:  
90

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/14/2022  
Date Analyzed: 12/19/2022  
Signature:   
Analyst: David Hayes

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

---

CERTIFICATE OF ANALYSIS

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Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

## Appendix to Analytical Report

**Customer Contact:** Kate Baney

**Method:** 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com

**iATL Office Manager:** wchampion@iatl.com

**iATL Account Representative:** Semih Kocahasan

**Sample Login Notes:** See Batch Sheet Attached

**Sample Matrix:** Bulk Building Materials

**Exceptions Noted:** See Following Pages

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iATL.com](http://www.iATL.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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### Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

### Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

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CERTIFICATE OF ANALYSIS

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Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gänge, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite ([https://www.wadsworth.org/sites/default/files/WebDoc/I198\\_8\\_02\\_2.pdf](https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf))

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116  
**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% for most samples.

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CERTIFICATE OF ANALYSIS

---

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 12/19/2022  
Report No.: 674518 - PLM  
Project: United Way of Central Ohio  
Project No.: N6227397

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

\*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.

CERTIFICATE OF ANALYSIS

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Report Date: 1/10/2023  
Report No.: 675951 - PLM  
Project: United Way  
Project No.: N6227357

Client: TER325

PLM BULK SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7550664  
**Client No.:** AX-4  
Percent Asbestos:  
**PC 1.3 Chrysotile**

**Analyst Observation:** Tan/Black Paint/Joint Compound  
**Client Description:** Black Coating  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
98.7

Layers not separable.  
Insufficient material provided to verify results.

**Lab No.:** 7550665  
**Client No.:** AX-5  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Black Paint  
**Client Description:** Black Coating  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7550666  
**Client No.:** AX-6  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Black Paint  
**Client Description:** Black Coating  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7550667  
**Client No.:** AY-7  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Brown Mastic  
**Client Description:** Brown Duct Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

**Lab No.:** 7550668  
**Client No.:** AY-8  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Brown Mastic  
**Client Description:** Brown Duct Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

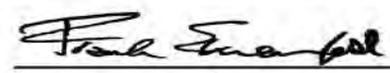
**Lab No.:** 7550669  
**Client No.:** AY-9  
Percent Asbestos:  
**None Detected**

**Analyst Observation:** Brown Mastic  
**Client Description:** Brown Duct Mastic  
Percent Non-Asbestos Fibrous Material:  
None Detected

**Location:**  
**Facility:**  
Percent Non-Fibrous Material:  
100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/9/2023  
Date Analyzed: 01/10/2023  
Signature:   
Analyst: Christopher Riffe

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

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CERTIFICATE OF ANALYSIS

---

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 1/10/2023  
Report No.: 675951 - PLM  
Project: United Way  
Project No.: N6227357

## Appendix to Analytical Report

**Customer Contact:** Kate Baney

**Method:** 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com

**iATL Office Manager:** wchampion@iatl.com

**iATL Account Representative:** Semih Kocahasan

**Sample Login Notes:** See Batch Sheet Attached

**Sample Matrix:** Bulk Building Materials

**Exceptions Noted:** See Following Pages

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iATL.com](http://www.iATL.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

### Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

### Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

---

CERTIFICATE OF ANALYSIS

---

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 1/10/2023  
Report No.: 675951 - PLM  
Project: United Way  
Project No.: N6227357

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite ([https://www.wadsworth.org/sites/default/files/WebDoc/I198\\_8\\_02\\_2.pdf](https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf))

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116  
**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% for most samples.

---

CERTIFICATE OF ANALYSIS

---

Client: Terracon Consultants, Inc.  
12460 Plaza Drive  
Parma OH 44130

Client: TER325

Report Date: 1/10/2023  
Report No.: 675951 - PLM  
Project: United Way  
Project No.: N6227357

2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

\*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

## Chain of Custody

-Bulk Asbestos -

<b>Contact Information</b>	
<b>Client Company:</b> <u>Terracon Consultants, Inc.</u>	<b>Project Number:</b> <u>N/6227357</u>
<b>Office Address:</b> <u>12460 Plaza Drive</u>	<b>Project Name:</b> <u>United Way of Central Ohio</u>
<b>City, State, Zip:</b> <u>Parma, Ohio 44130</u>	<b>Primary Contact:</b> <u>Wade Mangus</u>
<b>Fax Number:</b> <u>(216) 459-8954</u>	<b>Office Phone:</b> <u>(216) 459-8378</u>
<b>Email Address:</b> <u>wade.mangus@terracon.com</u>	<b>Cell Phone:</b> <u>(440) 376-7036</u>
<u>kate.baney@terracon.com</u>	

<b>PLM Instructions:</b>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input checked="" type="checkbox"/> PLM: Point Counting	<input type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input checked="" type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input checked="" type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material*** (Dust, Wipe, Tape)
<input checked="" type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis*
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
<b>Special Instructions:</b> _____	
* Additional charge and turnaround may be required    ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory	

<b>Turnaround Time</b>	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
<input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<b>Chain of Custody</b>			
Relinquished (Name/Organization): <u>Wade Mangus</u>	Date: <u>12/13/2022</u>	Time: <u>1600</u>	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): <u>LSR</u>	Date: <u>12-18-22</u>	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

## Chain of Custody

-Bulk Asbestos -

### Contact Information

<b>Client Company:</b> <u>Terracon Consultants, Inc.</u>	<b>Project Number:</b> <u>16227357</u>
<b>Office Address:</b> <u>12460 Plaza Drive</u>	<b>Project Name:</b> <u>United Way of Central Ohio</u>
<b>City, State, Zip:</b> <u>Parma, Ohio 44130</u>	<b>Primary Contact:</b> <u>Wade Mangus</u>
<b>Fax Number:</b> <u>(216) 459-8954</u>	<b>Office Phone:</b> <u>(216) 459-8378</u>
<b>Email Address:</b> <u>wade.mangus@terracon.com</u>	<b>Cell Phone:</b> <u>(440) 376-7036</u>
<u>kate.baney@terracon.com</u>	

### PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009
  
- PLM: Point Counting
  - PC: via ELAP 198.1
  - PC: 400 Points
  - PC: 800 Points \*
  - PC: 1600 Points \*
- PLM: Instructions for Multi-Layered Samples
  - Analyze and Report All Separable Layers per EPA 600
  - Report Composite for Drywall Systems per NESHAP
  - Report All Layers and Composite Where Applicable
  - Only Analyze and Report Specifically Noted Layer
- PLM: Analyze Until Positive (Positive Stop)
  - AUP: by Homogenous Area as Noted
  - AUP: by Material Type as Noted
- PLM: NOB via 198.6
  - PLM: Friable via EPA 600 2.3
  - If <1% by PLM, to TEM via 198.4 \*
  - If <1% by PLM, Hold for Instructions
- PLM: Non-Building Material\*\*\* (Dust, Wipe, Tape)
  - Soil or Vermiculite Analysis
  - CARB 435

### Special Instructions:

\_\_\_\_\_

\* Additional charge and turnaround may be required    \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_  Verbal  Email  Fax

Specific date / time

10 Day  5 Day  3 Day  2 Day  1 Day\*  12 Hour\*\*  6 Hour\*\*  RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): <u>Wade Mangus</u>	Date: <u>12/13/2022</u>	Time: <u>1600</u>
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): _____	Date: _____	Time: _____
Analysis(Name(s) / iATL): <u>SP</u>	Date: <u>12-17-22</u>	Time: _____
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____
		Time: _____

## Chain of Custody

-Bulk Asbestos -

### Contact Information

**Client Company:** Terracon Consultants, Inc.  
**Office Address:** 12460 Plaza Drive  
**City, State, Zip:** Parma, Ohio 44130  
**Fax Number:** (216) 459-8954  
**Email Address:** wade.mangus@terracon.com  
kate.baney@terracon.com

**Project Number:** N6227357  
**Project Name:** United Way of Central Ohio  
**Primary Contact:** Wade Mangus  
**Office Phone:** (216) 459-8378  
**Cell Phone:** (440) 376-7036

### PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
  - PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
  - PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
  - PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
  - PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
  - TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009
- 
- PLM: Point Counting
    - PC: via ELAP 198.1
    - PC: 400 Points
    - PC: 800 Points \*
    - PC: 1600 Points \*
  - PLM: Instructions for Multi-Layered Samples
    - Analyze and Report All Separable Layers per EPA 600
    - Report Composite for Drywall Systems per NESHAP
    - Report All Layers and Composite Where Applicable
    - Only Analyze and Report Specifically Noted Layer
- 
- PLM: Analyze Until Positive (Positive Stop)
    - AUP: by Homogenous Area as Noted
    - AUP: by Material Type as Noted
  - PLM: NOB via 198.6
    - PLM: Friable via EPA 600 2.3
    - If <1% by PLM, to TEM via 198.4 \*
    - If <1% by PLM, Hold for Instructions
  - PLM: Non-Building Material<sup>\*\*\*</sup> (Dust, Wipe, Tape)
    - Soil or Vermiculite Analysis<sup>\*</sup>
    - CARB 435

### Special Instructions:

\_\_\_\_\_

\* Additional charge and turnaround may be required \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_  Verbal  Email  Fax

Specific date / time

10 Day  5 Day  3 Day  2 Day  1 Day\*  12 Hour\*\*  6 Hour\*\*  RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): <u>Wade Mangus</u>	Date: <u>12/13/2022</u>	Time: <u>1600</u>	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	
Analysis(Name(s) / iATL): <u>David Mangus</u>	Date: <u>12/14/22</u>	Time: _____	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

**Terracon Project: N6227357**  
**United Way of Central Ohio**  
**360 South 3<sup>rd</sup> Street**  
**Columbus, Franklin County, Ohio**

### ASBESTOS INSPECTION SAMPLE SUMMARY

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
A	A-01	7539903	Yellow/black carpet mastic		PLM
	A-02	7539904			
	A-03	7539905			
B	B-04	7539906	12"x12" White or gray floor tile and yellow/black mastic		PLM
	B-05	7539907			
	B-06	7539908			
C	C-07	7539909	4" Dark gray cove base and tan mastic		PLM
	C-08	7539910			
	C-09	7539911			
D	D-10	7539912	Gray sink undercoating		PLM
	D-11	7539913			
	D-12	7539914			
E	E-13	7539915	White window caulk		PLM
	E-14	7539916			
	E-15	7539917			
F	F-16	7539918	Black window caulk		PLM
	F-17	7539919			
	F-18	7539920			
G	G-19	7539921	2'x2' Ceiling tile (pin-prick/gash pattern)		PLM
	G-20	7539922			
	G-21	7539923			
H	H-22	7539924	Drywall and joint compound		PLM
	H-23	7539925			

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
	H-24	7539926			
	H-25	7539927			
	H-26	7539928			
I	I-27	7539929	2'x4' Ceiling tile (pin-prick/gash/2'x2' pattern)		PLM
	I-28	7539930			
	I-29	7539931			
J	J-30	7539932	4" Pink cove base and yellow mastic		PLM
	J-31	7539933			
	J-32	7539934			
K	K-33	7539935	4" Light blue cove base and tan mastic		PLM
	K-34	7539936			
	K-35	7539937			
L	L-36	7539938	4" Brown cove base and tan mastic		PLM
	L-37	7539939			
	L-38	7539940			
M	M-39	7539941	4" Tan cove base and cream mastic		PLM
	M-40	7539942			
	M-41	7539943			
N	N-42	7539944	4" Dark blue cove base and cream mastic		PLM
	N-43	7539945			
	N-44	7539946			
O	O-45	7539947	4" White cove base and tan mastic		PLM
	O-46	7539948			
	O-47	7539949			
P	P-48	7539950	4" Red cove base and cream mastic		PLM
	P-49	7539951			
	P-50	7539952			
Q	Q-51	7539953	2'x2' Ceiling tile (bumpy texture)		PLM

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
	Q-52	7539954			
	Q-53	7539955			
R	R-54	7539956	4" Yellow cove base and cream mastic		PLM
	R-55	7539957			
	R-56	7539958			
S	S-57	7539959	Black window glazing gasket		PLM
	S-58	7539960			
	S-59	7539961			
T	T-60	7539962	Beige sheet flooring/mastic over gray leveling compound and yellow/black mastic		PLM
	T-61	7539963			
	T-62	7539964			
U	U-63	7539965	Yellow carpet mastic		PLM
	U-64	7539966			
	U-65	7539967			
V	V-66	7539968	Drywall and joint compound		PLM
	V-67	7539969			
	V-68	7539970			
W	W-69	7539971	Dark brown window caulk		PLM
	W-70	7539972			
	W-71	7539973			
X	X-72	7539974	Light brown window caulk		PLM
	X-73	7539975			
	X-74	7539976			
Y	Y-75	7539977	24"x24" Textured floor tile and yellow/black mastic		PLM
	Y-76	7539978			
	Y-77	7539979			
Z	Z-78	7539980	Blue stair tread and yellow/black mastic		PLM
	Z-79	7539981			

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
	Z-80	7539982			
AA	AA-81	7539983	Drywall and joint compound		PLM
	AA-82	7539984			
	AA-83	7539985			
AB	AB-84	7539986	4" Black cove base and mastic		PLM
	AB-85	7539987			
	AB-86	7539988			
AC	AC-87	7539989	Black sink undercoating		PLM
	AC-88	7539990			
	AC-89	7539991			
AD	AD-90	7539992	2'x2' Ceiling tile (rough texture)		PLM
	AD-91	7539993			
	AD-92	7539994			
AE	AE-93	7539995	Gray faux wood plank flooring and cream mastic		PLM
	AE-94	7539996			
	AE-95	7539997			
AF	AF-96	7539998	4" Blue cove base and tan mastic		PLM
	AF-97	7539999			
	AF-98	7540000			
AG	AG-99	7540001	Yellow carpet mastic		PLM
	AG-100	7540002			
	AG-101	7540003			
AH	AH-102	7540004	Brown stair tread and yellow mastic		PLM
	AH-103	7540005			
	AH-104	7540006			
AI	AI-105	7540007	Yellow/black carpet mastic		PLM
	AI-106	7540008			
	AI-107	7540009			

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
AJ	AJ-108	7540010	Mudded pipe fitting insulation		PLM
	AJ-109	7540011			
	AJ-110	7540012			
AK	AK-111	7540013	Black window caulk		PLM
	AK-112	7540014			
	AK-113	7540015			
AL	AL-114	7540016	Brown window caulk		PLM
	AL-115	7540017			
	AL-116	7540018			
AM	AM-117	7540019	Light gray building caulk		PLM
	AM-118	7540020			
	AM-119	7540021			
AN	AN-120	7540022	Stucco		PLM
	AN-121	7540023			
	AN-122	7540024			
AO	AO-123	7540025	Drywall and joint compound		PLM
	AO-124	7540026			
	AO-125	7540027			
	AO-126	7540028			
	AO-127	7540029			
AP	AP-128	7540030	Drywall and joint compound		PLM
	AP-129	7540031			
	AP-130	7540032			
	AP-131	7540033			
	AP-132	7540034			
AQ	AQ-133	7540035	Drywall and joint compound		PLM
	AQ-134	7540036			
	AQ-135	7540037			

HA	Sample Number	IATL #	Material Description	Sample Locations	Notes/Test
AR	AR-136	7540038	Black mastic		PLM
	AR-137	7540039			
	AR-138	7540040			
AS	AS-139	7540041	Yellow carpet mastic		PLM
	AS-140	7540042			
	AS-141	7540043			
AT	AT-142	7540044	12"x12" White or gray floor tile/yellow mastic over gray leveling compound		PLM
	AT-143	7540045			
	AT-144	7540046			
AU	AU-145	7540047	Tan windowsill mastic		PLM
	AU-146	7540048			
	AU-147	7540049			
AV	AV-148	7540050	Roof core		PLM
	AV-149	7540051			
	AV-150	7540052			
AW	AW-151	7540053	Black roof sealant		PLM
	AW-152	7540054			
	AW-153	7540055			

## Chain of Custody

- Bulk Asbestos -

### Contact Information

**Client Company:** Terracon Consultants, Inc.  
**Office Address:** 12460 Plaza Drive  
**City, State, Zip:** Parma, Ohio 44130  
**Fax Number:** (216) 459-8954  
**Email Address:** kate.baney@terracon.com

**Project Number:** N6227357  
**Project Name:** UNITED way  
**Primary Contact:** Kate Baney  
**Office Phone:** (216) 303-7074  
**Cell Phone:** 216-544-5409

### PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- PLM: Point Counting
  - PC: via ELAP 198.1
  - PC: 400 Points
  - PC: 800 Points \*
  - PC: 1600 Points \*

- PLM: Instructions for Multi-Layered Samples
  - Analyze and Report All Separable Layers per EPA 600
  - Report Composite for Drywall Systems per NESHAP
  - Report All Layers and Composite Where Applicable
  - Only Analyze and Report Specifically Noted Layer

- PLM: Analyze Until Positive (Positive Stop)
  - AUP: by Homogenous Area as Noted
  - AUP: by Material Type as Noted
- PLM: NOB via 198.6
  - PLM: Friable via EPA 600 2.3
  - If <1% by PLM, to TEM via 198.4 \*
  - If <1% by PLM, Hold for Instructions
- PLM: Non-Building Material \*\*\* (Dust, Wipe, Tape)
  - Soil or Vermiculite Analysis \*
  - CARB 435

### Special Instructions:

\* Additional charge and turnaround may be required \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: TERRACON CLESTO  Verbal  Email  Fax

Specific date / time

10 Day  5 Day  3 Day  2 Day  1 Day\*  12 Hour\*\*  6 Hour\*\*  RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): <u>Kate Baney/Terracon</u>	Date: <u>01/06/23</u>	Time: <u>1:17 PM</u>	<b>RECEIVED</b>
Received (Name / iATL): <u>[Signature]</u>	Date: _____	Time: _____	
Sample Login (Name / iATL): <u>[Signature]</u>	Date: _____	Time: _____	
Analysis (Name(s) / iATL): <u>[Signature]</u>	Date: <u>1/10/23</u>	Time: <u>3:00</u>	
QA/QC Review (Name / iATL): _____	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: <u>JAN - 11 2023</u>



**APPENDIX D**

**LICENSES AND CERTIFICATIONS**



**Mike DeWine**, Governor  
**Jon Husted**, Lt. Governor  
**Laurie A. Stevenson**, Director

3/23/2021

Wade Mangus  
7680 N Linden Ln  
Parma, OH 44130

RE: Evaluation Specialist  
Certification Number: ES35877  
Expiration Date: 3/28/2022

Dear Wade Mangus:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at [asbestoslicensing@epa.ohio.gov](mailto:asbestoslicensing@epa.ohio.gov).

Sincerely,

Joshua S. Koch  
Manager, Business Operations Support Section  
Ohio EPA - Division of Air Pollution Control



State of Ohio  
Environmental Protection Agency  
Asbestos Program

Asbestos Hazard Evaluation Specialist

Craig  
Thompson



27850 Annetta Drive  
Solon OH 44139



Certification Number    Expiration Date

ES547319

8/18/23

DOB: 1/25/99

Card not Valid  
If Altered



Mike DeWine, Governor  
Jon Husted, Lt. Governor  
Laurie A. Stevenson, Director

3/29/2022

Catherine Baney  
Terracon Consultants  
12460 Plaza Drive  
Parma, OH 44130

RE: Evaluation Specialist  
Certification Number: ES34423  
Expiration Date: 5/11/2023

Dear Catherine Baney:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at [asbestoslicensing@epa.ohio.gov](mailto:asbestoslicensing@epa.ohio.gov).

Sincerely,

Joshua S. Koch  
Manager, Business Operations Support Section  
Ohio EPA - Division of Air Pollution Control

State of Ohio  
Environmental Protection Agency  
Asbestos Program

**Asbestos Hazard Evaluation Specialist**

Catherine Baney




Terracon Consultants  
12460 Plaza Drive  
Parma OH 44130

Certification Number	Expiration Date	DOB: 10/5/72
ES34423	5/11/23	Card not valid if altered

O. Box 1049 • Columbus, OH 43216-1049  
1-3020 • (614) 644-3184 (fax)

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2017

---

NVLAP LAB CODE: 101165-0

## International Asbestos Testing Laboratories

Mt. Laurel, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

### **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

---

2022-07-01 through 2023-06-30

Effective Dates



A handwritten signature in black ink, appearing to read 'John S. Lamm'.

For the National Voluntary Laboratory Accreditation Program

**APPENDIX E**  
**PHOTOGRAPHS**



**Photo #1** Typical view of the exterior of the building.



**Photo #2** Another view of the exterior of the building.



**Photo #3** HA Group S: Interior windows with asbestos-containing black window glazing gasket (1.4% chrysotile by PC).



**Photo #4** HA Group W: Asbestos-containing dark brown window caulk (5.1% chrysotile by PC) on interior side of windows.



**Photo #5 HA Groups Y and Z:** Non-ACM blue floor tile and blue stair tread with asbestos-containing yellow/black mastic (1.1% chrysotile by PC) beneath.



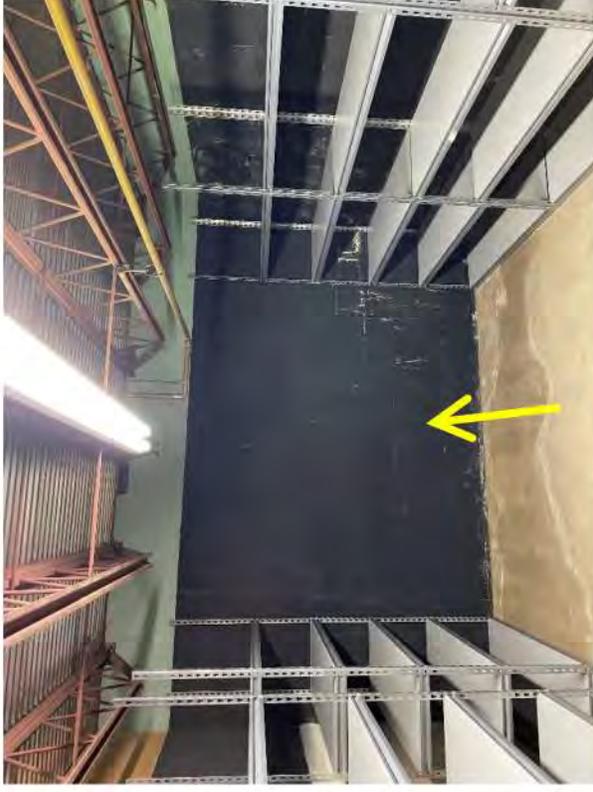
**Photo #6 HA Group AI:** Asbestos-containing yellow/black carpet mastic (2.3% chrysotile by PC).



**Photo #7 HA Group AJ:** Asbestos-containing mudded pipe fitting insulation (0.24% chrysotile by PC; not regulated by EPA NESHAP).



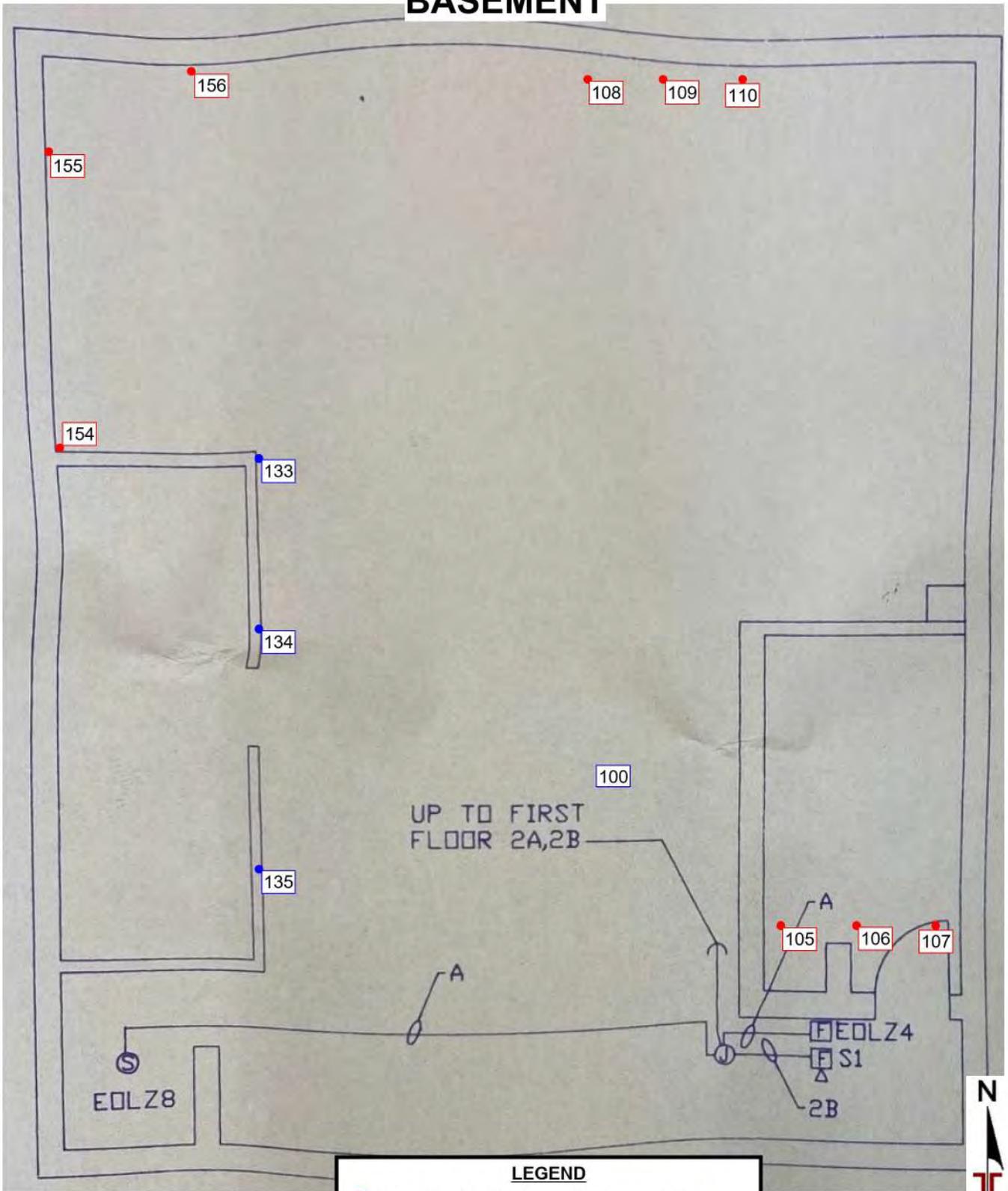
**Photo #8 HA Group AR:** Asbestos-containing residual black mastic (4.2% chrysotile by PC).



**Photo #9 HA Group AX:** Asbestos-containing black waterproofing material (1.3% chrysotile by PC).

**APPENDIX F**  
**SAMPLE LOCATION DRAWINGS**

# BASEMENT



**LEGEND**

- Samples identified as asbestos-containing
- Samples identified as non-asbestos-containing

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	WM	Project No.	N6227357
Drawn by:	WM	Scale:	NO SCALE
Checked by:	KB	File Name:	Exhibit 1
Approved by:	KB	Date:	12/29/2022



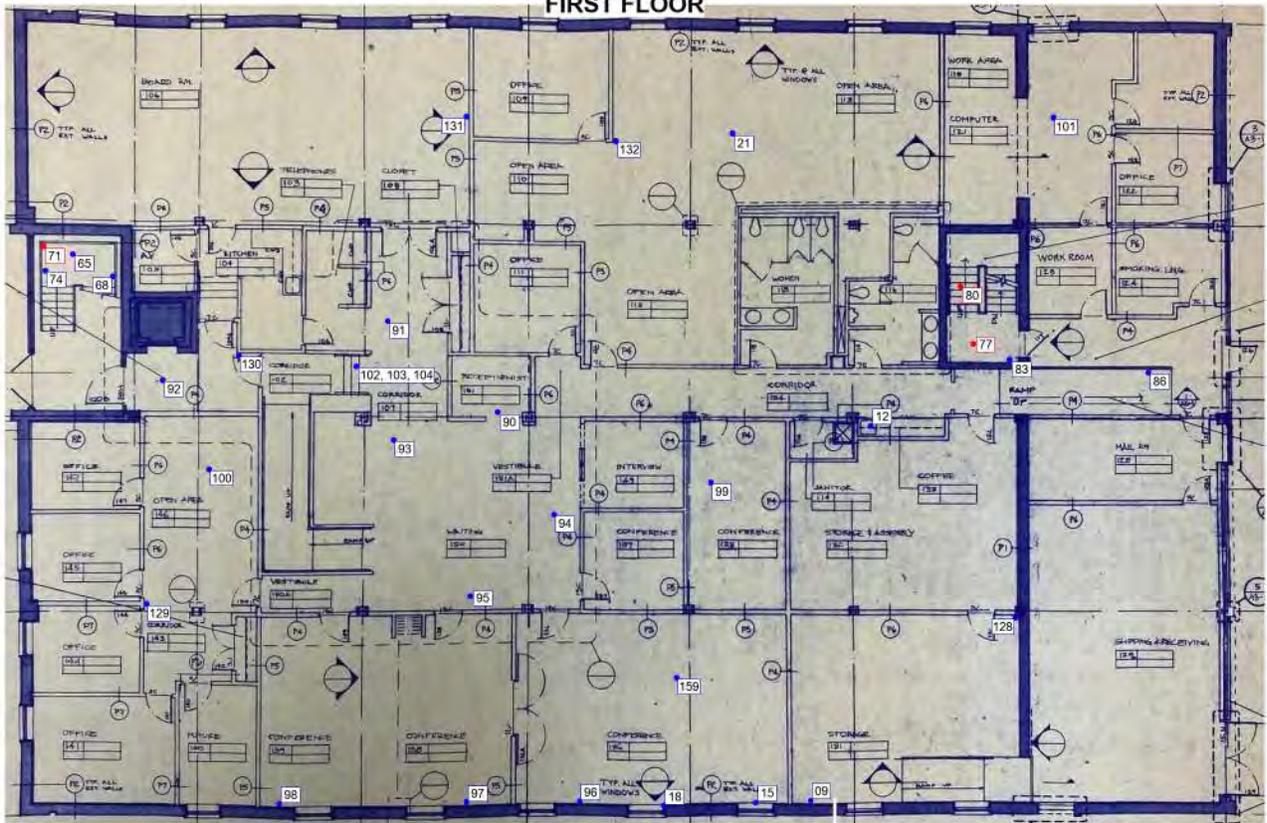
12460 Plaza Drive  
Cleveland, Ohio 44130

**SAMPLE LOCATION DRAWING**

The United Way of Central Ohio  
360 South 3rd Street  
Columbus, Ohio

Exhibit	1
---------	---

**FIRST FLOOR**



**LEGEND**

- Samples identified as asbestos-containing
- Samples identified as non-asbestos-containing

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: WM  
 Drawn by: WM  
 Checked by: KB  
 Approved by: KB

Project No. N6227357  
 Scale: NO SCALE  
 File Name: Exhibit 2  
 Date: 12/29/2022

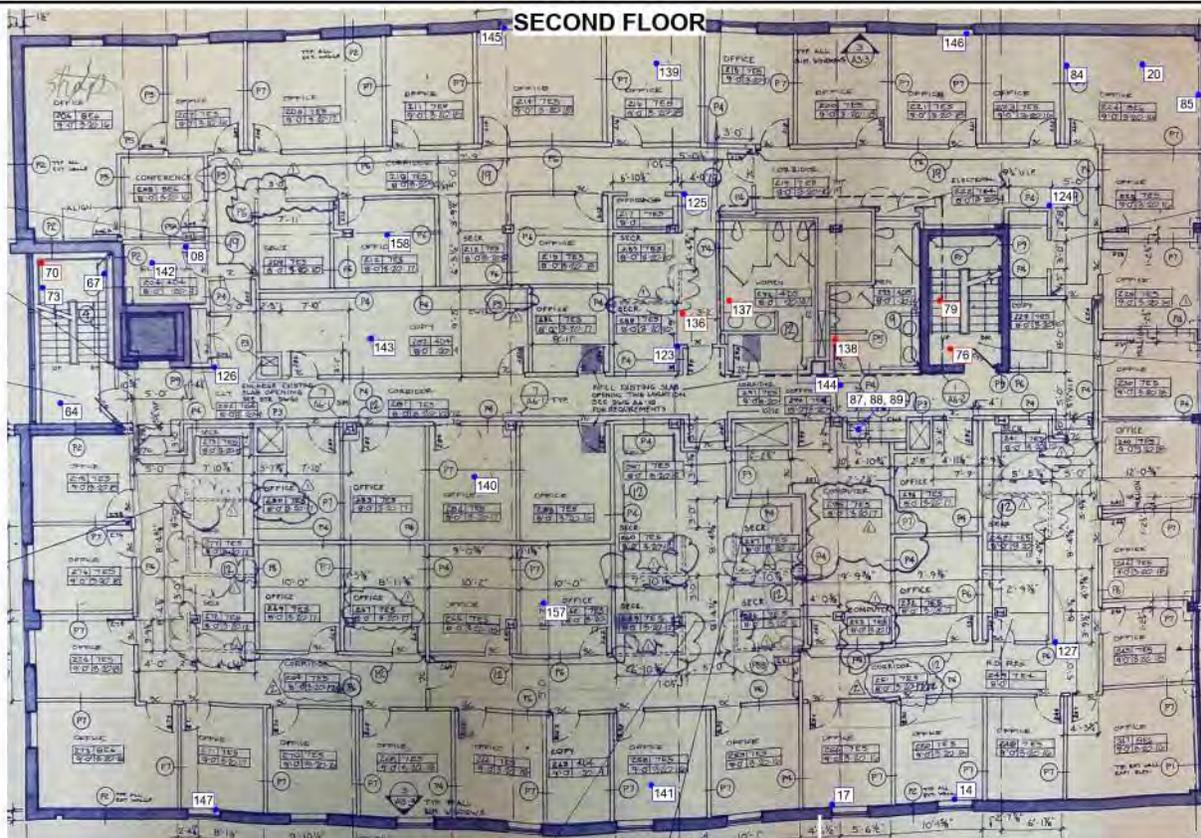


**SAMPLE LOCATION DRAWING**

The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit

2



LEGEND	
●	Samples identified as asbestos-containing
●	Samples identified as non-asbestos-containing

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

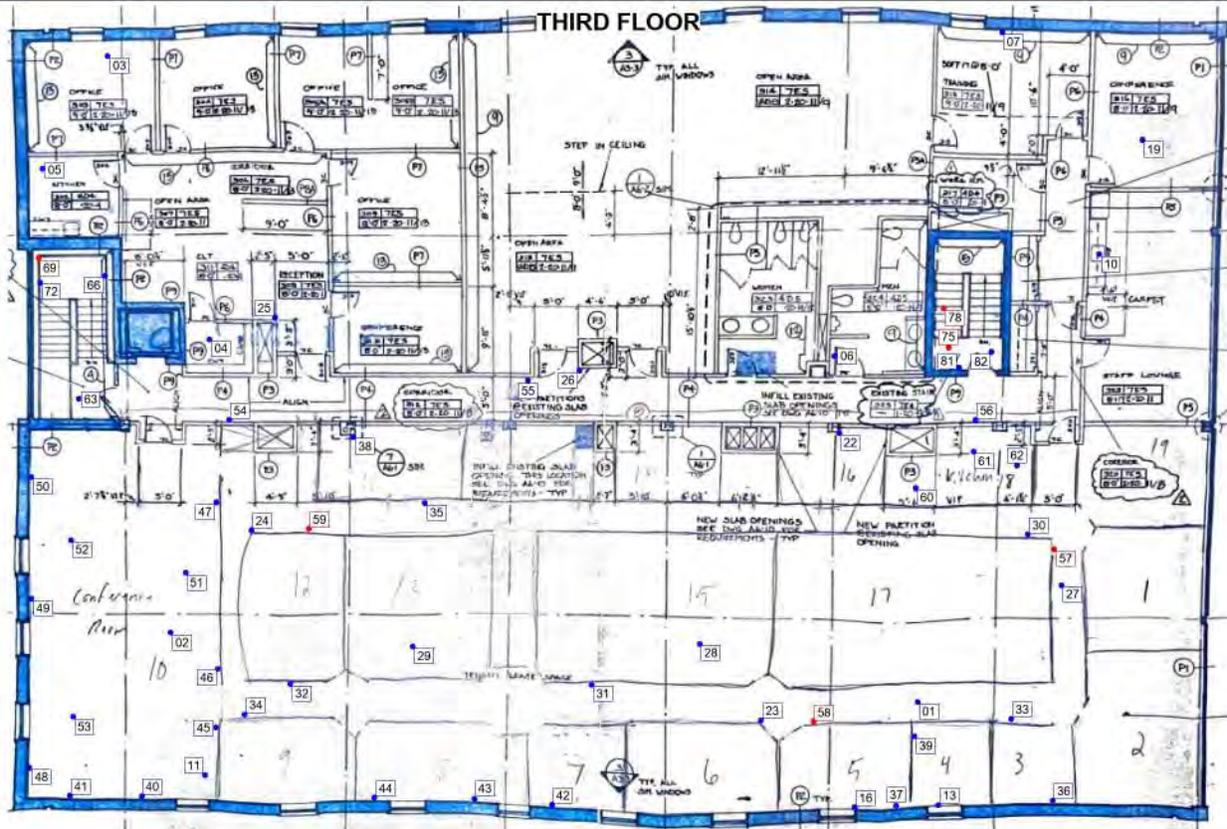
Project Manager:	WM
Drawn by:	WM
Checked by:	KB
Approved by:	KB

Project No:	N6227357
Scale:	NO SCALE
File Name:	Exhibit 3
Date:	12/29/2022



<b>SAMPLE LOCATION DRAWING</b>
The United Way of Central Ohio 360 South 3rd Street Columbus, Ohio

Exhibit
3



**LEGEND**  
 ● Samples identified as asbestos-containing  
 ● Samples identified as non-asbestos-containing

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	WM	Project No:	N6227357
Drawn by:	WM	Scale:	NO SCALE
Checked by:	KB	File Name:	Exhibit 4
Approved by:	KB	Date:	12/29/2022

**terracon**  
 12460 Plaza Drive  
 Cleveland, Ohio 44130

**SAMPLE LOCATION DRAWING**  
 The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit  
 4

**ROOF AND EXTERIOR**



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	WM	Project No.	N6227357
Drawn by:	WM	Scale:	AS SHOWN
Checked by:	KB	File Name:	Exhibit 5
Approved by:	KB	Date:	12/29/2022

**terracon**  
 12460 Plaza Drive  
 Cleveland, Ohio 44130

**SAMPLE LOCATION DRAWING**  
 The United Way of Central Ohio  
 360 South 3rd Street  
 Columbus, Ohio

Exhibit  
**5**

November 6, 2024

Moody Nolan, Inc.  
300 Spruce Street  
Columbus, Ohio 43215

Attn: Mr. Anup Janardhanan  
P: (614) 280-3220  
E: AnupJ@moodynolan.com

Re: United Way of Central Ohio  
360 South 3<sup>rd</sup> Street  
Columbus, Franklin County, Ohio 43215  
Terracon Project No. N6227357

Dear Mr. Janardhanan:

Terracon Consultants, Inc. (Terracon) is pleased to submit this asbestos inspection addendum letter report to the original asbestos inspection report which Terracon prepared and issued on January 13, 2023, regarding the above-referenced property.

## **Background**

For this assessment effort, Terracon reviewed the demolition and site plan drawings (80% design stage) prepared by Korda Nemeth Engineering, as well as the demolition plan and typical exterior elevation (80% design stage) prepared by Moody Nolan, Inc., which were all dated September 12, 2024. Upon this review, Terracon conducted a building walkthrough on October 31, 2024, to verify and confirm the presence of the asbestos-containing materials (ACM) identified in the January 13, 2023, asbestos inspection report, as well as evaluate any additional suspect ACM that were not captured in the original inspection due to lack of accessibility, or other factors.

## **Site Activity and Findings**

On October 31, 2024, Terracon representative Mr. Ryan Malott, Ohio Environmental Protection Agency (OEPA)-Certified Asbestos Hazard Evaluation Specialist (AHES; #ES33506) visited the above referenced project site to confirm the presence, quantities, and locations of existing ACM, which were previously identified by Terracon and documented within the January 13, 2023, asbestos inspection report. The existing ACM reported by Terracon were confirmed to be present during the October 31, 2024, site visit. The following additional ACM were also observed and assumed to be present, which were not included within the January 13, 2023, asbestos inspection report:

- ACM Category II Non-Friable Fire Doors:
  - Basement – 1 door (~20 total square feet)
  - First Floor – 25 doors (~500 total square feet)
  - Second Floor – 11 doors (~220 total square feet)
  - Third Floor – 9 doors (~180 total square feet)
- ACM Category II Non-Friable Elevator Fire Doors:
  - First Floor – 2 doors (~40 total square feet)
  - Second Floor – 2 doors (~40 total square feet)
  - Third Floor – 2 doors (~40 total square feet)
- ACM Category II Non-Friable Cementitious (Transite™) Contact Switches Associated with Electrical Panels:
  - Basement – 1 Panel (~18 total square feet)
  - First Floor – 2 panels (~8 total square feet)
  - Second Floor – 3 panels (~12 total square feet)
  - Third Floor – 3 panels (~9 total square feet)

Asbestos-containing material location diagrams for the above assumed asbestos-containing materials are included within Attachment A. The inspector's credentials are within Attachment B.

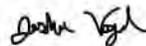
Terracon appreciates the opportunity to provide this service to Moody Nolan, Inc. If you have any questions regarding this report, please contact the undersigned.

Sincerely,

**Terracon**



Ryan T. Malott, MBA, CIH, CSP  
Group Manager | Asbestos & IH Services



Josh Vogel  
Group Manager | Asbestos & IH Services

**Attachments:** Attachment A – Asbestos Material Location Diagrams  
Attachment B – Inspector's Credentials

**Asbestos Inspection Report - Addendum**

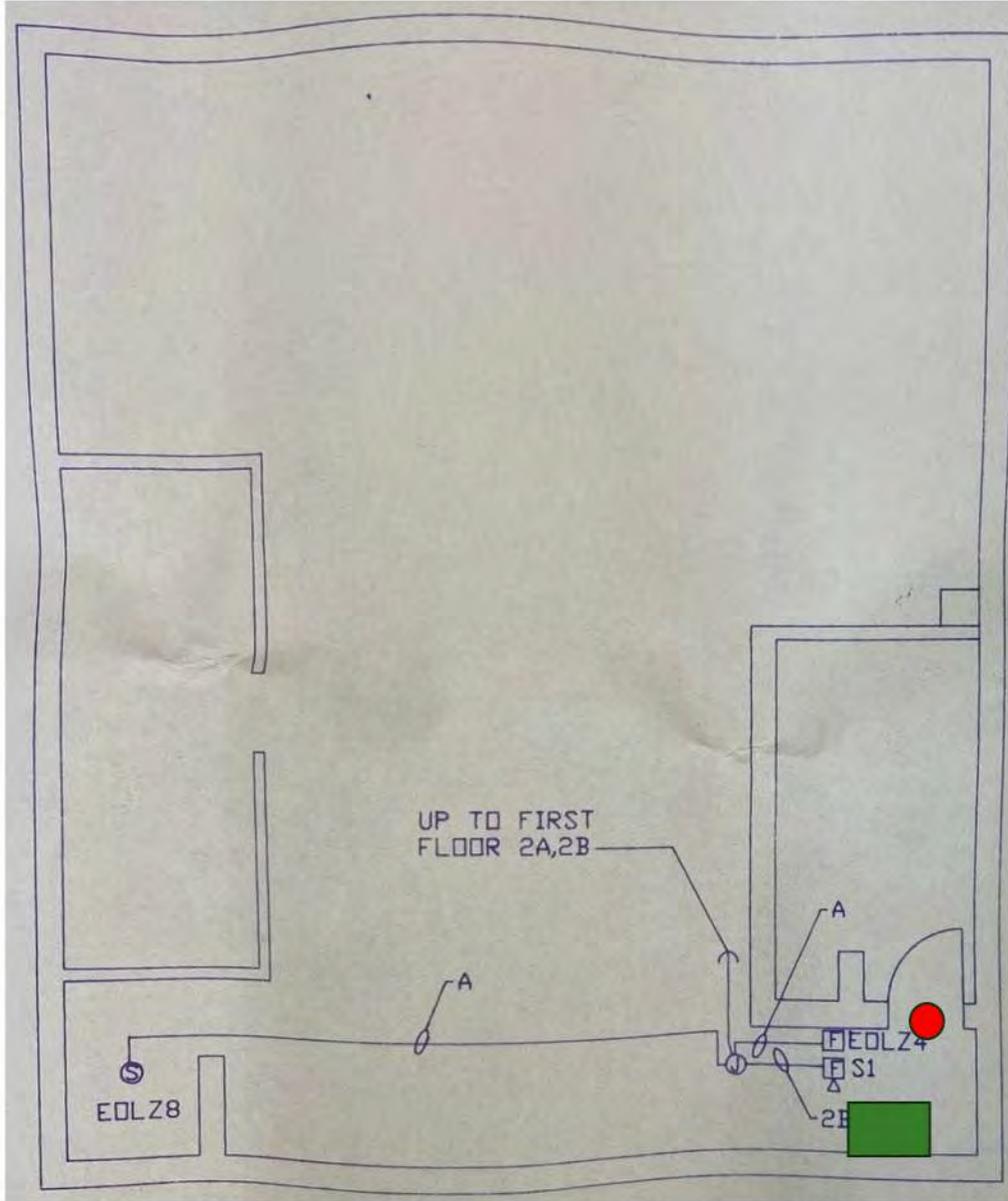
United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



**ATTACHMENT A**

**Asbestos Material Location Diagrams**

### Basement



### Legend:

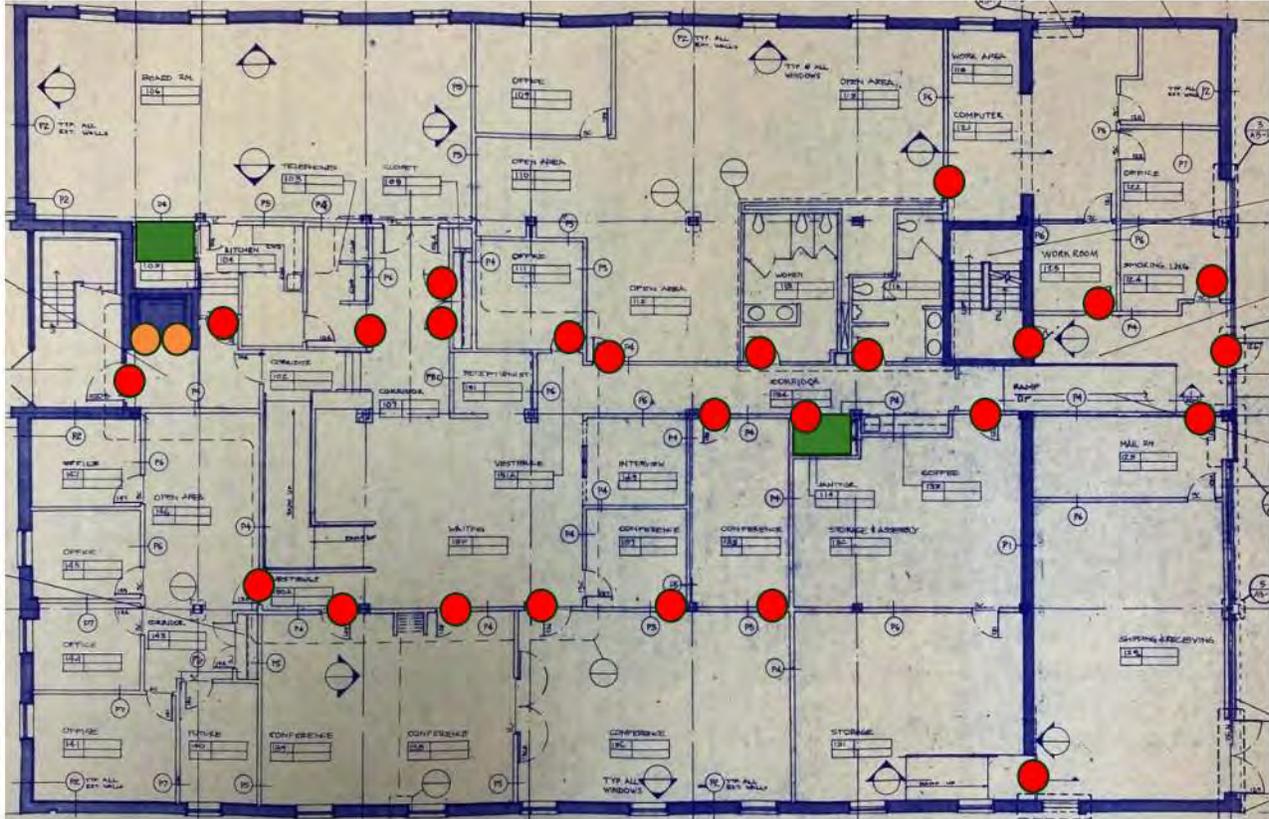
-  Assumed Asbestos-Containing ACM (AACM) Fire Doors
-  AACM Cementitious (Transite™) Contact Switches

**Asbestos Inspection Report - Addendum**

United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



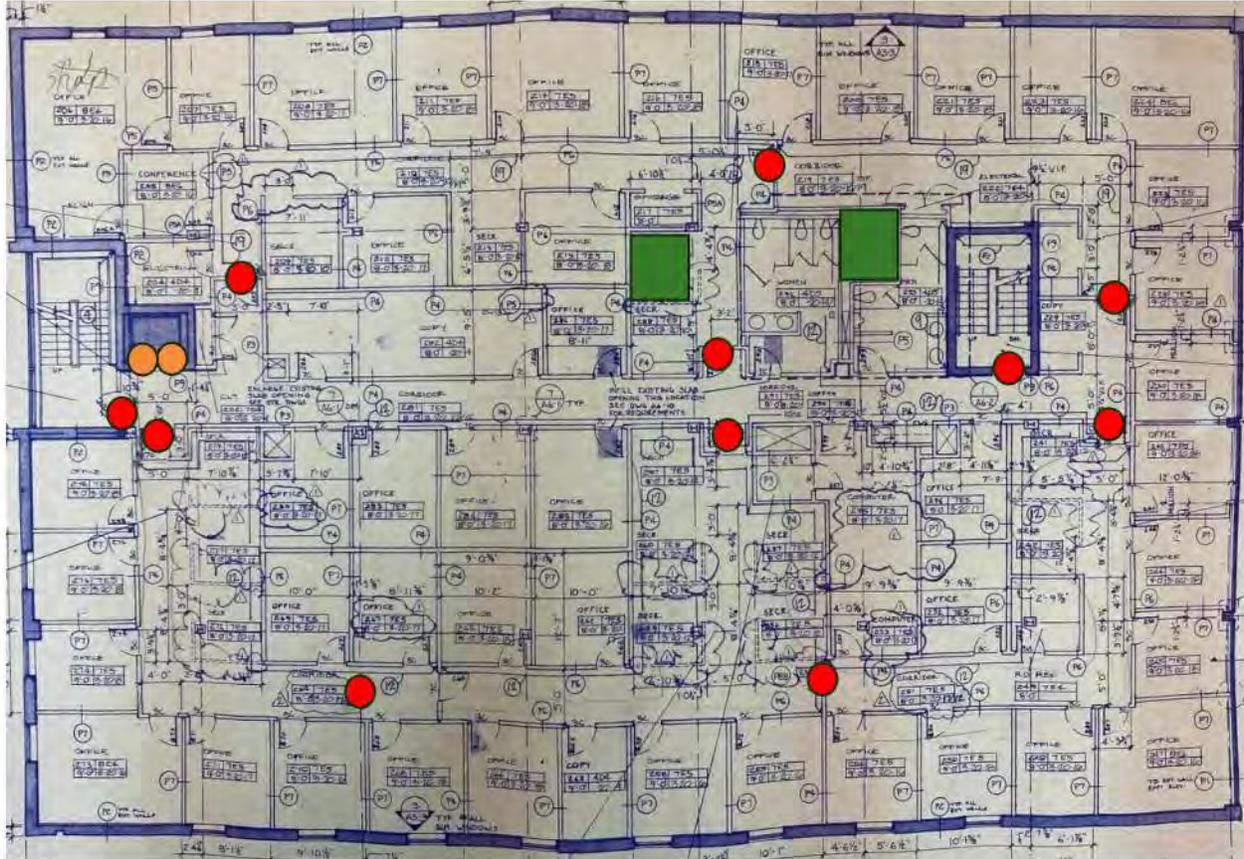
**First Floor**



**Legend:**

	AACM Fire Doors
	AACM Elevator Doors
	AACM Cementitious (Transite™) Contact Switches

## Second Floor



### Legend:

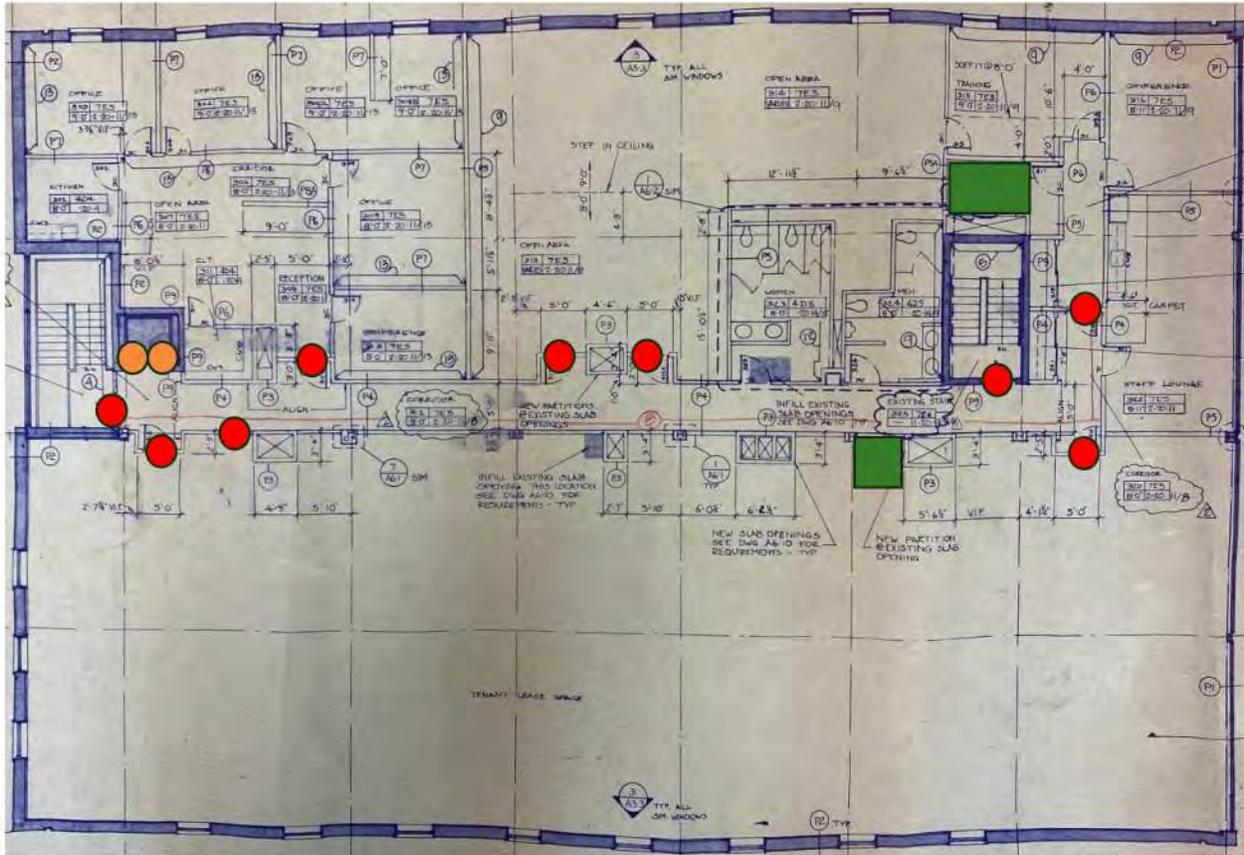
-  AACC Fire Doors
-  AACC Elevator Doors
-  AACC Cementitious (Transite™) Contact Switches

# Asbestos Inspection Report - Addendum

United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



## Third Floor



### Legend:

-  AACM Fire Doors
-  AACM Elevator Doors
-  AACM Cementitious (Transite™) Contact Switches

**Asbestos Inspection Report - Addendum**

United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



**ATTACHMENT B**  
**Inspector's Credentials**



Mike DeWine, Governor  
Jon Husted, Lt. Governor  
Anne M. Vogel, Director

8/1/2024

Ryan Malott  
7872 Sudeley Court  
Westerville, OH 43081

RE: Evaluation Specialist  
Certification Number: ES33506  
Expiration Date: 9/27/2025

Dear Ryan Malott:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at [asbestoslicensing@epa.ohio.gov](mailto:asbestoslicensing@epa.ohio.gov).

Sincerely,

*Brandon M. Schwendeman*

Brandon Schwendeman  
Manager, Business Operations Support Section  
Ohio EPA - Division of Air Pollution Control



50 West Town Street • Suite 700 • P.O. Box 1049 • Columbus, OH 43216-1049  
epa.ohio.gov • (614) 644-3020 • (614) 644-3184 (fax)



# TRAINING SERVICES INTERNATIONAL

## Asbestos Building Inspector Refresher

### Certificate

This is to certify

# Ryan Malott

## XXXX-XX-8697



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3745-22 Ohio Administrative Code and State of Michigan MCL Section 338.340.

7/26/2025

Training Manager      Expiration Date

7/26/2024

Date(s) of Course

7/26/2024

Examination Date

Online Webinar

Course Location

## Asbestos Management Planner Refresher

Certificate

This is to certify

**Ryan Malott**

XXXX-XX-8697



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

Training Manager

7/26/2025

Expiration Date

7/26/2024

Date(s) of Course

7/26/2024

Examination Date

Online Webinar

Course Location

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## HAZARDOUS MATERIALS

### **PART 1 - GENERAL**

#### **1.1 DESCRIPTION**

- A. This section specifies removal and disposal of other hazardous materials and controls needed to limit occupational and environmental exposure prior to building demolition. The Contractor shall furnish all labor, materials, permits, notifications, insurance, and equipment necessary for the proper cleanup, handling, removal, storage, transporting and treating of all hazardous materials from the building listed below prior to demolition.

The technical specification pertains to the United Way of Central Ohio demolition project and the site is further detailed as the following buildings and addresses:

- 360 South 3<sup>rd</sup> Street, Franklin County, Ohio 43215
  - Parcel ID 010-006471-00, 33,847 square feet, three-story building with partial basement constructed in 1969 with renovation in 1976.

A summary of hazardous materials designated for removal is presented in Attachment D. Removal of all identified hazardous materials from the building throughout as well as the identified hazardous material located on the exterior of the building; This may include, but may not be limited to, the following:

- Universal waste: lamps and discarded batteries.
- Light ballasts and capacitors (PCBs/non-PCBs)
- Fire extinguisher and fire suppression systems
- Electronics
- Appliances
- Smoke detectors
- Refrigerants, and
- Accumulations of discarded chemical containers

Quantities listed in Attachment D are for informational purposes only and are based on the best information available at the time of the specification preparation. The Contractor shall satisfy herself/himself/themself as the actual quantities to be removed. Nothing in this section may be interpreted as limiting the extent of work otherwise required by this contract and related documents.

- B. Nothing in this Specification Section shall relieve the Contractor of any other environmental protection requirement specified in federal, state or local laws and regulations.
- C. The Contractor and his/her personnel shall be responsible for having all necessary and required federal, state, and local training, licenses, and certifications to complete the work. The Contractor shall obtain all necessary environmental permits and licenses. The Contractor shall be responsible for payment of all permit fees. The Contractor shall comply with all terms and conditions of permits.
- D. The Contractor shall be responsible for containment of all spills. The contractor is responsible for maintaining spill containment and cleanup equipment and materials on-site that are appropriate for the materials being stored and in sufficient quantities to provide containment for the volume of material used and stored. The Contractor shall clean up all spills that result from the Contractor's actions or activities, including faulty equipment, and not seek reimbursement. The cleanup methods shall be as required by or acceptable to the OWNER's technical representative. If assistance is provided by the OWNER, the Contractor shall reimburse the OWNER for all materials and assistance provided and used in containment or cleanup of those spills resulting from the Contractor's actions.

#### **1.2 RELATED WORK**

United Way of Central Ohio – Columbus, Franklin County, OH

A. ASBESTOS ABATEMENT

**1.3 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.
- B. Code of Federal Regulations (CFR):
  - CFR 29 Part 1910..... Occupational Safety and Health Standards
  - CFR 29 Part 1926..... Safety and Health Regulations for Construction
  - CFR 40 Part 148..... Hazardous Waste Injection Restrictions
  - CFR 40 Part 260..... Hazardous Waste Management System: General
  - CFR 40 Part 261..... Identification and Listing of Hazardous Waste
  - CFR 40 Part 262..... Standards Applicable to Generators of Hazardous Waste
  - CFR 40 Part 263..... Standards Applicable to Transporters of Hazardous Waste
  - CFR 40 Part 264..... Standards for Owners and Operations of Hazardous Waste Treatment, Storage, and Disposal Facilities
  - CFR 40 Part 265..... Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
  - CFR 40 Part 268..... Land Disposal Restrictions
  - CFR 49 Part 172..... Hazardous Material Table, Special Provisions, Hazardous Material Communications, Emergency Response Information, and Training Requirements
  - CFR 49 Part 178..... Specifications for Packaging
- C. State Hazardous Waste Rules (including, but may not be limited to):
  - Ohio Administrative Code (OAC) 3745-50 through 57; 3745-65 through 69; 3745-256, 266, 270, 273, 279, 352

**1.4 DEFINITIONS**

**Hazardous Wastes (HW):** Wastes which are listed by chemical name in 40 CFR 261 Subpart D, and/or exhibit one or more of the characteristics described in 40 CFR 261 Subpart C.

**Special Waste:** A waste as defined by 40 CFR Part 240.101 (Z) is: A non-hazardous solid waste requiring handling other than that normally used for municipal solid waste.

**Universal Wastes (UW):** A HW as defined by 40 CFR Part 260.10. Batteries, Pesticides, Thermostats, Fluorescent Lamps, and Mercury Thermostats, which are managed in accordance with the universal waste requirements promulgated in 40 CFR 273. They are specific hazardous waste streams that a generator can choose to manage in an alternative manner in place of the more complex hazardous waste requirements. The Universal Waste Rules (UWR) are intended to promote recycling as well as proper disposal by easing certain regulatory requirements. Ohio's UWRs are located in Ohio Administrative Code (OAC) Chapter 3745-273. A waste must be a hazardous waste before it can be a universal waste. If a hazardous waste stream is not managed as a universal waste, then the waste must be managed as a hazardous waste under the applicable hazardous waste regulations.

**Universal Waste (Types):** The following are categories of UW that may be managed under the UWR in Ohio:

Discarded Batteries: This category includes hazardous waste batteries such as nickel-cadmium batteries and spent lead-acid batteries. The handler has the option of managing discarded lead-acid batteries under OAC Chapter 3745-273 (the UWR), or OAC rule 3745-266-80. UW batteries are defined in OAC rule 3745-50-10(A) and OAC rule 3745-273-09 as devices consisting of one or more electrically connected electrochemical cells that are designed to receive, store and deliver electric energy. An

electrochemical cell consists of an anode, cathode and electrolyte. A device is also considered a battery if it is intact, unbroken and the entire electrolyte has been removed.

**Lamps:** This category includes hazardous waste lamps that meet the definition in OAC rule 3745-50-10(A). Lamps are defined as the bulb or tube portion of an electric lighting device. A lamp is designed to produce radiant energy, most often in the ultraviolet, visible and infra-red regions of the electromagnetic spectrum. Lamps can exhibit the toxicity characteristic for some heavy metals (i.e., mercury, lead, cadmium). Examples of universal waste lamps include incandescent, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium and metal halide lamps.

**Mercury-Containing Equipment (MCE):** MCE means a device or part of a device (excluding batteries and lamps) that contains elemental mercury integral to its function. Some commonly recognized devices are thermostats, barometers, manometers, temperature and pressure gauges, and mercury switches, such as light switches in automobiles. This definition does not include mercury waste that is generated as a by-product through the process of manufacturing or treatment, or equipment that has been contaminated by mercury.

**Electronic light ballast:** A non-PCB light ballast that uses electronics instead of an inductor/capacitor to control a fluorescent light fixture. Electronic light ballasts contain no dielectric and are not subject to the requirements of this specification. Electronic ballasts are generally smaller and lighter than magnetic ballasts and usually are marked "Electronic". When in doubt manage the ballast as a PCB fluorescent light ballast.

**Fluorescent light ballast:** A device that electrically controls fluorescent light fixtures and that includes a capacitor containing 0.1 kg or less of dielectric.

**Used oil:** Under the used oil rules used oil is defined as petroleum based or synthetic oils that are used as lubricants, hydraulic fluid, heat transfer fluid (coolant), cutting fluid, buoyant or for some other similar purpose and become contaminated with physical and chemical impurities. Examples of used oil include engine oils; lubricating oils; brake fluids; transmission fluids; insulating oils; metal cutting fluids; industrial process oils, compressor or refrigerant oils. Used oil does not include petroleum derived solvents used for cleaning or vegetable or animal oils and fats. To determine whether a material meets the definition of used oil, determine if it meets the following three criteria: 1) **Origin** - The material must come from either refined crude oil or from synthetic materials including materials derived from coal, shale or polymer-based starting material (e.g., Mobil 1, Castrol Syntec, and water based cutting and hydraulic oils). 2) **Use** - The material must be used as a lubricant, hydraulic fluid, heat transfer fluid (coolant), cutting fluid, buoyant or for some other similar purpose. Materials that have not been used, such as bottoms from a virgin oil tank clean-out or a virgin oil spill, are not considered used oil. Other materials that are not considered used oil include petroleum products used for cleaning (solvents) and other petroleum-derived products such as antifreeze and kerosene. 3) **Contaminants** - the material must be contaminated with either physical or chemical impurities from its use. Examples of contaminants could include dirt, metal shavings, solvents or halogens.

**Non-PCB ballast:** A fluorescent light ballast that does not contain PCBs. No fluorescent light ballast manufactured in the U.S. after 1 July 1978 is allowed to contain PCBs. All ballasts manufactured between 1 July 1978 and 1 July 1998 that does not contain PCBs will be marked by the manufacturer as "No PCBs". Ballasts manufactured after 1 July 1998 are not required to be marked "No PCBs" although they do not contain PCBs. Note: Non-PCB fluorescent light ballasts must be collected and recycled.

**PCB:** Any chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contains such substance.

**PCB fluorescent light ballast:** A light ballast that contains PCBs at a concentration at or above 50 PPM. Fluorescent light ballasts that are NOT marked "No PCBs" and all ballasts manufactured before 1 July 1978 are considered to be PCB containing ballasts. Ballasts manufactured after 1 July 1998 and all electronic ballasts are not considered to be PCB containing ballasts and are excluded from this requirement.

**PCB debris:** Any debris, such as light fixtures and PPE, that are contaminated with PCBs.

**PCB spill:** The intentional and/or unintentional spill, leak, or other uncontrolled discharges where the release results in any quantity of PCB, running off or about to run off the external surface of the equipment; and the contamination resulting from those releases.

## 1.5 QUALITY ASSURANCE

- A. The Contractor shall designate one individual from his organization to serve as an environmental coordinator and a second individual to serve as an alternate for the environmental coordinator. The phone numbers shall include both the usual business telephone number and a 24-hour emergency telephone number where the individual can be reached at any time for an environmental emergency.
- B. The Contractor's environmental coordinator shall serve as a single, integrated point of contact to the Contractor's organization for all environmental questions and requirements. This individual shall be responsible for providing the Contractor's response to all environmental requirements and shall be authorized to direct the Contractor's organization to respond to environment requirements.
- C. The Contractor shall provide hazard communication training, universal waste training and the appropriate personal protective equipment to all employees as required by 29 CFR 1910.120 and 1910.1200 and 40 CFR 273.36.
- D. Hazard Communication Program: Establish and implement a Hazard Communication Program as required by 29 CFR 1910.1200.
- E. Hazardous Waste Management: The Hazardous Waste Management Plan (including Universal Wastes) shall comply with applicable requirements of Federal, State, and local hazardous waste regulations and address:
  - 1. Identification of hazardous wastes associated with the work.
  - 2. Estimated quantities of wastes to be generated and disposed of.
  - 3. Names and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact. Furnish two copies of EPA, state, and local hazardous waste permit applications, permits, and EPA Identification numbers.
  - 4. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes.
  - 5. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment.
  - 6. Spill prevention, containment, and cleanup contingency measures to be implemented.
  - 7. Work plan and schedule for waste containment, removal and disposal. Wastes shall be cleaned up and containerized daily.
  - 8. Cost for hazardous waste disposal according to this plan.
- F. Safety and Health Compliance:
  - 1. In addition to the detailed requirements of this specification, comply with laws, ordinances, rules, and regulations of federal, state, and local authorities regarding removing, handling, storing, transporting, and disposing of hazardous and universal waste materials. The Contractor is fully responsible for complying with all applicable local laws, ordinances, criteria, rules and regulations regarding removing, handling, storing, transporting, and disposing/recycling of Universal Waste, Used Oils, Hazardous Materials, PCBs, Refrigerants, etc. Submit matters regarding interpretation of standards to the Contracting Officer for resolution before starting work.
  - 2. Where specification requirements and the applicable regulations vary, the most stringent requirements shall apply.

- G. Pre-Construction Conference: Along with the Contractor's environmental coordinator, meet with the OWNER Representative(s) to discuss in detail the Hazardous Waste Management Plan (including Universal Wastes), including work procedures and precautions for the work plan.

## 1.6 SUBMITTALS

- A. Submit the following:
  - 1. The Hazardous Waste Management Plan including all the item listed in Section 1.5.
  - 2. A Health and Safety Plan satisfying the criteria of 29 CFR 1910.120.
  - 3. A Spill Prevention, Countermeasures and Control Plan (40 CFR 264.50, 49 CFR, and 29 CFR 1910.120).
  - 4. A detailed project schedule indicating the sequence of operations to be performed.
  - 5. A sketch or drawing showing the locations of items to be removed and the temporary waste storage area.
- B. Manufacturer's Catalog Data, instructions, and MSDS for all equipment, supplies, and personal protective equipment.
- C. Statements Certifications and Statements:
  - 1. Provide the qualifications of the Environmental Coordinator.
  - 2. Provide all applicable qualifications (including training certifications) for staff, transporters, and facilities that will be handling, transporting, and treating materials.

**PART 2 - EXECUTION****GENERAL**

Shut down and lock out electric power to all work areas as necessary. The Contractor shall provide temporary power and lighting and ensure safe installation of temporary power services and equipment, as specified in applicable electrical code requirements. The Contractor shall use a licensed electrician to isolate all electrical sources from lighting fixtures, emergency lighting, switches, gauges, pumps, vacuums, mechanical equipment, etc. prior to removal of ballast's, light tubes, oils, fluids, etc. Isolation and disconnection of any other equipment/system to accomplish work shall be the responsibility of the contractor.

**2.1 LAMPS & MERCURY-CONTAINING EQUIPMENT (UW)**

This section of the specification outlines the proper removal and packaging of Universal Waste (UW) lamps (fluorescent straight, fluorescent U-shaped and circular, compact fluorescent {CFL}, mercury vapor, metal halide, high intensity discharge (HID) and high-pressure sodium light bulbs Universal Waste lamps are hazardous waste if broken and must be treated as such.

**2.1.1 SPILL CONTAINMENT AND CLEANUP OF BROKEN LAMPS**

- A. The Contractor shall install temporary seals over all floor drains, conduits, and other openings within the lamp removal area where breakage of lamps may occur.
- B. In the event lamps are broken, the contractor shall proceed as follows:
  1. If more than 8 lamps are broken at the same time, immediately call the OWNER representative.
  2. For broken bulbs, immediate cordon off the area/room.
  3. Appropriate hand/eye/respiratory protection shall be worn when cleaning up and handling any quantity of broken lamps. Avoid inhalation of airborne dust
  4. Leave area, air out the room/area for 10 minutes by opening a window or door to the outdoor environment.
  5. Shut off the HVAC system, if active.
  6. Collect materials for cleanup: stiff paper or cardboard, sticky tape, damp paper towel or disposable wet wipes (for hard surfaces), and a glass jar with a metal lid or sealable plastic bag.
  7. Do not vacuum. Vacuuming could spread mercury-containing powder or mercury vapor.
  8. Be thorough in collecting broken glass and visible powder. Scoop up glass fragments and powder using stiff paper or cardboard. Use sticky tape, such as duct tape, to pick up any remaining small glass fragments and powder. Place the used tape in the glass jar or plastic bag. Continue to air out the room where the bulb was broken and leave the heating/air conditioning system shut off for several hours.
  9. It is optional to use commercially available powdered sulfur to absorb the beads that are too small to see. The sulfur does two things: (1) it makes the mercury easier to see since there may be a color change from yellow to brown and (2) it binds the mercury so that it can be easily removed and suppresses the vapor of any missing mercury. Mercury vapor absorbent such as powdered sulfur are often available in mercury spill kits. Note: When using powdered sulfur, do not breathe in the powder as it can be moderately toxic. Additionally, users should read and understand product information before use.
  10. Broken lamps must be containerized in airtight containers and managed as a hazardous waste.

**2.1.2 REMOVAL/PACKAGING/STORAGE OF MERCURY-CONTAINING LAMPS**

- A. The Contractor shall take care to remove mercury-containing lamps from fixtures without damaging or breaking the lamps. Lamps that have removable plastic sleeves shall be separated from the lamps. Cardboard containers designed to hold lamps shall be used for packaging (preferably obtained from the manufacturer or lamp recycling facility).
- B. The lamps shall be packaged in boxes provided by the Contractor in the following manner:
  1. Lamps of the same type (i.e., HID, U-shape) and length shall be packaged snugly in the box.

2. Write the type of lamps on either END of the box (i.e., 4'fluorescent)
  3. Write "Universal Waste Lamps" and the date the first bulb was placed in the box on the end of the box.
  4. Tape the box closed (after it is full). A full box will ensure the bulbs are packaged snugly and will prevent breakage when transporting.
- C. All boxes containing lamps shall be stored indoors.
- D. In the event a lamp(s) is broken or crushed, that broken lamp and any debris that can be gathered shall be placed in an air-tight container and marked and managed as a hazardous waste. The hazardous waste container with the broken pieces will be removed when the box is removed.

## 2.2 DISCARDED BATTERIES (UW)

- A. Discarded batteries shall be managed as Universal Waste:  
Any batteries that show evidence of leakage, spillage or damage that could cause leakage must be containerized. The container must be closed, structurally sound, compatible with the contents of the battery and lack evidence of leakage or spillage.
- B. Any waste (e.g., electrolytes) removed from batteries must be evaluated to determine whether it is a hazardous waste. Hazardous waste removed from the batteries must be managed in accordance with Ohio Administrative Code (OAC) Chapter 3745-52.

## 2.3 REFRIGERANTS

- A. Recovery of refrigerant, Halon or other ozone depleting substances (ODSs): All refrigerant work must be performed by a Certified Refrigerant Technician using Certified Recovery of Recycling Equipment. For the purposes of this work, "Certified Refrigerant Technician" is defined in Section 608 of the Clean Air Act as a facility that uses laboratory protocol set forth in the Air Conditioning, Heating, and Refrigeration Institute (AHRI) Standard 740-1998 and has obtained certification from the Section 608 Recycling Program Manager. Qualifications of Technicians/Recovery Equipment:
1. Technicians must be certified by the Environmental Protection Agency (EPA) under Section 608 of the Clean Air Act.
  2. Recovery equipment must be tested by an approved EPA testing organization to ensure that it meets requirements under Section 608 of the Clean Air Act.
  3. Knowingly venting ODSs into the atmosphere is prohibited under the Clean Air Act. Technicians releasing "de minimis" quantities of ODSs in the course of making good faith attempts to recapture, recycle or dispose of ODSs are not subject to the prohibition
- B. For any refrigerant (i.e., hydrofluorocarbon {HFC}), not a Class I or Class II, the contractor shall recover and take ownership of the material unless other plans are made with the original owning shop.
- C. Contractor shall verify that ozone depleting substances (ODSs) have been recovered from all ODS equipment before disposal of the equipment in accordance with 40 CFR 82.156(a)(3) and all associated regulations.
- D. The Contractor shall:
1. Identify the pressure conditions under which the refrigerator unit or equipment was designed to operate and ensure that technicians have received the appropriate certification (i.e., Type I, Type II, Type III, and/or Universal Technician) that corresponds with the equipment from which ODS is to be recovered.
  2. Identify the appropriate type of recovery/recycle equipment and ensure that equipment rating is maintained in accordance with Section 608 of the Clean Air Act relative to:
    - a. Liquid Refrigerant Recovery
    - b. Vapor Refrigerant Recovery
    - c. Final Recovery Vacuum
    - d. Refrigerant Loss due to Non-Condensable Purging
  3. Ensure refrigerant recovery is performed in compliance with all applicable regulations.

4. Prepare cylinders containing recovered refrigerant for shipping in accordance with all applicable regulations.
  5. Transfer cylinders for shipment in accordance with all applicable federal, state, and local regulations.
- E. The Contractor must provide proof to the OWNER of all manifest and receipts generated by the Certified Refrigerant Technician.

## 2.4 USED OIL

All work associated with used oil must be completed in accordance with [40 CFR part 279](#) and Ohio EPA's used oil regulations - Ohio Administrative Code (OAC) rules 3745-279-20 through 3745-279-24.

- A. Manage used oil known or assumed to contain 50 ppm or more PCBs as a PCB waste. Used oils tested and contain less than 50 ppm can be disposed under Used Oil rules. Analytical records indicating PCB content must be provided to the OWNER.
- B. Used oil must be recovered in a manner which prevents leaks/spills. The Contractor will be responsible costs associated with cleanup of leaks/spills which may occur during the act of recovering oils. If there is a leak of used oil: stop the leak, contain it, clean it up and properly manage the cleanup materials.
- C. Label containers or tanks of used oil with the words, "Used Oil."
- D. Store used oil in containers or tanks that are in good condition (not rusting, leaking, etc.).
- E. Use a transporter with an EPA identification number when shipping used oil off site.
- F. Do not mix used oil with other wastes such as mineral spirits, brake cleaner fluid or washer solvents.
- G. Used oil is to be sent to a used oil recycler. Ohio EPA maintains a list of companies that recycle used oil. The used oil recycling company must be on that list and approved by the OWNER in writing prior to be sent to the facility.
- H. The Contractor must provide proof to the OWNER of all waste manifest and receipts accepted by the used oil recycler.

### 2.4.1 OIL FILTERS

When present, all oil filters must be removed and properly drained. According to OAC rule 3745-51-04(B)(13), non-terne plated used oil filters that are hot-drained are not hazardous wastes. Non-terne plated filters do not contain lead in the metal portion of the filter. Hot draining may be accomplished by either:

- puncturing the anti-drain back valve or the filter dome end and hot draining.
- hot-draining and crushing.
- dismantling and hot draining; or
- other equivalent method.

The Ohio EPA considers a filter to be hot-drained when it is brought up to normal engine operating temperature just before you remove it for draining. The oil filter should be allowed to drain for 12 hours. After the oil has been drained, the filter may be disposed of in the municipal waste stream. However, its recommended to recycle the filters as scrap metal. The oil collected must be managed as used oil.

## 2.5 BALLASTS

**Contractor shall assume all ballasts are PCB-containing. Contractor shall remove all ballasts and separate into two (2) groups: 1) ballasts that have a "No-PCBs" label, and 2) ballasts that do not have a "No-PCBs" label. Both categories to be disposed or recycled off site.**

### 2.5.1 SECURITY OF SITES

- A. Install physical barriers (i.e., self-supporting barricades, roping, caution tape, etc.) to secure work site where PCB ballasts are being removed and stored.

**2.5.2 SPILL CONTAINMENT**

- A. The Contractor shall install temporary covers (i.e., plastic drop cloths) over surfaces (floor, carpet, tables) that may come in contact with PCB ballasts and follow measures of the SPCC plan.

**2.5.3 EQUIPMENT DECONTAMINATION**

- A. Any non-disposable item contaminated with PCB shall be decontaminated in accordance with 40CFR 761.

**2.5.4 REMOVAL AND PACKAGING**

- A. Each ballast shall be visually inspected to determine whether or not it is marked "No PCB". If ballasts are not marked "No PCB", treat them as containing PCBs. If it is determined that a ballast is or is presumed to be a PCB fluorescent light ballast, remove the ballast(s) from the fixture. Do not puncture or damage the ballast in any way.
- B. Place PCB light ballasts into 30- or 55-gallon open head steel which conforms to UN Std. 1A1 or 1A2.
  - 1. Place no more than 150 F40 (ballasts from four-foot light fixtures) or seventy-five F96 (ballasts from eight-foot fixtures) light ballasts into one drum.
  - 2. The gross weight of loaded drums shall not exceed 600 pounds.
  - 3. The Contractor is responsible for providing drums that meet all DOT and UN specifications IAW 49 CFR 173.212 and are in good condition.
  - 4. Leaking PCB ballasts shall be wrapped in plastic and may be placed in drums with other non-leaking ballasts.
  - 5. Mark the drums as containing PCB light ballasts, greater than 500PPM (>500) unless documented to have a lower concentration.
  - 6. Mark the facility building number from which the ballasts were removed and the date that the first ballast was placed into the container.
- C. Any contaminated portions of the light fixture, resulting from leaking PCB ballasts, shall be cut away and placed into separate 30- or 55-gallon open head steel drums which conform to UN Std. 1A1 or 1A2. Do not mix ballasts and debris. Any contaminated plastic or PPE shall also be placed into these drums for disposal. Mark the drums as containing PCB debris, the facility building number and the date the debris was placed into the container IAW 40 CFR 761.45.
- D. At the time of use, the Contractor shall mark each container individually with the following:
  - 1. The PCB label, ML, as shown in Figure 1 of 40 CFR 761.45(a).
  - 2. The container accumulation start date (i.e., date removed from service).
  - 3. Contents of container, i.e., light ballasts, debris.
  - 4. The building number from which the ballasts were removed.
- F. Ensure that all drum lids are secured and fully tightened with bolt ring pointing downward.
- F. The contractor shall be responsible for repackaging any containers that are considered by the OWNER to be unsuitable for shipment.

**2.5.5 TEMPORARY STORAGE**

- A. The temporary storage location for the drummed PCB ballasts shall be approved by the OWNER. Drums of PCB items shall be stored indoors.
- B. The Contractor shall not have any PCB light ballasts in temporary storage for over 30 calendar days. Do not relocate items for the purpose of extending the storage time. The contractor shall contact the OWNER if the thirty-day storage limit will be exceeded.

### **2.5.6 NO-PCBs BALLASTS**

Ballasts marked as "No-PCBs" must also be properly removed and taken to a licensed recycling facility. Removed "No-PCBs" ballasts shall be handled, packaged, stored, and transported in the same manner as PCB ballast, with the exception of labeling requirements. Drums shall be marked "No-PCBs" ballast for recycling. The Contractor shall comply with all applicable, federal, state, and local regulations pertaining to handling, storage, transporting, and treatment of these types of ballasts.

## **2.6 REMOVAL OF PCB AND PCB-CONTAMINATED ITEMS AND LIQUIDS**

- A. Immediately report new or newly discovered existing PCB spills of any size to the OWNER.
- B. The Contractor shall provide and maintain on-site spill equipment sufficient in both quantity and type to contain and clean-up any spill within twenty-four (24) hours of discovery.
- C. All materials and/or surfaces contaminated with PCB spilled during the work shall be the contractor's responsibility. The contractor shall contain the spill, perform the cleanup, provide all analytical services required to verify clean-up, restore the area to as near original condition, and transport and dispose of the contaminated materials per regulations and specifications; all at no cost to the OWNER.

### **2.6.1 PROTECTIVE EQUIPMENT**

- A. The contractor shall provide and maintain all personal protective equipment required by 29 CFR 1910 to perform PCB removal operations. This equipment is to be disposable to the extent allowable by regulations.
  - 1. Protective equipment shall include, among other things, protective gloves, face shields, coveralls, boots, and cartridge respirators.
  - 2. All protective equipment contaminated with PCB shall either be decontaminated in accordance with section on "EQUIPMENT DECONTAMINATION" or containerized and disposed of as PCB waste in accordance with the section on "DISPOSAL OF PCB WASTE".

### **2.6.2 SECURITY OF SITES**

- A. Secure and/or cap all container/tanker fill and unloading valves prior to exiting the temporary storage and/or work site.
- B. Install self-supporting barricades and post PCB Handling warning signs advising persons to avoid entry at all sites during removal, storage or processing of PCB wastes. Establish a single entrance to the site.

### **2.6.3 SPILL CONTAINMENT**

- A. Provide six mil plastic drop cloths or metallic drip pans where spillage may occur.
- B. Protect/seal all floor drains, conduits, storm drains, electric manholes and other subsurface openings within fifteen (15) feet of the work.
- C. Use absorbent material/containment booms to prevent contaminant migration should a spill occur.

### **2.6.4 EQUIPMENT DECONTAMINATION**

- A. Decontaminate all non-disposable items contaminated with PCB during the cleanup prior to exiting each site. Decontaminate all solid surfaces through a double rinse wash. Cleanup of PCB will be done with a commercial/industrial liquid cleaner containing limonene as the organic solvent and an emulsifier. Apply with a portable sprayer, scrub the affected surfaces and rinse with clean water. Concurrently capture all free-flowing liquids using a wet vacuum.

**2.6.5 PCB AND PCB-CONTAMINATED ITEMS AND LIQUIDS**

- A. Drain all liquids by pump or siphon.
- B. Provide separate hoses and pumps for draining PCB and PCB-contaminated oil. Decontaminate between each use per "EQUIPMENT DECONTAMINATION" paragraph.
- C. Contain all PCB and PCB-contaminated wastes in containers/tanks approved for the storage and transportation of such wastes by DOT and USEPA.
- D. Do not place PCB wastes in containers with PCB-contaminated wastes.
- E. The intentional solidification of PCB wastes shall not be practiced.
- F. Label all PCB waste containers at the time of generation per "CONTAINER LABELLING" paragraph.

**2.6.6 CLEANUP OF SPILLS THAT OCCUR DURING WORK**

- A. Ensure notification is made per the "SPILLS" paragraph. Implement the immediate action requirements contained in 40 CFR 761 and commence cleanup within 24 hours of the spill.
- B. Clean all surfaces/soils to the defined standards for residential/commercial areas in accordance with 40 CFR 761.120. Include all verification sampling required and prepare a response report. This report must be submitted to the OWNER within seven (7) working days after the completion of the clean-up.

**2.6.7 TEMPORARY STORAGE**

- A. Coordinate the temporary storage location (for PCB and PCB contaminated wastes) with the OWNER.
- B. Individually date all items to show when PCB wastes were first placed into the container and when these wastes were placed in temporary storage.
- C. Install self-supporting barricades and post "Caution PCBs In Storage" signs to avoid unauthorized entry.
- D. Post a site-specific spill plan satisfying the criteria of 40 CFR 761.60.
- E. Perform weekly inspections of the temporary storage sites and document the results of these inspections during the storage activities.
- F. Do not place any PCB waste in temporary storage for more than thirty (30) days. Do not relocate containers for purposes of extending the storage time.
- G. Place drip pans or six mil plastic sheeting to prevent possible seepage into the ground. Protect containers from rainwater.

**2.6.8 PREPARATION FOR TRANSPORT OF WASTES CONTAINING PCBs**

- A. All wastes containing PCBs shall be packaged for transportation in strict accordance with all applicable regulations found in 49 and 40 CFR.
  - 1. Contain all liquids in 30 gallon or 55-gallon closed head steel shipping drums. The Department of Transportation approved drums shall meet DOT 17E specifications and be in good condition. Do not fill over 90% of drum capacity. Bulk transportation may be accomplished using tankers authorized for PCB liquid waste transit by DOT.
  - 2. Contain all solid PCB material (used absorbent material, disposable clothing, removed soil, disposable tools, etc.) in 30 gallon or 55-gallon open head steel shipping drums. The Department of Transportation approved drums shall meet DOT 17C specifications and must be in good condition.

- B. Do not place non-PCB oils or items in containers with PCB oils or items. Do not place PCB oils or items in containers with PCB-contaminated oils or items.
- C. Identify each item individually with the following.
  - 1. The appropriate PCB label per federal, state, and local regulations.
  - 2. Refer to "TEMPORARY STORAGE" paragraphs of this spec. section.

**2.6.9 CONTAINER LABELING**

- A. Label (as shown in Figure 1, 2, 3, or 4) all equipment, drums, etc. according to the PCB concentration of the oil, material contained, or the oil removed from the item. Affix the label prior to working on or utilizing the item. The following formats shall be used for labeling:
  - 1. PCB Items or containers containing PCBs equal to or greater than 500 ppm.
    - (a) Large PCB Mark--ML. Mark ML shall be as shown in Figure 1, letters and striping shall be on a yellow background and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The size of the mark shall be at least 15.25 cm (6 inches) on each side. If the PCB Article or PCB Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of 5 cm (2 inches) on each side.
    - (b) Small PCB Mark shall be as shown in Figure 2, letters and striping on a yellow background and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The mark shall be a rectangle 2.5 by 5 cm (1 inch by 2 inches). If the PCB Article or PCB Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of 1 by 2 cm (0.4 by 0.8 inches).
  - 2. PCB Contaminated Items or Containers containing PCBs in concentrations between 50 and 499 ppm.
    - (a) PCB Contaminated Mark. Mark shall be as shown in Figure 3, letters and striping on a yellow background and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Contaminated Article, PCB Contaminated Equipment, or Container of PCB Contaminated oil. The mark shall be a rectangle 10 by 10 cm (4 inch by 4 inches). If the PCB Contaminated Article or PCB Contaminated Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of 5 by 5 cm (2 by 2 inches).
  - 3. Non-PCB Items containing PCB in concentrations equal to or less than 49 ppm.
    - (a) Non-PCB Mark. This mark shall be as shown in Figure 4, letters and striping on a blue background and shall be sufficiently durable to exceed the time the Non-PCB Article, Equipment, or Container is stored on site.

//////////////////////////////////////  
 CAUTION contains PCBs  
 (Polychlorinated Biphenyls)  
 A toxic environmental contaminant requiring  
 special handling and disposal in accordance with  
 U.S. Environmental Protection Agency Regulations  
 40 CFR 761 - For Disposal Information contact  
 the nearest U.S. E.P.A. Office.  
 \*\*\*\*\*  
 In case of accident or spill, call toll free the U.S.  
 Coast Guard National Response Center  
 1-800-424-8802  
 Also Contact: Tel. No.:  
 //////////////////////////////////////

Figure 1

////////////////////////////////////  
CAUTION contains PCBs  
(Polychlorinated Biphenyls)  
FOR PROPER DISPOSAL INFORMATION  
CONTACT U.S. ENVIRONMENTAL  
PROTECTION AGENCY  
////////////////////////////////////

Figure 2

////////////////////////////////////  
PCB CONTAMINATED  
THE LIQUID IN THIS  
CONTAINER IS LESS  
THAN 500 PPM PCB  
BUT EQUAL TO  
OR GREATER THAN  
50 PPM PCB  
////////////////////////////////////

Figure 3

//////////////////////////////////// C E R T I F I E D //////////////////////////////////////  
THE DIELECTRIC FLUID IN THIS UNIT  
HAS BEEN TESTED TO DETERMINE THE  
AMOUNT OF POLYCHLORINATED BIPHENYL(S)  
(PCB CONTENT). WE CERTIFY THAT BASED  
ON THE TEST SAMPLE, THE FLUID CONTAINED  
LESS THAN 50 PPM PCB AND IS THEREFORE  
CLASSIFIED A NON-PCB AS DEFINED IN THE  
AUG 25, 1982, VOL. 47 NO. 165 OF THE  
FEDERAL REGISTER.

//////////////////////////////////// C E R T I F I E D //////////////////////////////////////  
Figure 4

## 2.7 DISCARDED CHEMICAL CONTAINERS

Any chemical containers with product must be removed from the building prior to demolition (this includes, but may not be limited to, laboratory chemicals, paints, cleaning products, etc.). A product becomes a waste when it is no longer useful, it does not meet its original specifications and is not usable, or its shelf life has been exceeded for so long that it probably will not perform satisfactorily. If a product has not exceeded its usefulness and has not expired, the best approach is to find another use for it. Any remaining containers in the building with product must be brought to the OWNER's attention so that the OWNER has the opportunity to collect items for re-use. Any items remaining must be properly handling, stored, transported, and treated in accordance with all applicable federal, state, and local regulations. If products cannot be used or transferred, or if they no longer meet specifications or their shelf life has been seriously exceeded, they must declare as hazardous wastes and move them to a hazardous waste accumulation area. Hazardous wastes are any product wastes that: have a flashpoint lower than 140 °F, have a pH lower than 2.5 or higher than 12.5, are reactive, fail the TCLP (Toxicity Characteristic Leaching Procedure) test making it a toxic waste, or contain a chemical listed by the EPA. Products must be checked for a proper manufacturer's label. Notify the OWNER when moving wastes to a hazardous waste accumulation area. All containers of hazardous waste must be labeled as a hazardous waste:

- The date when the product was declared a hazardous waste must be marked on the label.
- The hazardous waste, along with all other hazardous wastes, must be

inspected routinely and disposal arrangements must be made before the allowable storage time onsite has expired

## 2.8 FIRE EXTINGUISHERS / FIRE SUPPRESSION

The Environmental Protection Agency (EPA) issued a direct final determination (DFD) published in the Federal Register (FR) on August 11, 1998, (63 FR 42728) (7 pp, 231 KB) regarding the need for a certification program for equipment used to recover and recycle halons (i.e., Halon 1211, Halon 1301, and Halon 2402, and all isomers of these chemicals). Briefly, the direct final determination states that it is neither necessary nor appropriate at this time, under section 608 of the Clean Air Act as amended (CAA), to issue a rule establishing a certification program for equipment used in the recovery and recycling of halons, a group of Class I ozone-depleting substances, or to require that halons be recovered only through the use of certified equipment.

EPA stresses that nothing in this determination affects any existing legal requirements regarding halons and strongly emphasizes the ongoing environmental need to reduce their use and emissions and maximize their recapture and recycling. It should be noted that all provisions, including those relating to halon disposal and recovery and recycling practices, of a rule concerning halons (63 FR 11084, published on March 5, 1998 (14 pp, 222 KB)) continue to fully apply. EPA urges members of the regulated community to ensure that their practices thoroughly comply with those federal rules and all other appropriate standards and regulations. This summary provides a brief background on halons and the August 11, 1998, regulatory action.

Halons are gaseous or easily vaporized halocarbons used primarily for fire and explosion protection and are listed as Group II, Class I ozone-depleting substances (ODSs) under 40 CFR Part 82, Subpart A. Section 608 of the CAA directs EPA to issue regulations that reduce the use and emissions of ozone-depleting substances to the lowest achievable level and that maximize the recapture and recycling of such substances. Despite their effectiveness as a fire fighting agent, halons are among the most ozone-depleting chemicals in use today. With 0.2 ozone-depleting potential (ODP) representing the threshold for classification as a Class I substance, Halon 1301 has an estimated ODP of 10, Halon 2402 an estimated ODP of 6, and Halon 1211 an estimated ODP of 3.

Several existing federal regulations address halons. The new production of halons has been banned in the U.S. since January 1, 1994. More recently, EPA issued a rule on March 5, 1998 (63 FR 11084), under the authority of Section 608 of the CAA, establishing certain practices and requirements relative to halons, including training requirements for technicians who handle halon-containing equipment; and prohibitions on releases of halons during technician training and during the testing, maintenance, repair, servicing, and disposal of halons and halon-containing equipment. The March 5, 1998 rule also provided for the proper disposal of halons and halon-containing equipment.

The further environmental objective of an equipment certification program, and associated provisions allowing the removal of halons only through the use of certified equipment, would be to verify that all recycling and recovery equipment sold is capable of minimizing emissions, and that such certified equipment was in fact used, thereby ensuring minimum emissions and maximum recovery during recycling and recovery activities. Research completed by EPA in association with this determination suggested that the great majority of halon recovery and recycling equipment currently in use, and all such equipment currently on the market, consists of highly efficient closed halon recovery systems achieving a minimum recovery efficiency of 98%. Entities that perform the vast majority of halon transfers employ these efficient units. Research further indicated that the halon sector has been instituting conservative halon practices since the ban on halon production that occurred on January 1, 1994. Operations utilizing less efficient halon recycling and recovery equipment and methods are estimated to account for less than 1% of total annual halon emissions in the United States. With regard to such halon emissions arising from the use of inefficient, non-closed halon recovery and recycling devices and methods, sections 82.270(d) and (e) of an EPA rule issued March 5, 1998, were intended to eliminate the use of such devices and restrict halon recovery and recycling equipment to the highly efficient type

of closed recovery systems now widely used in industry. Based upon these findings, EPA determined that no further environmental advances could be made, in regard to the CAA section 608 goals of reducing halon use and emissions, or maximizing halon recapture and recycling, through a halon recovery and recycling equipment certification program.

It should be noted that EPA stated in this determination that it will propose to amend the March 5, 1998, rule to, among other adjustments, clarify sections of that regulation pertaining to the requirement for halon and halon-containing equipment disposal to be performed in accordance with cited industry standards.

Inergen is a mixture of 52% Nitrogen, 40% Argon and 8% CO<sub>2</sub>. In the event of a fire, when Inergen is discharged, it mixes with the air present in the room to create a mixture that comprises of 67.3% Nitrogen, 12.5% Oxygen, 17% Argon and 3.2% Carbon Dioxide. Inergen is a Halon replacement system. ABC Dry Chemical is usually a mix of monoammonium phosphate and ammonium sulfate, a dry chemical extinguishing agent used on class A, class B, and class C fires.

Due to their pressurized contents, fire extinguishers are considered hazardous materials when no longer usable. Unless able to be relocated for use, the fire extinguishers would need to have the pressure released and then be properly disposed of or recycled, depending on the type of shell and contents. By emptying the extinguisher and removing the exterior accessories, the extinguisher is made ready for recycling. Any remaining fire extinguishers will be disposed under this contract. Contractor shall verify all quantities in work areas for purposes of bidding.

## 2.9 ELECTRONIC WASTE

Work in this section shall be completed in all areas prior to each building demolition. *E-waste* is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, security cameras, internet routers, copiers, and fax machines are common electronic products. Many of these products can be reused, refurbished, or recycled. With the passage of the Electronic Waste Recycling Act of 2003, certain portions of the electronic waste stream are defined and the systems to recover and recycle them will be administratively regulated beyond the Universal Waste Rules that apply to material handling.

Smoke detectors are located throughout the facility and will be considered electronic waste (e-waste) and provided for appropriate handling. Electronics, consisting mainly of computers, monitors, servers, routers and other computer-related equipment, is anticipated to be removed from the building for use elsewhere, based on the fact that most of those encountered in unoccupied portions of the building have been tagged for relocation. Any remaining E-Waste will be disposed under this contract. Contractor shall verify all quantities that remain in the work areas at the time of the walkover survey for purposes of bidding.

**PART 3 - DISPOSAL****3.0 STORAGE, TRANSPORTING, AND TREATMENT****3.1 UNIVERSAL WASTES**

- A. Generators of Universal Wastes (UW) who want to take advantage of the Universal Waste Rules (UWR) instead of the hazardous waste generator requirements must comply with all UW handler requirements. A UW handler cannot treat, dispose of or recycle UW and thus does not need a hazardous waste installation and operation permit. UW handlers are classified as small or large UW handlers based on the quantity of UW accumulated at any time. Generators and others receiving and storing UW fall under two categories:
- small quantity handlers (accumulate less than 5,000 kilograms [11,023 pounds] of UW [not by type] at any time), or
  - large quantity handlers (accumulate more than 5,000 kilograms [11,023 pounds] of UW [not by type] at any time).
- If a small quantity UW handler accumulates more than 5,000 kilograms of UW on-site at any time, they must comply with the large quantity UW handler requirements for the remainder of the calendar year.
- All generators have the option of handling their UW under the UWR or under Ohio's generator requirements found in OAC Chapter 3745-52.
- B. Small quantity handlers of UW and UW transporters are not required to notify Ohio EPA of their UW activities and are not required to obtain an EPA hazardous waste ID number.
- C. Large quantity UW handlers must notify Ohio EPA in writing and obtain an EPA hazardous waste ID number prior to exceeding the 5,000 kg storage limit. A large quantity UW handler who previously notified Ohio EPA of their hazardous waste activities and received an EPA identification number is not required to re-notify.
- D. Small and large quantity UW handlers and transporters are not required to have a hazardous waste installation and operation permit provided they comply with all applicable universal waste rules. Destination facilities are required to have a hazardous waste installation and operation permit for storage of the material prior to recycling. The recycling process itself is not subject to Ohio's hazardous waste regulations. A facility that collects and stores UW and sends them to a recycler, such as a broker, would not require a permit to operate since the activity is regulated as a handler of UW. If the destination facility conducts recycling without storage, it must comply with OAC rule 3745-51-06(C)(2).
- E. The labeling requirements are identical for small and large quantity UW handlers. They must be able to demonstrate the accumulation time for all universal wastes. Accumulation time begins the date the material became a waste or is received.
- The handler may make this determination by:
- placing the UW in a container and marking or labeling the container with the earliest date that any UW in the container became a waste or was received.
  - marking or labeling the individual item of UW (i.e., each battery or thermostat) with the date it became a waste or was received.
  - maintaining an inventory system on-site that identifies the date the UW being accumulated became a waste or was received.
  - maintaining an inventory system on-site that identifies the earliest date that any UW in a group of UW items or a group of containers of UW became a waste or was received.
  - placing the UW in a specific accumulation area and identifying the earliest date that any UW in the area became a waste or was received; or

- any other method which clearly demonstrates the length of time that the UW has been accumulated from the date it became a waste or was received.
- G. Each UW container must be marked, as appropriate, with the words "Universal Waste Lamps," "Universal Waste Battery (ies)," "Universal Waste Thermostat(s)" or "Universal Waste Pesticide(s)." The following phrases are also acceptable: "Waste Lamp(s)," "Used Lamp(s)," "Waste Battery(ies)," "Used Battery(ies)," "Waste Thermostat(s)," "Used Thermostat(s)." The container for each type of UW must meet the following criteria:
- the container remains closed.
  - the container is structurally sound.
  - the container is compatible with the UW.
  - the container lacks evidence of leaks, spillage or damage that could cause leakage.
- H. Storage Time Limits (UW): small and large quantity UW handlers may store their UW on-site for up to one year from the time it was generated. If accumulation for greater than one year is required, the handler must be able to prove that the accumulation is necessary in order to facilitate proper recovery, treatment or disposal. UW transporters may store UW during the normal course of transportation at a universal waste transfer facility (includes loading docks, parking areas, storage areas and other similar areas where shipments of UW are held) for 10 days or less. If a UW transporter stores UW for more than 10 days, the transporter becomes a UW handler and must comply with all applicable requirements of the UWR.
- F. Transporters (UW): This person engages in the off-site transfer of UW by air, rail, highway or water and must comply with all applicable DOT regulations. UW transporters may transport UW from one UW handler to another, to UW destination facilities or to foreign destinations. A UW transporter is prohibited from disposing, diluting or treating UW except when responding to a release. A UW transporter must respond to releases of UW during transit. Shipments of UW for export must conform to U.S. EPA's "Acknowledgment of Consent." UW handlers may act as their own transporter as long as they comply with the UW transporter requirements in OAC rules 3745-273-50 through 3745-273-56.
- I. Destination facilities (UW): A destination facility is defined in OAC rule 3745-273-09(B) as a facility that treats, disposes of or recycles a particular category of UW. The owner/operator of a destination facility receives UW from transporters and handlers. If storage of the UW is necessary prior to recycling, then the destination facility must have a hazardous waste installation and operation permit. If the destination facility conducts recycling without storage, they must comply with OAC rule 3745-51-06(C)(2). Ohio EPA maintains a list of recyclers on our website.
- J. Universal waste handlers are not required to manifest their off-site shipments. All universal waste handlers must ensure delivery of their universal waste to another universal waste handler or to a permitted destination facility as defined in OAC rule 3745-273-09(C). However, written evidence (disposal receipt documentation) from the destination facility shall be provided to the OWNER.

### 3.2 USED OIL

- A. Label containers or tanks of used oil with the words, "Used Oil."
- Store used oil in containers or tanks that are in good condition (not rusting, leaking, etc.).
  - If there is a leak of used oil: stop the leak, contain it, clean it up and properly manage the cleanup materials.
  - Use a transporter with an EPA identification number when shipping used oil off site.
  - Do not mix used oil with other wastes such as mineral spirits, brake cleaner fluid or washer solvents, unless you are sure that you are complying with the appropriate regulations.

- B. Used oil shall be transported off-site to an Ohio registered used oil recycler. The Ohio EPA's website maintains a list of registered used oil recyclers. The Contractor must use a used oil transporter who has a U.S. EPA identification number.
- C. Besides Ohio's used oil regulations, if 660 gallons or more of used oil is in a single above ground storage container or tank, a spill prevention plan must be in place.
- D. Transporters: As a used oil transporter, the following is applicable:
  - Notify Ohio EPA, DMWM, and obtain an EPA identification number by filling out a notification form (9029) or by submitting a letter to Ohio EPA with the appropriate information.
  - Determine if the used oil contains more than one thousand parts per million (ppm) total halogens and retain records of all analyses or information used to make this determination for three years (OAC rule 3745-279-44). Acceptable analytical test protocols include SW-846 Test Methods 9075, 9076 and 9077. The latter of these methods is a field test method such as Chlor-D-Tect 1000® and Chlor-D-Tect 4000®.
  - Deliver used oil only to another used oil transporter, used oil processor/re-refiner, off-specification used oil burner or on-specification used oil burner.
  - Comply with all applicable Department of Transportation (PUCO in Ohio) requirements.
  - Manage all residues from transporting or storing used oil in accordance with OAC rule 3745-279-10(E).
  - Manage all residues from transporting and incidental treatment of used oil that are hazardous waste in accordance with the applicable hazardous waste rules of Chapters 3745-50 to 3745-69, 3745-205, 3745-256, 3745-266, and 3745-270 of the Administrative Code.
  - Retain records of all shipments and deliveries of used oil for at least three years, copies must be provided to the OWNER. The information recorded must include:
    - Name and address of used oil provider or receiver.
    - U.S. EPA identification number.
    - Date; and
    - Signature of receiver or provider of used oil

### 3.3 HAZARDOUS WASTE (Including PCBs)

- A. Store hazardous waste items into U.S. Department of Transportation (49 CFR 178) approved 55-gallon drums. Properly label each drum to identify the type of waste (49 CFR 172) and the date wastes were first put into the drum. Obtain and complete Uniform Hazardous Waste Manifest forms from the OWNER. The OWNER or an authorized representative will assign an area for interim storage of waste-containing drums. Do not store hazardous waste drums in interim storage longer than 90 calendar days from the date affixed to each drum.  
Comply with land disposal restriction notification requirements as required by 40 CFR 268:
  - a. At least 14 days prior to delivery, notify the OWNER who will arrange for job site inspection of the drums and manifests.
  - b. As necessary, make lot deliveries of hazardous wastes to the OWNER's Hazardous Waste Storage Facility to ensure that drums do not remain on the jobsite longer than 90 calendar days from the date affixed to each drum.
  - c. Dispose of hazardous waste materials at a EPA/state approved hazardous waste treatment, storage, or disposal facility off OWNER property.
  - d. Handle, store, transport, and dispose of hazardous waste in accordance with all applicable federal, state, and local regulations, including but not limited to, 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 40 CFR 265. Comply with land disposal restriction notification requirements as required by 40 CFR 268.
- B. Disposal Documentation Submit written evidence that the hazardous waste treatment, storage, or disposal facility (TSD) is approved for hazardous waste disposal by the EPA and state or

local regulatory agencies. Submit one copy of the completed manifest, signed and dated by the initial transporter in accordance with 40 CFR 262.

### **3.4 FIRE EXTINGUISHERS / ELECTRONIC WASTE**

Contractor shall provide to Owner's Abatement Consultant a full inventory of all fire extinguishers that are scheduled for recycling or disposal. Owner's Abatement Consultant shall be provided this list prior to removing the fire extinguishers from the building. Contractor shall provide to Owner's Abatement Consultant all manifest documentation associated with the transport, recycling, or disposal of the fire extinguishers.

Contractor shall provide to Owner's Abatement Consultant a full inventory of all E-Waste that is scheduled for recycling or disposal. Owner's Abatement Consultant shall be provided this list prior to removing the E- Waste from the building. Contractor shall provide to Owner's Abatement Consultant all manifest documentation associated with the transport, recycling, or disposal of the E-Waste.

## **PART 4 – LEAD-CONTAINING PAINT**

### **4.0 General**

The U.S. EPA defines paint that contains more than 5000 milligrams per kilogram (mg/kg) [equivalent to parts per million (ppm)] of lead as *lead-based paint*. The Consumer Product Safety Act "Ban of Lead-containing Paint and Certain Consumer Products Bearing Lead-Based Paint" defines paint that contains more than 600 mg/kg as *lead-containing paint*. The Occupational Safety and Health Administration (OSHA) regulates potential employee exposure to lead, regardless of the concentration of lead in the paint.

Painted surfaces are present throughout the building. Contractor shall consider all paint throughout to contain lead. All contractors that may disturb these painted surfaces during their activities will be required to comply with Occupational Safety and Health Administration (OSHA) regulations. Any required worker OSHA monitoring or other assessment is the responsibility of each individual contractor. Wastes generated will be subject to Environmental Protection Agency (EPA) regulations.

This project is not considered to be under the jurisdiction of the United States Department of Housing and Urban Development (HUD), the Ohio Department of Health (ODH), or under the EPA Repair, Renovation and Painting rules since project activities are not in support of housing or other specific building-use purposes (i.e. day care centers for children under six years of age). Individual contractors are ultimately responsible for ensuring that all applicable OSHA and EPA requirements are met.

--- E N D ---

## **ATTACHMENT D**

**ATTACHMENT D-1**

**United Way of Central Ohio Project  
360 South 3<sup>rd</sup> Street  
Columbus, Franklin County, Ohio**

**HAZARDOUS MATERIALS AND UNIVERSAL WASTES TO BE REMOVED  
AND DISPOSED FROM UNITED WAY DEMOLITION PROJECT**

Base Bid work will be completed concurrently with asbestos abatement		
Materials Description	Estimated Quantity	General Location
Universal Waste Lamps: Lamps various types, assumed to be either fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, UV or metal halide lamps.	Ceiling light fixtures throughout the building: 8-foot lamps: 16 4-foot lamps: 857 U shaped lamps: 104 High Intensity bulbs: 43 Compact bulbs: 8	Throughout interior and exterior of the building.
	Lamps associated with 22 emergency strobe lights	
	Lamps associated with 40 exit lighting devices	
Universal waste batteries: (backup batteries [type DDm 50-13 300 HM NOM] and emergency exit support equipment)	Lamps associated with 40 exit lighting devices	Throughout interior of the building
Universal waste mercury-containing equipment	1 Thermostat	First floor office area
Potential PCB-Containing Equipment/Used Oil	<b>Fluorescent light ballasts:</b> 654 associated with fluorescent light fixtures	Throughout interior of the building
	<b>Elevator hydraulic fluid:</b> 2 reservoir tanks (estimated 100-gallons)	Basement
Refrigerants – must be captured and recycled	8 refrigerator/freezer units throughout the building (standard and miniature units)	Throughout interior of building various locations
	3 refrigerated vending machines in kitchen and/or employee break rooms/lounges	Kitchens, lounges breakrooms on floors 1 though 3
	<b>Drinking water fountains:</b> 6 fountains and bottle filling stations	Throughout interior of building
	<b>HVAC package units:</b> 13 units  1 unit	Roof of building  Exterior pad-mounted

Hazardous Material and Universal Waste Removal Technical Specification

Document Date: 11/12/24

Project No: N6227357

<b>Base Bid work will be completed concurrently with asbestos abatement</b>		
<b>Materials Description</b>	<b>Estimated Quantity</b>	<b>General Location</b>
	<b><u>Window inserted and portable AC units:</u></b> 3 units	Interiors
Electronic Wastes	<b><u>Appliances</u></b> 1 each dishwasher 1 each electric stove 5 each microwave	3 <sup>rd</sup> floor kitchen, 2 <sup>nd</sup> floor kitchen, and basement area
	<b><u>Televisions and monitors:</u></b> 40 each	Throughout building
	<b><u>Routers</u></b> 8 each  <b><u>Overhead projectors</u></b> 3 each  <b><u>Fax and copy machines</u></b> 22 each  <b><u>Speakers</u></b> 23 each	Throughout building interiors
	<b><u>Security cameras</u></b> 4 each	Throughout building interiors and exteriors
	<b><u>Computers</u></b> 80 each	Throughout building interiors
	Accumulation of discarded chemical containers	<b><u>Various containers of paints, cleaners, solvents, etc. Due to the significant accumulation, and the variability of items, quantities were not taken.</u></b>
Fire Extinguishers	16 each	Throughout interior of the building
Smoke Detectors	<b><u>Assumed to be hardwired with no batteries and the ionization type these are recycled to the manufacturer if; if batteries are present, these should be handled as discussed with UW batteries:</u></b> 31 units	Throughout interior of the buildings.

## **ATTACHMENT E**

### Bidding Sheet

Contractor: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/ZIP: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

FAX No. or Email Address: \_\_\_\_\_

Abatement License No.: \_\_\_\_\_ for State of \_\_\_\_\_

#### STIPULATED SUM

We have examined the Bidding Documents and Contract Documents including:

Addendum No. \_\_\_\_\_ dated: \_\_\_\_\_

Addendum No. \_\_\_\_\_ dated: \_\_\_\_\_

Addendum No. \_\_\_\_\_ dated: \_\_\_\_\_

**Estimated quantities are provided. Quantities are not part of this contract. The Contractor is responsible to formulate quantities from which to bid and with which to notify regulatory agencies.**

Bid the work described in Asbestos Removal Chapters 1 through 18 and Hazardous Material Removal Parts 1 through 3 as lump sum inclusive of all fees, expenses, consumables, labor charges, disposal, etc. to complete all work.

**By signing below, the bidder warrants that he/she/they has informed and familiarized themselves of the conditions under which the work is to be performed at the worksite and all obstacles which may be encountered during the work, and all other relevant matters concerning the work to be performed. And the bidder, if awarded the contract, shall not be allowed any extra compensation by reason of any matter or thing concerning which they might have fully informed themselves, but failed to do so prior to bidding. Bidder proposes to furnish all material, to pay all insurances, Federal, State, local, and other taxes that may be required to be paid or collected, and to perform all labor as specified and described in the Bidding Documents and Contract Documents for the following sums:**

Asbestos and Hazardous Material Removal – Bidding Sheets

Document Date: November 12, 2024

Project No: N6227357

**BASE BID ASBESTOS REMOVAL**

<b>UNIT PRICE LIST – ASBESTOS MATERIALS</b>			
<b>Base bid</b>			
<b>Item</b>	<b>Unit of Measure</b>	<b>Unit Price</b>	<b>Sub-total</b>
Black window glazing gasket	70 Square Feet (SF) 110 windows		
Dark brown window caulk	70 SF 12 windows		
Yellow/black mastic (Beneath non-ACM blue stair tread and 24"x24" blue textured floor tile)	450 SF		
Black mastic	7,000 SF		
Yellow/black carpet mastic	200 SF		
Residual black mastic	500 SF		
Fire doors	920 SF 46 doors		
Elevator doors	120 SF 6 doors		
Transite™ contact switches	47 SF 9 panels		
Labor and equipment to investigate with metal panels under exterior windows	8 each		
Labor and equipment to investigate 6-foot depth on exterior elevations of building foundation walls	4 each		
<b>ASBESTOS ABATEMENT SUB-TOTAL</b>			

<b>UNIT PRICE LIST – OPTIONAL</b>			
<b>Item</b>	<b>Unit of Measure</b>	<b>Unit Price</b>	<b>Sub-total</b>
Labor, materials and equipment to remove asbestos containing materials associated with metal panels under exterior windows	86 each		
Labor, materials and equipment to remove asbestos containing waterproofing on foundation walls*	100 cubic yards		

**\*for bidding consistency, contractor shall assume one cubic yard of concrete is equivalent to 4,050 pounds of weight.**

**BASE BID HAZARDOUS MATERIAL REMOVAL**

<b>UNIT PRICE LIST – HAZRDOUS MATERIALS</b>		
<b>Base Bid</b>		
<b>Item</b>	<b>Unit of Measure</b>	<b>Lump Sum Price</b>
Universal Waste Lamps: Lamps various types, assumed to be either fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, UV or metal halide lamps	Ceiling light fixtures throughout the building: 8-foot lamps: 16 4-foot lamps: 857 U shaped lamps: 104 High Intensity bulbs: 43 Compact bulbs: 8	
	Lamps associated with 22 emergency strobe lights	
	Lamps associated with 40 exit lighting devices	
Universal waste batteries: (backup batteries [type DDm 50-13 300 HM NOM] and emergency exit support equipment)	Lamps associated with 40 exit lighting devices	
Universal waste mercury-containing equipment	1 Thermostat	
Potential PCB-Containing Equipment/Used Oil	<b>Fluorescent light ballasts:</b> 654 associated with fluorescent light fixtures	
	<b>Elevator hydraulic fluid:</b> 2 reservoir tanks (estimated 100-gallons)	
Refrigerants – must be captured and recycled	8 refrigerator/freezer units throughout the building (standard and miniature units)	
	3 refrigerated vending machines in kitchen and/or employee break rooms/lounges	
	<b>Drinking water fountains:</b> 6 fountains and bottle filling stations	
	<b>HVAC package units:</b> 13 units roof top  1 each exterior pad mounted	
	<b>Window inserted and portable AC units:</b> 3 units	
Electronic Wastes	<b>Appliances</b> 1 each dishwasher 1 each electric stove 5 each microwave	
	<b>Televisions and monitors:</b> 40 each	
	<b>Routers</b> 8 each	
	<b>Overhead projectors</b> 3 each	
	<b>Fax and copy machines</b> 22 each	

United Way of Central Ohio Demolition

360 South 3<sup>rd</sup> Street, Columbus, Franklin County, Ohio

Asbestos and Hazardous Material Removal – Bidding Sheets

Document Date: November 12, 2024

Project No: N6227357

UNIT PRICE LIST – HAZRDOUS MATERIALS		
Base Bid		
Item	Unit of Measure	Lump Sum Price
	<u>Speakers</u> 23 each	
	<u>Security cameras</u> 4 each	
	<u>Computers</u> 80 each	
Accumulation of discarded chemical containers	<u>Various containers of paints, cleaners, solvents, etc. Due to the significant accumulation, and the variability of items, quantities were not taken</u>	
Fire Extinguishers	16 each	
Smoke Detectors	31 units	
HAZARDOUS MATERIAL REMOVAL SUB-TOTAL		

**Item Description** **Sub-total (values from tables above)**

Asbestos Abatement (lump sum fee) = \$ \_\_\_\_\_

Hazardous Material Removal (lump sum fee) = \$ \_\_\_\_\_

Allowance (lump sum) = **\$5,000 (five thousand dollars and zero cents)**

\*Allowance – each bidder shall include this amount budgeted for an item for which no exact dollar amount is available, i.e., a contingency for unseen costs. Should an unforeseen condition be encountered a change order will be written to authorize a change from the original plans, specification, or other contract document, including a change in cost. If no unforeseen conditions are encountered and allowance not required, a contract deduct will be authorized by Contractor to Owner.

**Grand Total Base Bid** = \$ \_\_\_\_\_

**Grand Total Base Bid Written total dollar amount:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Asbestos and Hazardous Material Removal – Bidding Sheets

Document Date: November 12, 2024

Project No: N6227357

**GENERAL LABOR UNIT PRICING**

Item Description	Sub-Total
Abatement Supervisor: 4 hours minimum: Routine work shift (between 0700-1700) (With supplies and equipment with 12-hour response time)	= \$
Abatement Worker: 4 hours minimum: Routine work shift (between 0700-1700) (With supplies and equipment with 12-hour response time)	= \$
Mobilization Fee: Routine work shift (between 0700-1700)	= \$
Abatement Supervisor: 4 hours minimum: non-routine work shift (between 1700-0700 or holiday) (With supplies and equipment with 12-hour response time)	= \$
Abatement Worker: 4 hours minimum: non-routine work shift (between 1700-0700 or holiday) (With supplies and equipment with 12-hour response time)	= \$
Mobilization Fee: 4 hours minimum: non-routine work shift (between 1700-0700 or holiday)	= \$

**This completes Bidding Sheets.**

November 6, 2024

Moody Nolan, Inc.  
300 Spruce Street  
Columbus, Ohio 43215

Attn: Mr. Anup Janardhanan  
P: (614) 280-3220  
E: AnupJ@moodynolan.com

Re: United Way of Central Ohio  
360 South 3<sup>rd</sup> Street  
Columbus, Franklin County, Ohio 43215  
Terracon Project No. N6227357

Dear Mr. Janardhanan:

Terracon Consultants, Inc. (Terracon) is pleased to submit this asbestos inspection addendum letter report to the original asbestos inspection report which Terracon prepared and issued on January 13, 2023, regarding the above-referenced property.

## **Background**

For this assessment effort, Terracon reviewed the demolition and site plan drawings (80% design stage) prepared by Korda Nemeth Engineering, as well as the demolition plan and typical exterior elevation (80% design stage) prepared by Moody Nolan, Inc., which were all dated September 12, 2024. Upon this review, Terracon conducted a building walkthrough on October 31, 2024, to verify and confirm the presence of the asbestos-containing materials (ACM) identified in the January 13, 2023, asbestos inspection report, as well as evaluate any additional suspect ACM that were not captured in the original inspection due to lack of accessibility, or other factors.

## **Site Activity and Findings**

On October 31, 2024, Terracon representative Mr. Ryan Malott, Ohio Environmental Protection Agency (OEPA)-Certified Asbestos Hazard Evaluation Specialist (AHES; #ES33506) visited the above referenced project site to confirm the presence, quantities, and locations of existing ACM, which were previously identified by Terracon and documented within the January 13, 2023, asbestos inspection report. The existing ACM reported by Terracon were confirmed to be present during the October 31, 2024, site visit. The following additional ACM were also observed and assumed to be present, which were not included within the January 13, 2023, asbestos inspection report:

- ACM Category II Non-Friable Fire Doors:
  - Basement – 1 door (~20 total square feet)
  - First Floor – 25 doors (~500 total square feet)
  - Second Floor – 11 doors (~220 total square feet)
  - Third Floor – 9 doors (~180 total square feet)
- ACM Category II Non-Friable Elevator Fire Doors:
  - First Floor – 2 doors (~40 total square feet)
  - Second Floor – 2 doors (~40 total square feet)
  - Third Floor – 2 doors (~40 total square feet)
- ACM Category II Non-Friable Cementitious (Transite™) Contact Switches Associated with Electrical Panels:
  - Basement – 1 Panel (~18 total square feet)
  - First Floor – 2 panels (~8 total square feet)
  - Second Floor – 3 panels (~12 total square feet)
  - Third Floor – 3 panels (~9 total square feet)

Asbestos-containing material location diagrams for the above assumed asbestos-containing materials are included within Attachment A. The inspector's credentials are within Attachment B.

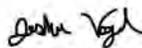
Terracon appreciates the opportunity to provide this service to Moody Nolan, Inc. If you have any questions regarding this report, please contact the undersigned.

Sincerely,

**Terracon**



Ryan T. Malott, MBA, CIH, CSP  
Group Manager | Asbestos & IH Services



Josh Vogel  
Group Manager | Asbestos & IH Services

**Attachments:** Attachment A – Asbestos Material Location Diagrams  
Attachment B – Inspector's Credentials

**Asbestos Inspection Report - Addendum**

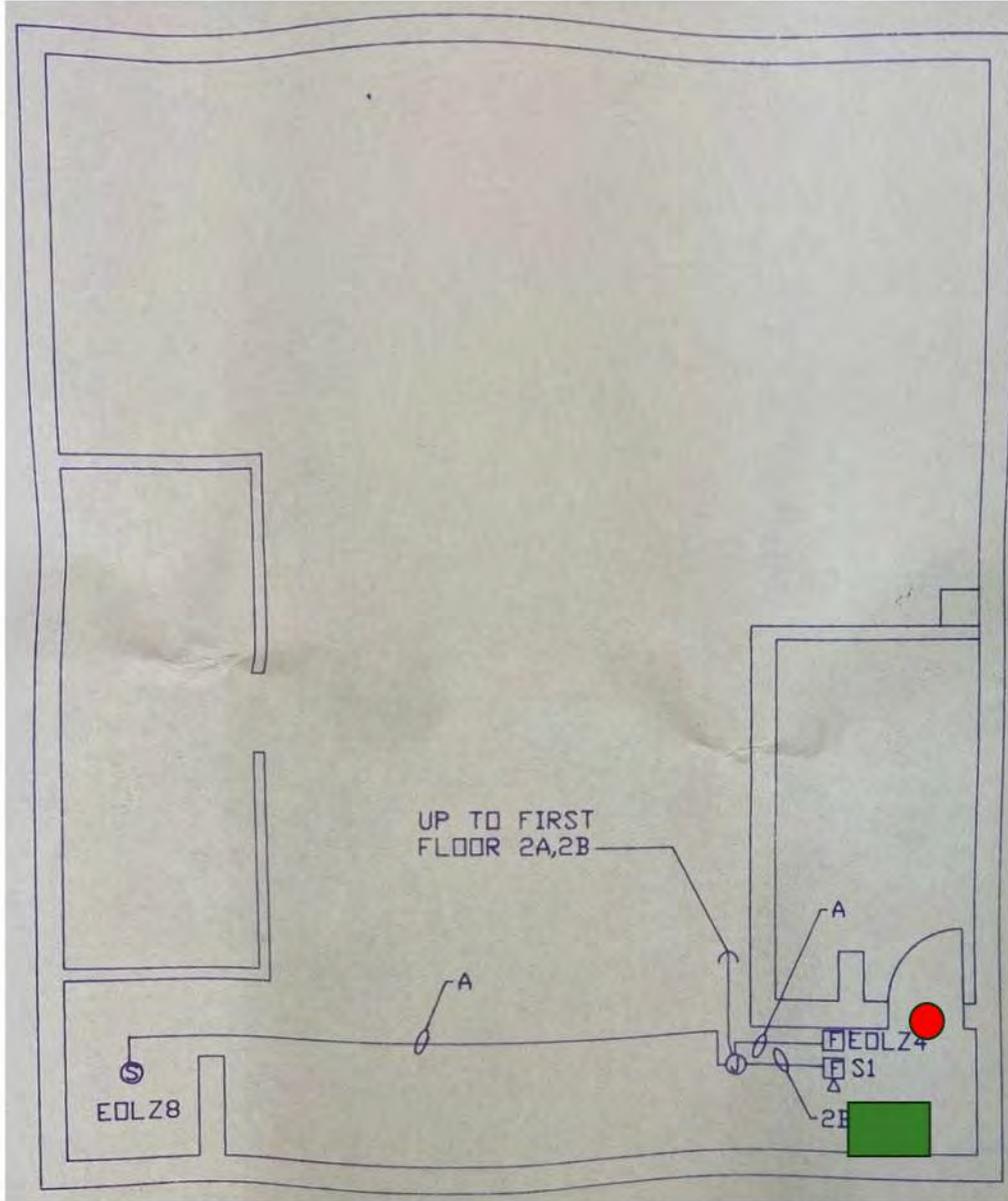
United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



**ATTACHMENT A**

**Asbestos Material Location Diagrams**

### Basement



### Legend:

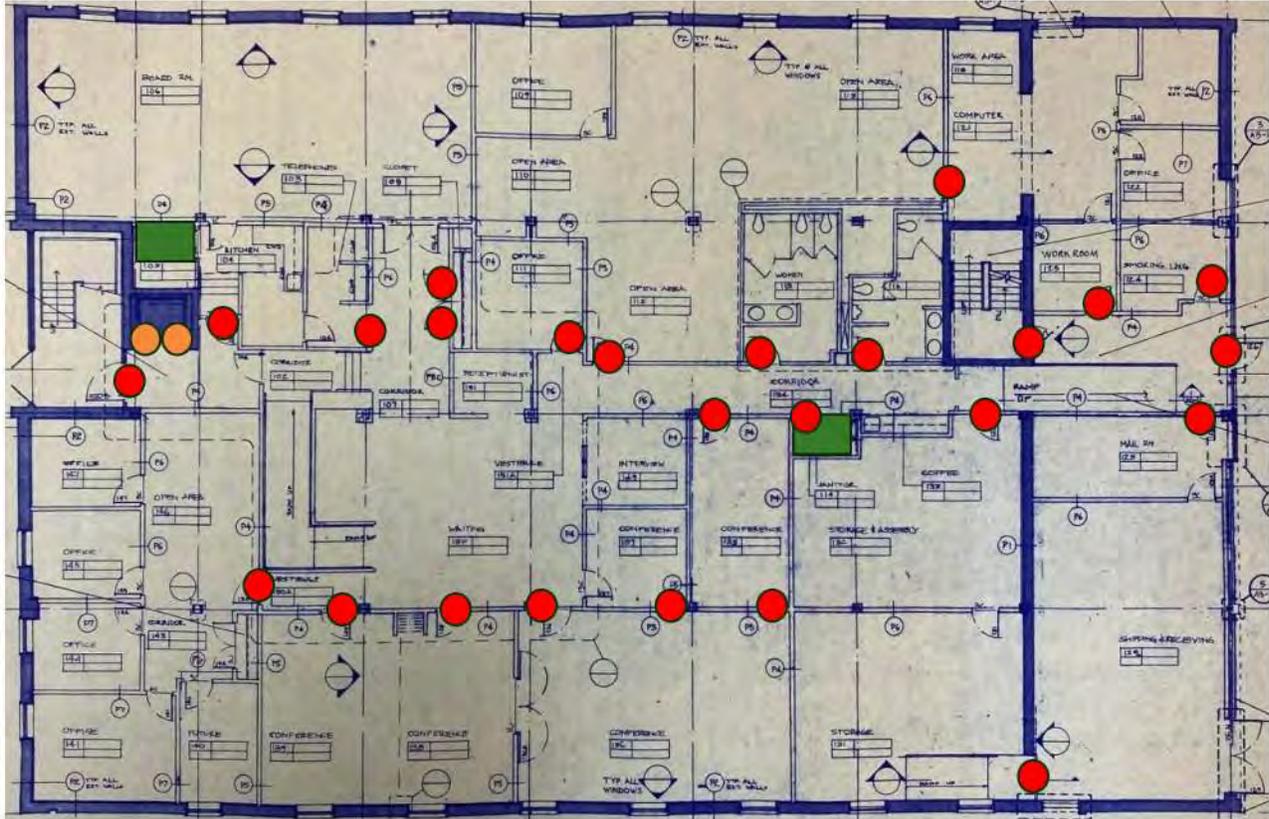
-  Assumed Asbestos-Containing ACM (AACM) Fire Doors
-  AACM Cementitious (Transite™) Contact Switches

**Asbestos Inspection Report - Addendum**

United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



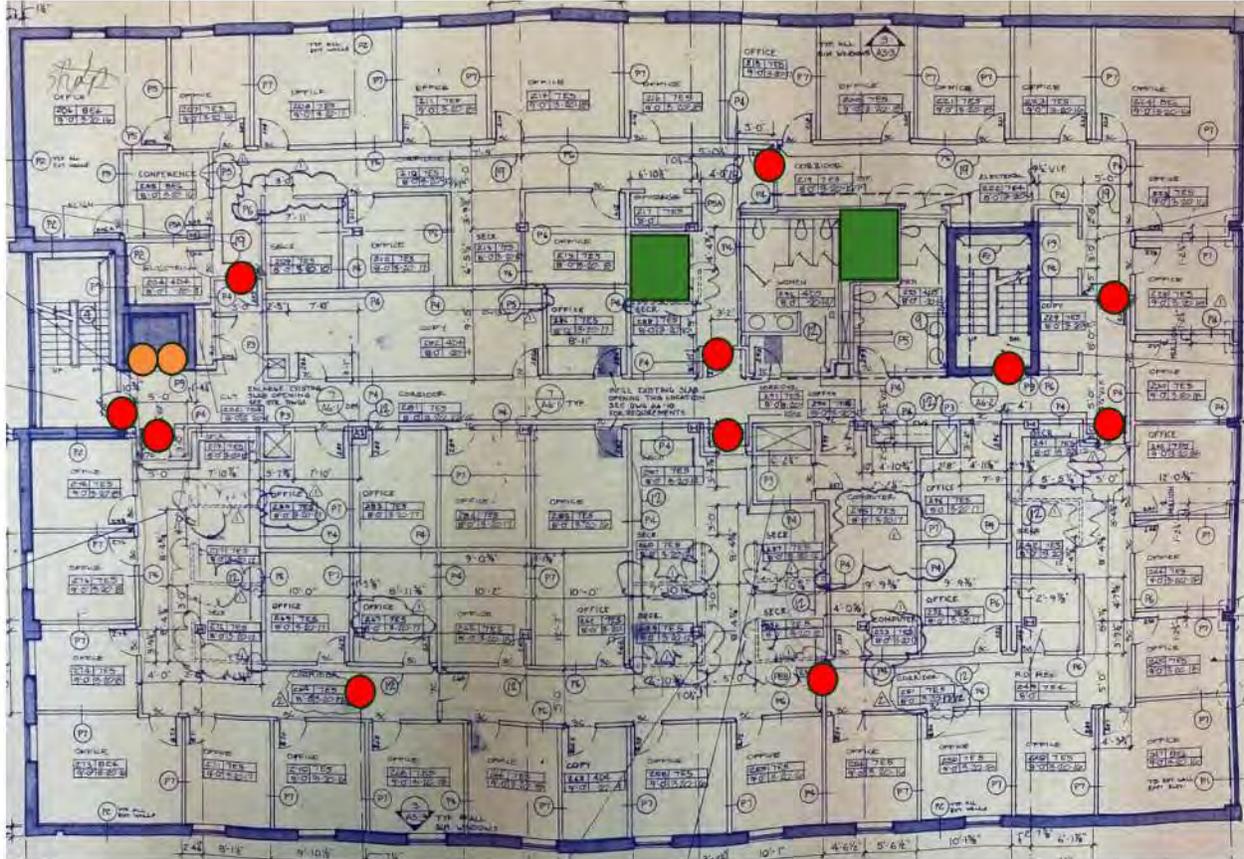
**First Floor**



**Legend:**

	A ACM Fire Doors
	A ACM Elevator Doors
	A ACM Cementitious (Transite™) Contact Switches

## Second Floor



### Legend:

-  AACC Fire Doors
-  AACC Elevator Doors
-  AACC Cementitious (Transite™) Contact Switches

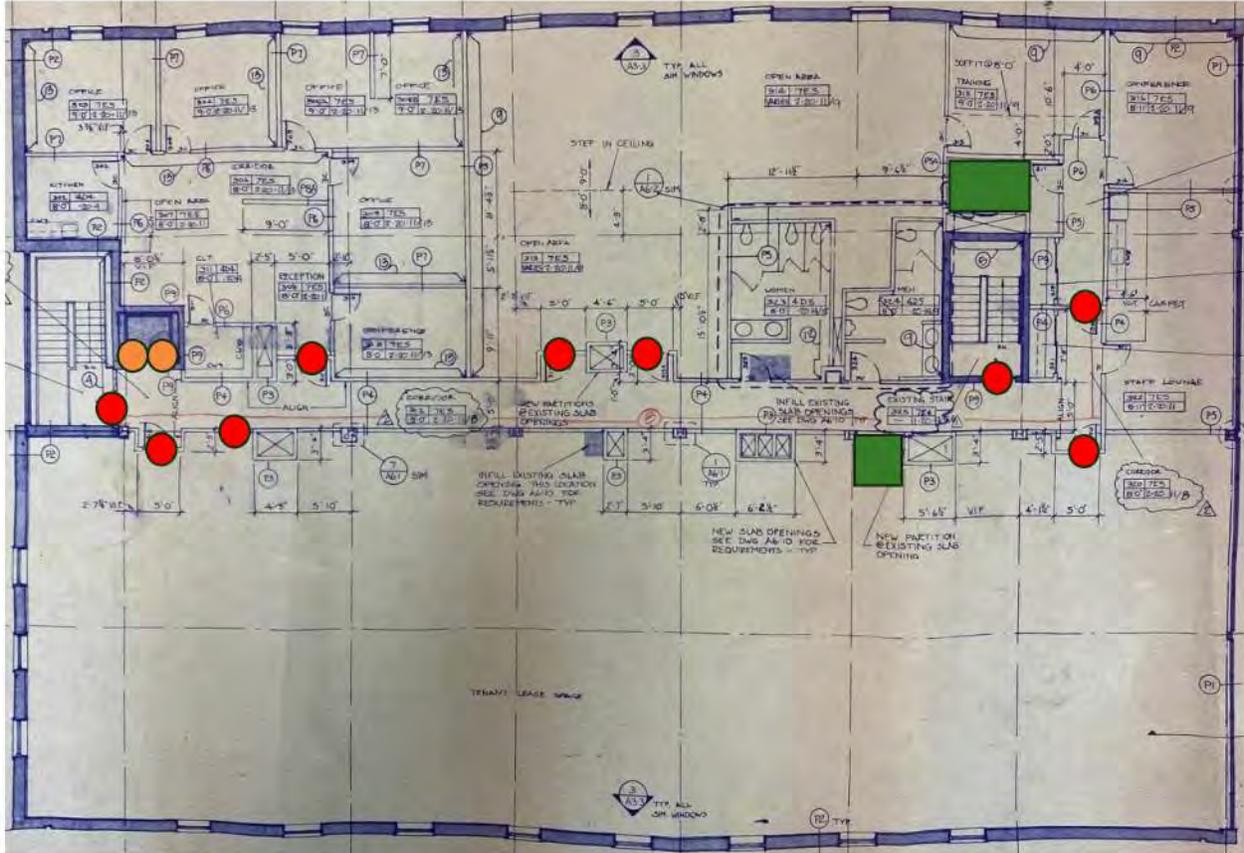
# Asbestos Inspection Report - Addendum

United Way of Central Ohio ■ Columbus, OH

November 6, 2024 ■ Project No. N46227357



## Third Floor



### Legend:

-  AACM Fire Doors
-  AACM Elevator Doors
-  AACM Cementitious (Transite™) Contact Switches

**Asbestos Inspection Report - Addendum**

United Way of Central Ohio ■ Columbus, OH  
November 6, 2024 ■ Project No. N46227357



**ATTACHMENT B**  
**Inspector's Credentials**



Mike DeWine, Governor  
Jon Husted, Lt. Governor  
Anne M. Vogel, Director

8/1/2024

Ryan Malott  
7872 Sudeley Court  
Westerville, OH 43081

RE: Evaluation Specialist  
Certification Number: ES33506  
Expiration Date: 9/27/2025

Dear Ryan Malott:

This letter and enclosed certification card approves your request to be certified as an asbestos Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Ohio Environmental Protection Agency (EPA) for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please contact the Asbestos Program at 614-644-0226 or by email at [asbestoslicensing@epa.ohio.gov](mailto:asbestoslicensing@epa.ohio.gov).

Sincerely,

*Brandon M. Schwendeman*

Brandon Schwendeman  
Manager, Business Operations Support Section  
Ohio EPA - Division of Air Pollution Control



50 West Town Street • Suite 700 • P.O. Box 1049 • Columbus, OH 43216-1049  
epa.ohio.gov • (614) 644-3020 • (614) 644-3184 (fax)



# TRAINING SERVICES INTERNATIONAL

## Asbestos Building Inspector Refresher

### Certificate

This is to certify

# Ryan Malott

## XXXX-XX-8697



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act, State of Indiana requirements under 326 IAC 18-2, Chapter 3745-22 Ohio Administrative Code and State of Michigan MCL Section 338.340.

7/26/2025

Training Manager      Expiration Date

7/26/2024

Date(s) of Course

7/26/2024

Examination Date

Online Webinar

Course Location

## Asbestos Management Planner Refresher

### Certificate

This is to certify

**Ryan Malott**

XXXX-XX-8697



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3745-22 Ohio Administrative Code, and the Illinois Department of Public Health (IDPH) under section 855.120 of Title 77. IDPH recognition based on student request.

7/26/2025

Training Manager      Expiration Date

7/26/2024

Date(s) of Course

7/26/2024

Examination Date

Online Webinar

Course Location

# Phase I Environmental Site Assessment

Project Aspire Update

360 South Third Street

Columbus, Franklin County, Ohio

September 9, 2024 | Terracon Project No. N4247251

**Prepared for:**

Moody Nolan Inc  
300 Spruce Street  
Suite 300  
Columbus, Ohio



**Prepared by:**

Terracon Consultants, Inc.  
Gahanna, Ohio



Nationwide  
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials



800 Morrison Road  
Gahanna, Ohio 43230-6643  
P 614-863-3113  
F 614-863-0475  
**Terracon.com**

September 9, 2024

Moody Nolan Inc  
300 Spruce Street  
Suite 300  
Columbus, Ohio 43215

Attn: Mr. Anup Janardhanan  
P: (614) 461-4664  
E: anupj@moodynolan.com

Re: Phase I Environmental Site Assessment  
Project Aspire Update  
360 South Third Street  
Columbus, Franklin County, Ohio  
Terracon Project No. N4247251

Dear Mr. Janardhanan:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced subject property (hereinafter known as the 'site'). This assessment was performed in accordance with the client-provided AIA Document C402-2018 Standard Form of Agreement Between Architect and Consultant for Special Services, dated August 22, 2024.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide other environmental, geotechnical, construction materials, and facilities services on a wide variety of projects locally, regionally, and nationally. For more detailed information on all of Terracon's services please visit our website at [www.terracon.com](http://www.terracon.com). If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

**Terracon Consultants, Inc.**

*Scott Shipkowski*

Scott Shipkowski  
Staff Scientist

*Wenisha Brooks*

Wenisha Brooks  
Group Manager

Attachments

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APPENDIX B Site Photographs

APPENDIX C Historical Documentation and User Questionnaire

APPENDIX D Environmental Database Information

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## EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with the client-provided AIA Document C402-2018 Standard Form of Agreement Between Architect and Consultant for Special Services, dated August 22, 2024., and was conducted consistent with the procedures included in ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. The ESA was conducted under the supervision or responsible charge of Ms. Wenisha Brooks, Environmental Professional. Mr. Scott Shipkowski performed the site reconnaissance on August 23, 2024.

### Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

### Site Description and Use

The site consists of 1.079 acres of land and is located at 360 South Third Street, Columbus, Franklin County, Ohio (associated with Franklin County Auditor Parcel Number 010-006471-00). The site is improved with a 11,534-square-foot (sf) three story, vacant office building and an asphalt-paved parking lot. The parking lot is currently being leased to a third-party company, Laz Parking, to operate their paid public parking lot business.

### Historical Information

Based on a review of the available historical sources, the site consisted of mixed-residential and commercial structures (including a church, law firms, apartment complexes, cobbler shops, tin shops, welding and machining shop, furniture stores, and various offices) between 1887 and 1951. South Lazelle Street was constructed on the eastern portion of the site circa 1901 and was present until at least 1951. Between 1963 and 1964, the site was cleared and by at least 1972, the present-day office building was constructed. Terracon conducted a Limited Site Investigation (LSI) at the site in December of 2022 to evaluate potential impacts to the soil and ground water at site from former operations. The findings of the investigation revealed that additional investigation at the site was not warranted. The former on-site operations are discussed further in Sections 3.1 and 3.2 and the details of the LSI report are discussed further in Section 3.7.

The north, east, south, and west adjoining properties have consisted of mixed residential and commercial facilities since at least 1887 through the present-day.

## Records Review

Selected federal and state environmental regulatory databases, as well as responses from state regulatory agencies, were reviewed. The site was not listed in the regulatory databases.

The facilities listed in the database report do not appear to represent recognized environmental conditions (RECs) to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

## Site Reconnaissance

During the site reconnaissance, Terracon observed the following features: an asphalt paved parking lot, a vacant office building with multiple office spaces, a catch basin, a solid waste dumpster, a hydraulic elevator and its associated equipment, an interior floor drain, and a heating furnace.

RECs were not identified with the on-site features.

## Adjoining Properties

The north adjoining property consists of East Mound Street followed by The Renaissance Condos. The CME Federal Credit Union and associated parking lot abut the site to the east. The south adjoining property consists of East Engler Street followed by Trinity Lutheran Church, South Lazelle Street, and an asphalt-paved parking lot associated with the Columbus Fire Station. South Third Street followed by Joseph Skilken Realty and an asphalt-paved parking lot are present to the west of the site. RECs were not identified with the adjoining properties.

## Prior Reports

Terracon Consultants, Inc. prepared three Phase I ESA reports, dated November 2022, July 2023, and February 16, 2024 (Terracon Project Numbers N4227259, N4237115, and N4247006 respectively), and a Limited Site Investigation report, dated December 2022 (Terracon Project Number N4227283) for the site. The previous reports are discussed further in section 3.7.

## Significant Data Gaps

Significant data gaps were not identified for the site.

## Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E1527-21 at Project Aspire Update located at 360 South Third Street in Columbus,

Franklin County, Ohio, the site. RECs, Controlled RECs (CRECs), and/or Significant Data Gaps (SDGs) were not identified in connection with the site.

## **Recommendations**

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs, CRECs, or SDGs in connection with the site. As such, no additional investigation is warranted at this time.

# 1.0 INTRODUCTION

## 1.1 Site Description

<b>Site Name</b>	Project Aspire Update
<b>Site Location/Address</b>	360 South Third Street, Columbus, Franklin County, Ohio
<b>Land Area</b>	Approximately 1.079 acres
<b>Site Improvements</b>	The site is improved with a 11,534-sf three-story, vacant office building with an asphalt-paved parking lot.
<b>Anticipated Future Site Use</b>	Redevelopment as a housing community
<b>Reason for the ESA</b>	Acquiring the site

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

## 1.2 Scope of Services

This Phase I ESA was performed in accordance with the client-provided AIA Document C402-2018 Standard Form of Agreement Between Architect and Consultant for Special Services, dated August 22, 2024., and was conducted consistent with the procedures included in ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. Recognized environmental conditions are defined by ASTM E1527-21 as “(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.” A de minimis condition is not a recognized environmental condition.

This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews (including local government inquiries, as applicable), and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

### **1.3 Standard of Care**

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, expressed or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

### **1.4 Additional Scope Limitations, ASTM Deviations, and Data Gaps**

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e., evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation

of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances, petroleum products or PFAS compounds may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

## **1.5 Reliance**

This ESA report is prepared for the exclusive use and reliance of Moody Nolan Inc. Use or reliance by any other party is prohibited without the written authorization of Moody Nolan Inc and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-21 Section 4.6. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-21.

## **1.6 Client Provided Information**

Prior to the site visit, Mr. Mike Wagner, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-21 Section 6.

### Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Releases at the site.			X

Terracon’s consideration of the client provided information did not identify RECs. A copy of the questionnaire is included in Appendix C.

## 2.0 PHYSICAL SETTING

Physical Setting Information		Source
<b>Topography</b>		
Site Elevation	Approximately 750 feet above sea level.	USGS Topographic Map, Southeast, OH (1994) and Southwest Columbus, OH (1995) Quadrangles (Appendix A)
Topographic Gradient	Gently sloping towards the west-southwest	
Closest Surface Water	The Scioto River located approximately 0.55 miles west of the site.	
<b>Soil Characteristics</b>		
Soil Type	Urban Land-Celina Complex	Environmental Risk information Services (ERIS) Physical Setting Report
Description	This soil series consists of moderately well drained soils. At 0 to 18 cm, silt loam is present. At 18 to 64 cm, silty clay loam is present. At 64 to 178 cm, loam is present.	
<b>Geology/Hydrogeology</b>		
Formation	The Ohio Shale formation	ERIS PSR

Physical Setting Information		Source
Description	This formation consists of Shale	
Estimated Depth to First Occurrence of Groundwater	18 to 33 below grade surface (bgs).	Terracon Geotechnical borings drilled in October 2022 (Terracon Project Number N4225419)
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the west-southwest).	

\* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

### 3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

#### 3.1 Historical Topographic Maps, Aerial Photographs, and Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10-to-15-year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs, and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from ERIS to evaluate past uses and relevant characteristics of the site and surrounding properties. ERIS provided Sanborn maps are summarized below.

##### Topographic Maps

- Topographic Maps: East and West Columbus, OH, published **1925, 1943** (1"=2,000')
- Topographic Maps: Southeast and Southwest Columbus, OH, published **1955, 1973, 2013, 2016, 2019** (1"=2,000')

- Topographic Maps: Southeast Columbus, OH published **1964, 1985, 1994** (1"=2,000')

Aerial Photographs

- Aerial Photograph: ASCS, **1938**, 1" = 500'
- Aerial Photograph: ODOT, **1947, 1972**, 1" = 500'
- Aerial Photograph: USGS, **1953, 1963, 1983, 1995**, 1" = 500'
- Aerial Photograph: USDA, **2004, 2005, 2006, 2009, 2010, 2011, 2013, 2015, 2017, 2019, 2021**, 1" = 500'
- Aerial Photograph: MAXAR, **2022**, 1" = 500'

Sanborn Fire Insurance Maps

- Sanborn Maps: Sheet No. 3, 4, 6, and 7, dated **1887**
- Sanborn Maps: Sheet No. 11, 12, 20, and 23, dated **1891**
- Sanborn Maps: Sheet No. 313, 314, 327, 328, 330, 349, dated **1901**
- Sanborn Maps: Sheet No. 1, 5, 6, 7, 13, 14, 18, and 19, dated **1921**
- Sanborn Maps: Sheet No. 1, 5, 6, 7, 13, 14, 18, and 19, dated **1951**
- Sanborn Maps: Sheet No. 1, 5, 6, 7, 13, 14, 18, and 19, dated **1971**

**Historical Maps and Aerial Photographs**

Direction	Description
Site	Multiple residences, a store, and German Church (1887); Multiple residences, multiple stores, and St Paul German Lutheran Church (1891-1901); S Lazelle St (1901-1955); Commercial development (1901-2022); Zion Lutheran Church, <b>J.G Brehl Welding and Machine Shop</b> , a cobbler, an office, two parking lots, multiple residences, multiple stores (1921); Various commercial structures (structure types not determined) (1938, 1953); Zion Lutheran Church, <b>J.G Brehl Welding and Machine Shop</b> , three apartment complexes, <b>a tin shop</b> , residences, and stores (1951); The site is cleared and S Lazelle St is no longer present (1963-1964); The present-day structure and a parking lot (1971-2022).
North	E Mound Street (1887-2022) followed by Mound Street School and three residences (1887-1955); Cleared land (1963-1964); A parking lot (1971-1995); An apartment complex (2004-2022).



Direction	Description
East	Residences (1887); Vacant land and a store (1891); Bakehouse with oven, undeveloped land, residences, and a store (1901, 1921); Commercial development (1938-1953); Vacant land (1963-1964); Present-day parking lot and commercial structure (1971-2022).
South	E Engler/Court Street (1887-2022) followed by residences and vacant land (1887-1901); Residences and two stores (one of which is a plumbing store) (1921); Commercial development (1938-2022); A <b>tin shop, auto repair shop</b> , and roofing warehouse (1951); Cleared land (1963-1964); The present-day church and fire station (1971-2022).
West	S 3 <sup>rd</sup> Street (1887-2022); followed by residences and stores (including a black smith) (1887-1921); Commercial development (1887-2022); Stores and auto parking (1953); The majority of the structures have been cleared (1963-1964); The present-day parking lot and structure (1971-2022).

A machine and welding shop was reported on-site between 1921 and 1951. This facility is discussed further in Section 3.2.

A tin shop was reported present at the site in 1951. Additional information regarding the tin shop was not available for review; however, based on the reported short duration of operation at the site, the tin shop does not constitute a REC to the site.

A tin shop and auto repair shop was reported present to the south of the site in 1951. Additional information regarding the tin shop was not available for review; however, based on the reported short duration of operation to the south of the site, the tin shop does not constitute a REC to the site.

### 3.2 Historical City Directories

The Polks, Ohio Bell Telephone, Haines, and Digital Business Directory city directories used in this study were made available through ERIS (selected years reviewed: 1925-2022) and were reviewed at approximate five-year intervals, if readily available. The current street address for the site was identified as 360 South Third Street, Columbus, Ohio.



### Historical City Directories

Direction	Description
Site	<p><u>296-300 S Third Street</u>: No listings (1923-2022).</p> <p><u>310 S Third Street</u>: No listings (1923); <b>Hop Lee Laundry</b> (1927); <b>Hong Harry Laundry</b> (1932); <b>Hip Henry Laundry</b> (1937); No listings (1942-2022).</p> <p><u>360 S Third Street</u>: No listings (1923-1965); Buckeye Abstract &amp; Title Co abstractors, Title Insurance Co. of Minnesota, Connor &amp; Connor Dept (1971-1981); Wallick Construction Co, Chesapeake &amp; Ohio Ry Co, Columbia Properties Co bldg contr, Ohio Bell Telephone Co Marketing, Taylor H Alan &amp; Associate archt (1971); Chessie System, Kissell Co The (1976-1981); Collins Clyde Lawyer, d Fl U S Navy Recruiting Ofc, Lewis &amp; Friedman lawyers,, Shelton James D lawyer, Vacant, Veterans Admin Contact Div, Veterans Admin Mental Hygiene Clinic (1976); American Civil Liberty Union, Volunteer Action Center social serv agency, Baird Wm C lawyer, Basom Wedemeyer &amp; Brennan lawyers, Comm Addl Space, Commission social serv agency, Disciplinary Counsel, League Against Child Abuse social serv agency, Lewis Harry Lawyer (1981); Metropolitan Human Services (1981-1992); American Assn Of University Professors (1985, 1994); Accounts Manager, Brennan Richard L atty, Brennan Richard t Atty, Kis S E Llothe, Merchandise Traffic Department, Ohio Coalition Against The Death Penalty, Ohio State Firemans Assoc, Sales Manager, Stern Leonard J, Tracing, Alden Erick R Atty, Basom &amp;Hirsch attys, Basom Lewis E atty, Campbell Bruce A Atty, Child Abuse, Customers Only No Charge Ask Operator For, Hirsch Bruce L Atty, Information &amp; Referral Service, Inquiries About Local Problems, Levy Ofc, Local Chapter, Metropolitan Learning Community 65 Jefferson, Metropolitan Life Insurance Company Sales Offices, Ohio Assn Of Child Caring Agencies, Ohio Mock Trial Program, State Headquarters, WOLMAN Ofc (1985); Alger Elinor atty, ACLU Of Ohio Foundation, ACLU Of Ohio Library, Alcoholism Columbus Area Council Of, American Civil Liberties Union (1985-1992); Columbus Area Council On Alcoholism (1985-1994); Arc Ohio, ARC Ohio, Association for Retarded Citizens in Ohio, Association for the Developmentally Disabled Central Office, Family First, Information &amp; Referral Service (1992); United Way (1985, 1994-2002, 2017); Ohio Association of Non-Profit (2004); Jones Lang Lasalle (2017); Innovation Ohio (2022); United way Central Ohio (2022).</p> <p><u>368 S Third Street</u>: No listings (1923-2022).</p> <p><u>374 S Third Street</u>: Single-family residences (1923-1942, 1956-1960); Thurman Ethia Mrs Furniture Rooms (1952); No listings (1962-2022).</p> <p><u>376 S Third Street</u>: <b>J C Brehl Welder Welding and Machine Shop</b> (1923-1956); No listings (1960-2022).</p> <p><u>380 S Third Street</u>: Single-family residences (1923-1947, 1960); Moore Etta furniture Rooms (1947); Himes Clarence Furniture Rooms (1952); Carrol Helen E lawyer (1956); No listings (1962-2022).</p>

Site	<p><u>384 S Third Street</u>: W H Teuteberg (1923); D M Temple (1927); Judy Arth Roofer/Judy Roofing &amp; Furnace Co (1932-1956); Jones Earl L (1932); Anderson Thurman C (1937); No listings (1960-2022).</p> <p><u>386 S Third Street</u>: Single-family residences (1923, 1937-1956); Judy Roofing &amp; Furnace Co (1947-1956); Country &amp; Town Improvement Co (1960); No listings (1962-2022).</p> <p><u>100-112 E Engler Street</u>: No listings (1923-2022).</p> <p><u>124 E Engler Street</u>: No listings (1923-2022).</p> <p><u>130-132 E Engler Street</u>: No listings (1923-2022).</p> <p><u>134 E Engler Street</u>: Single-family residences (1923-1932); No listings (1937-2022).</p> <p><u>101 E Mound Street</u>: No listings (1923-2022).</p> <p><u>105 E Mound Street</u>: No listings (1923-2022).</p> <p><u>109 E Mound Street</u>: No listings (1923-1976); Sebastian &amp; Marsh lawyers (1981); No listings (1985-2022).</p> <p><u>115 E Mound Street</u>: No listings (1923-2022).</p> <p><u>117 E Mound Street</u>: Single-family residence (1927-1932); No listings (1937-2022).</p> <p><u>123 E Mound Street</u>: Single-family residence (1927-1932); No listings (1937-2022).</p> <p><u>129 E Mound Street</u>: Apartments (1927-1932); T A Schmitt grocery store (1927); Mound Street Market (1932); No listings (1937-2022).</p> <p><u>131 E Mound Street</u>: Bryant Furniture Co (1927); Speisman Julius 2D HD goods (1932); No listings (1937-2022).</p> <p><u>133 E Mound Street</u>: No listings (1923-2022).</p> <p><u>130 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>134 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>288-300 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>297-299 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>369 S Lazelle Road</u>: No listings (1923-1927); E&amp;P mscv Edith (1932); No listings (1937-2022).</p> <p><u>373 S Lazelle Road</u>: No listings (1923-1927); Single-family residence (1932); No listings (1937-2022).</p> <p><u>379 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>370-376 S Lazelle Road</u>: No listings (1923-2022).</p> <p><u>386 S Lazelle Road</u>: No listings (1923-1927); Single-family residence (1932); No listings (1937-2022).</p>
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North	<p><u>326-340 S Third Street</u>: No listings (1923-2022).  <u>96 E Mound Street</u>: No listings (1923-2022).  <u>100 E Mound Street</u>: No listings (1923-2022).  <u>108 E Mound Street</u>: No listings (1923-2017).  <u>110 E Mound Street</u>: No listings (1923-1941, 1960-2008, 2016-2022) Mound Junior High Sch (1945-1955); Raymond Morella (2011).  <u>112 E Mound Street</u>: No listings (1923-2011); Brent Bennett (2016-2022).  <u>120 E Mound Street</u>: No listings (1923-2008, 2016-2022); Christie Wearly (2011).  <u>130 E Mound Street</u>: Single-family residences (1925-1929); Vacant (1932); Moore David Rooms (1937); No listings (1941-2022).  <u>132 E Mound Street</u>: No listings (1923-2022).  <u>134 E Mound Street</u>: Single-family residences (1925-1937); No listings (1941-2022).  <u>139 E Mound Street</u>: Vacant (1925-1929); Hennick Chas J Leather Gds (1951); Hennick C (1955-1960), No listings (1965-2022).  <u>143 E Mound Street</u>: Moses Terry (1925-1951); No listings (1955-2022).  <u>150 E Mound Street</u>: No listings (1925-1971); Various office buildings (including attorney firms, real estate firms, insurance agencies, mortgage firms, brokerage firms, consulting firms, travel agencies) <i>Not deemed to be a potential concern</i> (1976-2022).</p>
East	<p><u>365 S 4<sup>th</sup> Street</u>: No listings (1923-1942); Quality Coffee Shop (1951-1955); C M E Federal Credit Union (1971-2008); Atm (2016); No listings (2020-2022).  <u>109-131 E Mound Street</u>: No listings (1923-1976); Sebastian &amp; Marsh lawyers (1981); No listings (1985-2022).  <u>135 E Mound Street</u>: Wm Call (1925-1955); No listings (1960-2022).  <u>112 E Engler Street</u>: No listings (1923-2022).  <u>114 E Engler Street</u>: Single-family residences (1925-1951); No listings (1955-2022).</p>
South	<p><u>101 E Engler Street</u>: No listings (1923-2022).  <u>412 S Third Street</u>: No listings (1923-2022).  <u>101 E Engler Street</u>: No listings (1923-2022).  <u>113 E Engler Street</u>: Reliable Plumbing Co (1925-1929); Goodwin Oyster Co (1932-1937); Judy Roofing &amp; Furnace Co (Whse) (1941-1951); No listings (1955-2022).</p>
South	<p><u>113 E Engler Street</u>: Reliable Plumbing Co (1925-1929); Goodwin Oyster Co (1932-1937); Judy Roofing &amp; Furnace Co (Whse) (1941-1951); No listings (1955-2022).  <u>404 S Third Street</u>: Rev G S Schultz (1925-1945); Luermann Emil H (1945); Smitley C Omar (1951-1976); Trinity Evang Lutheran Ch Parish House (1951-2022); Smitley Co (1960); Goers Harold S Rev (1965); Downtowners (1981-2022); Schmidt Jas Rev (1997-2008); Robt &amp; Rachel Ruck (2000-2003); Old Trinity (2008); Bread Organization (2008-2022); Uhcan Ohio (2008-2022).</p>

West	<p><u>295-303 S Third Street</u>: No listings (1923-2022).  <u>363 S Third Street</u>: Single-family residence (1925-1960); No listing (1965-2022).  <u>365 S Third Street</u>: Single-family residence (1925); Beard Beach Signs (1929-1932); Vacant (1937); Chinn Paul (1941); <b>Wayne Hand Lndry</b> (1941); <b>Hip Henry Indry</b> (1945); <b>Chan Jas F Indry</b> (1951); <b>Clear - The - Way Hand Laundry</b> (1955); No Listing (1965-1991); No listings (1997-2022).  <u>371 S Third Street</u>: Single- family residences (1925-1937); Hamler Elmer E Auto Parking (1945-1951); No listings (1955-2022).  <u>373 S Third Street</u>: Single- family residences (1925-1937); No listings (1941-2022).  <u>377 S Third Street</u>: Vacant (1925); Single-family residences (1929-1937); No listings (1941-2022).  <u>381 S Third Street</u>: Single- family residences (1925-1929, 1937); Vacant (1932-1941); No listings (1941-2022).  <u>383 S Third Street</u>: Cornell Edwin Blksmith (1925-1932); Ray Jas G Blksmith (1937-1951); Skilken Joseph &amp; Co (1955-1976, 1986-1997, 2000-2011, 2016-2022); Schafer Richard Cpa (1976); Indian Ok Apts Rntl (1976-1981, 2008-2011); Park Royl Apts Rntl (1976-1981); Disposable Income Inc (2000); Single-family residences (2011-2022).</p>
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310 E 3<sup>rd</sup> Street was depicted associated with the site in the 1887 Sanborn map as a store and residence. However, it appears that the address mapping for this area was formerly changed and by at least 1891 through the present-day, 310 E 3<sup>rd</sup> Street has been plotted approximately 380 feet north of the site. As such, it is believed that the three dry cleaning/laundry facilities associated with this address between 1927 and 1937 were in fact off-site (located north of the site). As such, the three dry cleaning facilities do not constitute a REC to the site.

A welding and machine shop was present at the site between 1921 and 1956. Information regarding the nature of operations was not available for the site. An LSI was performed at the site to evaluate impacts to the site from former on-site operations and the findings are discussed further in Section 3.7.

Dry cleaning facilities were present on the west adjoining property between 1941 and 1955. Information regarding the nature of the former drycleaning operations to the west of the site was not available for review. Terracon performed an LSI at the site in 2022 to evaluate impacts to the site and based on the findings of the LSI additional investigation was not recommended. The findings of the LSI are discussed further in Section 3.7.

### 3.3 Site Ownership

Based on information obtained from the Franklin County Auditor’s website, the site is owned by Columbus Metropolitan Housing Authority.

### 3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

### 3.5 Environmental Liens and Activity and Use Limitations

The ERIS regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

### 3.6 Interviews Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

#### Interview

Interviewer	Name / Contact Method	Title	Date/Time
Mr. Scott Shipkowski	Mr. Oliver Evans / In-person Interview	Site Contact	October 23, 2024 / 9:30 AM

Terracon interviewed Mr. Oliver Evans, the site contact, regarding environmental and historical information for the site. Mr. Evans indicated that he has been familiar with the site for at least two years. He indicated that since his association with the site, it has consisted of vacant offices, conference rooms, and storage areas. Mr. Evans stated that he is not aware of any releases associated with the on-site elevator and associated hydraulic equipment. He also mentioned that he was not aware of any hazardous or petroleum substance use, storage, or disposal at the site. In addition, Mr. Evans stated that he was not aware of any underground storage tanks (USTs), aboveground storage tanks (ASTs), transformers, air compressors, emergency generators, or oil water separators at the site. Mr. Evans stated that the parking lot was currently being leased to a to a third-party company, Laz Parking, to operate their paid public parking lot business.

Mr. Evans was not aware of pending, threatened, or past environmental liens or violations in connection with the site and was not aware of potential environmental concerns in connection with the site.

### 3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were provided by the client to Terracon for review.

- Phase I Environmental Site Assessment - Aspire Project  
360 South Third Street, Columbus, Ohio  
Dated: November 7, 2022  
Prepared by: Terracon  
For: Moody Nolan Inc
- Limited Site Investigation - Aspire Project  
360 South Third Street, Columbus, Ohio  
Dated: December 6, 2022  
Prepared by: Terracon  
For: Moody Nolan Inc. for the Columbus Metropolitan Housing Authority
- Phase I Environmental Site Assessment – Aspire Project  
360 South Third Street, Columbus, Ohio  
Dated: July 13, 2023  
Prepared by: Terracon  
For: Moody Nolan Inc
- Phase I Environmental Site Assessment – Project Aspire Phase I ESA Update  
360 South Third Street, Columbus, Ohio  
Dated: February 16, 2024  
Prepared by: Terracon  
For: Moody Nolan Inc

Based on a review of the Phase I ESA report, dated November 2022, the site consisted of a three-story office building in a mixed-residential and commercial neighborhood. The site was identified as parcel number 010-006471-00. The following RECs were identified in the previous Phase I ESA report, dated November 2022:

- The former on-site welding and machining shop which operated for at least 35 years and the potential for contamination from the chemical constituents associated with these types of operations such as metals, cutting oils, cleaning solvents.
- Fill material of unknown origin identified at the site during geotechnical investigation field work conducted at the site in October 2022.

To evaluate the RECs identified in the 2022 Phase I ESA, soil, soil gas, and groundwater samples were collected at the site and analyzed. Four soil borings were advanced at the site and analyzed for volatile organic compounds (VOCs), polyaromatic hydrocarbons (PAHs), and resource conservation and recovery act (RCRA) Metals. One groundwater sample was collected and analyzed for VOCs, PAHs, and RCRA Metals and two soil gas samples were collected and analyzed for VOCs. The findings of the LSI include:

- Five RCRA Metals were detected above laboratory reporting limits in site soil samples including the following: arsenic, barium, chromium, lead, and mercury. A comparison to regulatory standards shows that concentrations of arsenic in three soil samples exceed the generic direct contact soil standards (GDCSs) for residential land use. The investigation showed that near surface soils at the site contained arsenic at concentrations above the Ohio EPA VAP GDCSs for residential land use. It should be noted that the Ohio EPA has evaluated background metal soil concentrations in Franklin County, Ohio, and the upper limit for arsenic was determined to be 20.7 mg/kg. The reported arsenic values at the site are generally consistent with naturally occurring concentrations in Ohio glacial till soils and are not necessarily indicative of a release.
- One COC (barium) was detected above laboratory reporting limits in a site groundwater sample. A comparison to regulatory standards indicates that the reported concentration does not exceed the respective Ohio EPA VAP generic unrestricted potable use standards (GUPUS).
- No VOCs or PAHs were reported above laboratory reporting limits in the soil and groundwater samples collected.
- Twenty-one VOCs were detected above laboratory reporting limits in the site soil gas samples including the following: acetone, benzene, 1,3-butadiene, 2-butanone, carbon disulfide, chloromethane, cyclohexane, ethyl acetate, ethylbenzene, heptane, hexane, 4-methyl-2-pentanone, naphthalene, 2-propanol, propene, tetrachloroethene, toluene, trichloroethene, 1,2,4-trimethylbenzene, m,p-xylenes, and o-xylene. While multiple VOCs were detected in the site soil gas samples, none of the reported concentrations exceeded individual VISL screening levels. The risk evaluation using the US EPA VISL calculator indicated that the cumulative health risk for vapor intrusion would be acceptable based on Ohio EPA VAP standards for both residential and commercial land use.

The LSI report did not recommend additional investigation.

The July 2023 and February 2024 Phase I ESAs describe the site features consistent with the 2022 Phase I ESA report. RECs were not identified in the previous Phase I ESA reports, dated July 13, 2023 and February 16, 2024.

## 4.0 RECORDS REVIEW

Regulatory database information was provided by ERIS, a contract information services company in a report, dated August 26, 2024. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient, and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

### 4.1 Federal and State/Tribal Databases

Terracon reviewed standard federal, state, and tribal environmental record sources within the approximate minimum search distances as required by ASTM E1527-21 and presented in Table 2 of Section 8.0 of the Standard (Types of Government Records to be Reviewed). Further, to enhance and supplement the standard environmental record sources, Terracon reviewed additional federal, state, tribal, local, and proprietary environmental record sources, provided by the database firm, if potentially useful and reasonably ascertainable. Please refer to Appendix D (the environmental regulatory database report) for the number of listings within each database reviewed and database definitions and descriptions.

Due to conversion of address data to location coordinates and the accuracy of government records, the facility locations depicted in the environmental regulatory database report may not match actual physical locations. As such, Terracon attempted to field-verify the actual distances of facilities of concern from the site.

#### Listed Facilities

Facility Name and Location	Estimated Distance / Direction/Gradient	Database Listings	Findings Summary
Columbus Fire Station #2 150 E Fulton St	Approximately 85 feet / South / Down-gradient	LUST, UST	No REC, discussed below
Guaranteed Asset Mgt 150 East Mound St	Approximately 100 feet / Northeast / Up-gradient	SPILLS	No REC, discussed below

Facility Name and Location	Estimated Distance / Direction/Gradient	Database Listings	Findings Summary
JB Hunt Pf 4 <sup>th</sup> And Fulton	Approximately 315 feet / Southeast / Cross-gradient	SPILLS	No REC, based on topographic gradient
Columbus WWTP Noble & 4 <sup>th</sup>	Approximately 320 feet / Northeast / Up-gradient	SPILLS	No REC, discussed below
Warehouse Express / Facility Name not Determined (for one of the listings / Walmart Transportation I-70 Wb Just Past 4 <sup>th</sup> St Exit / 70 WB at 4 <sup>th</sup> St Exit / I-70 WB At 4 <sup>th</sup> St	Approximately 370 feet / Southeast/ Cross-gradient	SPILLS	No REC, based on topographic gradient
Mercantile Condos 309 South 4 <sup>th</sup> St	Approximately 370 feet / Northeast / Up-gradient	SPILLS	No REC, discussed below
Franklin County Street Parking Garage/Franklin County Public Facilities Maintenance 34 E Fulton St	Approximately 410 feet / West / Down-gradient	LUST, UST, RCRA NON GEN	No REC, based on distance and topographic gradient
Mister P Express I-70 WB Near 3 <sup>rd</sup> St Bridge	Approximately 430 feet / South / Down-gradient	SPILLS	No REC, based on distance and topographic gradient
Former Pfeifer Printing 190 E Fulton St	Approximately 450 feet / Southeast / Down-gradient	LUST, UST	No REC, based on distance and topographic gradient
Bock Transportation I-70 EB Under 3 <sup>rd</sup> St	Approximately 470 feet / South / Down-gradient	SPILLS	No REC, based on distance and topographic gradient

City of Columbus/Columbus Fire Station

The City of Columbus/Columbus Fire Station was located approximately 85 feet south and in a topographic down-gradient position relative to the site. Based on a review of available information from the Bureau of Underground Storage Tank Regulations (BUSTR) and the

ERIS regulatory report, this facility operated two USTs (one 550-gallon diesel UST and one 550-gallon gasoline UST), which were installed in January of 1980 and removed from the ground in February of 1996. During UST removal activities, one soil sample was collected below each UST and two samples were collected from the excavated soil stockpile. The soil samples were submitted to a laboratory for analysis of benzene, toluene, ethylbenzene, and xylenes (collectively known as BTEX), total petroleum hydrocarbon (TPH), and polyaromatic hydrocarbons (PAHs) constituents. Analytical results of the soil samples indicated that the native and backfill soils were below the State of Ohio site-specific and actionable levels for the COCs. A No Further Action (NFA) letter, dated June 21, 1996, was issued for the facility. Based on the issued NFA letter and the topographic down-gradient position, the City of Columbus/Columbus Fire Station facility does not constitute a REC.

#### Guaranteed Asset Mgt

This facility was located approximately 100 feet northeast and in a topographic up-gradient position relative to the site and was listed in the SPILLS database. The SPILLS listing is associated with a release of an unknown amount of asbestos that was reportedly released into the air on October 11, 2013. Based on information obtained from the OEPA-Emergency Response Department (ERD), a citizen called in a complaint about demolition being done on a commercial building with an unknown amount of dust being released into the air. The caller indicated that other individuals near this location were having trouble breathing. It is reported that the caller was asked to contact the City of Columbus Health Department, as well as, the City of Columbus Permit Section. Based on the nature of this spill, this listing does not represent a REC to the site.

#### Columbus WWTP

This facility was located approximately 320 feet northeast and in a topographic up-gradient position relative to the site and was listed in the SPILLS database associated with a release of sewage in January of 2014. Terracon requested information from the OEPA-ERD; however, at the issuance of the report, details regarding this release was not provided. Nevertheless, based on information presented in the ERIS regulatory database report, an unknown amount of sewage was spilled into the storm water system. Based on the nature of the contaminate spilled, this listing does not represent a REC to the site.

#### Mercantile Condos

This facility was located approximately 370 feet northeast and in a topographic up-gradient position relative to the site and was listed in the SPILLS database associated with a release of dust in March of 2015. Based on information obtained from the OEPA-ERD, an unknown amount of dust was reportedly released into the air during construction activities. The release was reported by a citizen who was concerned about asbestos issues. Based on the nature of this release, this listing does not represent a REC to the site.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed nineteen facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

## 4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
City of Columbus Fire Department / E: environmentalreportrequest@columbus.gov	Based on the response from the City of Columbus Fire Department, no records were available for the site.
City of Columbus Public Health Department / E:knewman@columbus.gov	Based on the response from the City of Columbus Public Health Department, no records were available for the site.
Ohio Environmental Protection Agency (OEPA) / E: Lisa.oltman@epa.ohio.gov	Based on the response from the OEPA, no records were available for the site.
State Fire Marshal Bureau of UST Regulations (BUSTR)/ Online Inquiry <a href="http://apps.com.ohio.gov/fire/OTTER/">http://apps.com.ohio.gov/fire/OTTER/</a>	BUSTR files for applicable facilities are discussed further in Section 4.1.
OEPA -ERD / E: Richard.bouder@epa.ohio.gov	The spills records, for applicable facilities, are discussed further in Section 4.1.

## 5.0 SITE RECONNAISSANCE

### 5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

### General Site Information

Site Reconnaissance				
Field Personnel	Mr. Scott Shipkowski			
Reconnaissance Date	August 23, 2024			
Weather Conditions	Partly cloudy, 40°F			
Site Contact/Title	Mr. Oliver Evans / Owners Representative			
Building Description				
Building Identification	Building Use	Approx. Construction Date	Number of Stories	Approx. Size (ft <sup>2</sup> )
Main Building	100% Office (Vacant)	1969	3	11,534
Site Utilities				
Drinking Water	City of Columbus			
Wastewater				
Electric	American Electric Power (AEP)			

### 5.2 Overview of Current Site Occupants

The on-site building is vacant.

### 5.3 Overview of Current Site Operations

The site consists of a three-story vacant office building and an asphalt-paved parking lot. The parking lot is currently being leased to a third-party company, Laz Parking, to operate their paid public parking lot business.

### 5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

#### Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	X
	Air compressors	

Category	Item or Feature	Observed or Identified
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	X
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas, or mineral production	
	Other processes or equipment	X
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels, and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins, and/or dry wells	X
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	
Electrical Transformers/PCBs	Interior floor drains	X
	Transformers and/or capacitors	
Releases or Potential Releases	Other equipment	
	Stressed vegetation	
	Stained soil	

Category	Item or Feature	Observed or Identified
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris, and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free-floating product	
	Strong, pungent, or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

## Site Operations, Processes, and Equipment

### Elevators

One elevator and its associated hydraulic equipment were observed inside the on-site building. The hydraulic equipment was observed in the basement and evidence of releases was not observed in its vicinity. Mr. Evans, the site contact, stated that the elevator and associated hydraulic equipment are inspected by a third-party company and that he was not aware of any releases associated with this equipment.

### Heating and/or cooling systems

The on-site building is heated and cooled via HVAC units.

### Other processes or equipment

According to Mr. Evans, the site’s parking area is currently being leased to a third-party parking company to provide paid parking services to the public. Observed signage indicated that the parking business is operated as Laz Parking.

## Underground Chemical or Waste Storage, Drainage or Collection Systems

### Sumps, cisterns, catch basins and/or dry wells

One sump was observed in the basement. According to Mr. Evans, the sump is used to prevent flooding in the basement. In addition, a catch basin was observed in the parking lot at the site. The sump reportedly discharges to the municipal sewer system and the

catch basin is believed to discharge to the city storm sewer system. Evidence of staining or releases was not observed near the sump or catch basin.

#### Interior floor drains

One interior floor drain was observed in the basement. Evidence of staining and/or releases to the floor drain was not observed during the site reconnaissance. The floor drain reportedly discharges to the city sewer.

### **Releases or Potential Releases**

#### Trash, debris and/or other waste materials

One solid waste dumpster was staged on the southern portion of the site. The dumpster is used for garbage disposal. The on-site dumpster is serviced by Republic Services. Evidence of staining, noxious odors or hazardous waste disposal was not observed.

## **6.0 ADJOINING PROPERTY RECONNAISSANCE**

Visual observations of adjoining properties (from site boundaries) are summarized below.

### **Adjoining Properties**

<b>Direction</b>	<b>Description</b>
North	East Mound Street followed by The Renaissance Condos (110-120 E Mound Street and 326-340 S 3 <sup>rd</sup> Street).
East	The CME Federal Credit Union (365 S 4 <sup>th</sup> Street).
South	East Engler Street followed by Trinity Lutheran Church (404 S 3 <sup>rd</sup> Street), South Lazelle Street, and an asphalt-paved parking lot associated with the Columbus Fire Station (150 E Fulton St).
West	South Third Street followed by Joseph Skilken Realty (383 S 3 <sup>rd</sup> Street) and an asphalt-paved parking lot (381 S 3 <sup>rd</sup> Street).

Evidence of RECs were not identified with the adjoining properties.

## **7.0 ADDITIONAL SERVICES**

Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

## 8.0 DECLARATION

I, Wenisha Brooks, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

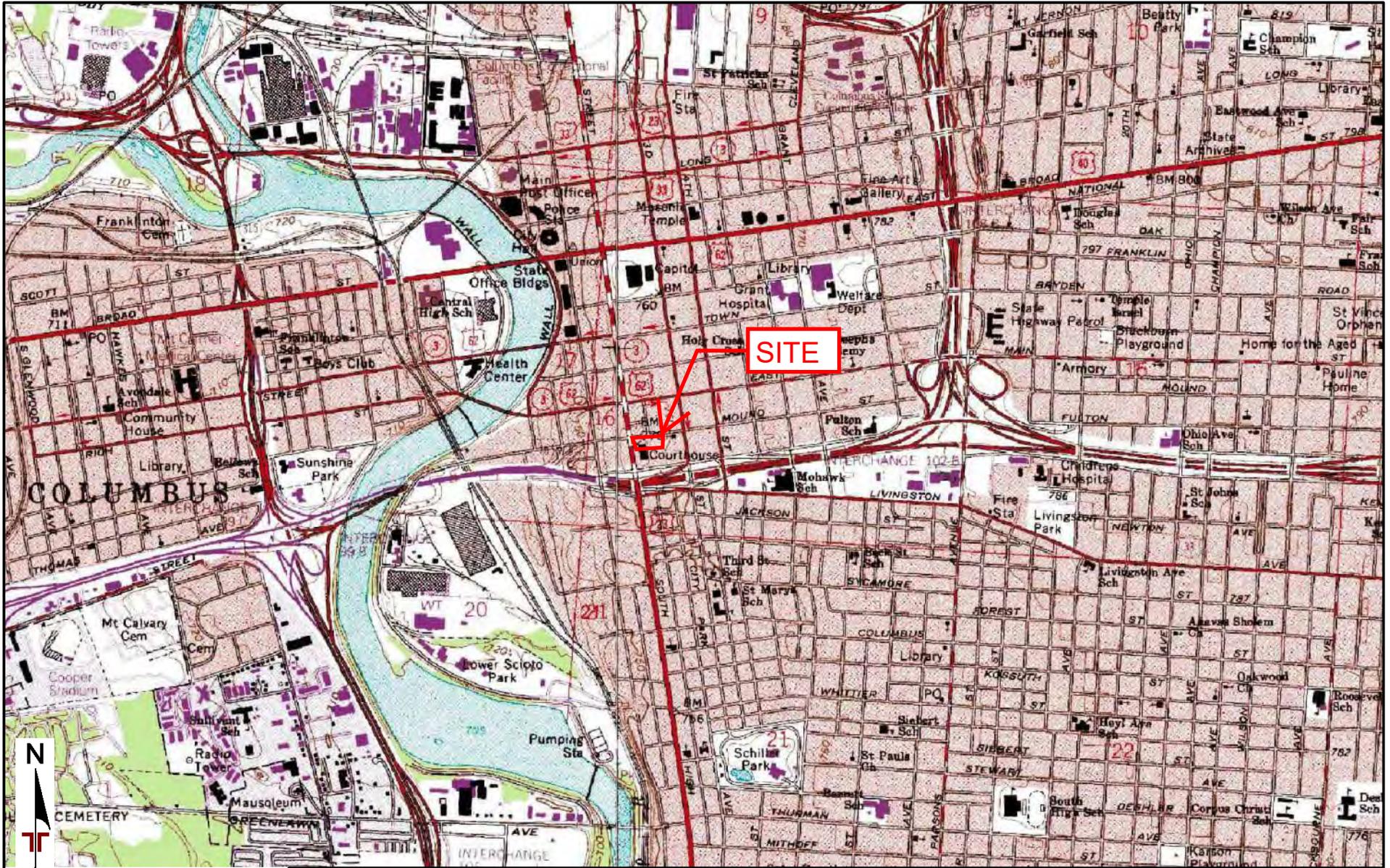
*Wenisha Brooks*

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Wenisha Brooks

Group Manager

APPENDIX A  
EXHIBIT 1 – TOPOGRAPHIC MAP  
EXHIBIT 2 – SITE DIAGRAM



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY  
 QUADRANGLES INCLUDE: SOUTHWEST COLUMBUS, OH (1/1/1995) and SOUTHEAST COLUMBUS, OH (1/1/1994).

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

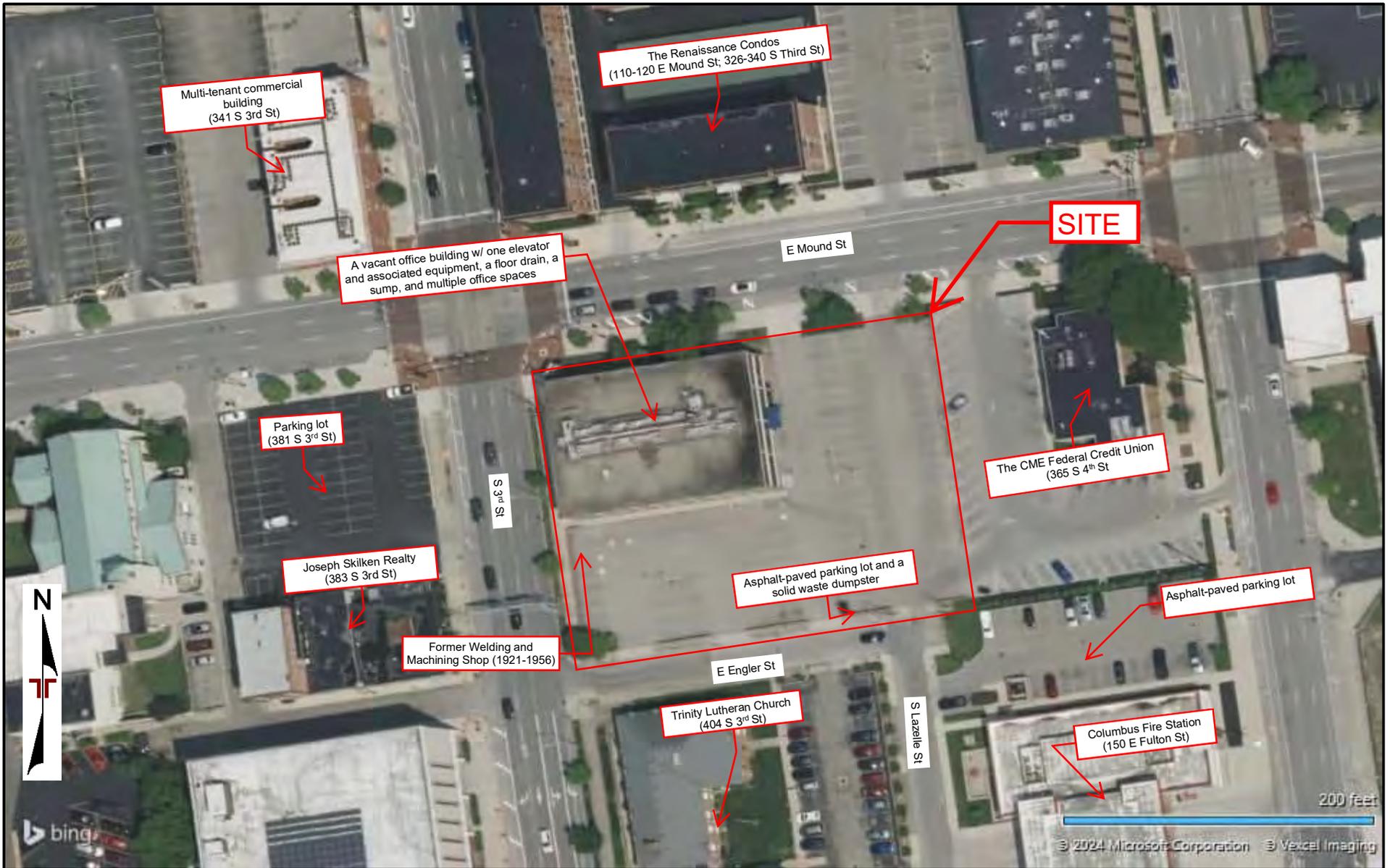
Project Manager:	WB	Project No.	N4247251
Drawn by:	SS	Scale:	1"=2,000'
Checked by:	WB	File Name:	ESA
Approved by:	WB	Date:	SEPT 2024



800 Morrison Rd  
 Gahanna, OH 43230-6643

TOPOGRAPHIC MAP
Project Aspire Update 360 South Third Street Columbus, OH

Exhibit
1



bing

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AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: WB  
 Drawn by: SS  
 Checked by: WB  
 Approved by: WB

Project No. N4247251  
 Scale: AS SHOWN  
 File Name: ESA  
 Date: SEPT 2024



800 Morrison Rd  
 Gahanna, OH 43230-6643

**SITE DIAGRAM**

Project Aspire Update  
 360 South Third Street  
 Columbus, OH

Exhibit  
 2

APPENDIX B  
SITE PHOTOGRAPHS



**Photo #1** View of the site from the north site boundary, facing south.



**Photo #2** View of the site from the east site boundary, facing west.



**Photo #3** View of the site from the south site boundary, facing north.



**Photo #4** View of the site from the west site boundary, facing east.



**Photo #5** View of the former on-site HVAC equipment area.



**Photo #6** General view of a conference room.



**Photo #7** General view of an office space.



**Photo #8** View of the hydraulic elevator equipment located in the basement.



**Photo #9** Additional view of the elevator equipment.



**Photo #10** View of the sump located in the basement.



**Photo #11** View of the solid waste dumpster on the southern portion of the site.



**Photo #12** View of the floor drain located in the elevator room.



**Photo #13** View of the north adjoining property, facing north.



**Photo #14** View of the east adjoining property, facing east.



**Photo #15** View of the south adjoining property, facing south.



**Photo #16** View of the west adjoining property, facing west.

APPENDIX C  
HISTORICAL DOCUMENTATION AND USER  
QUESTIONNAIRE

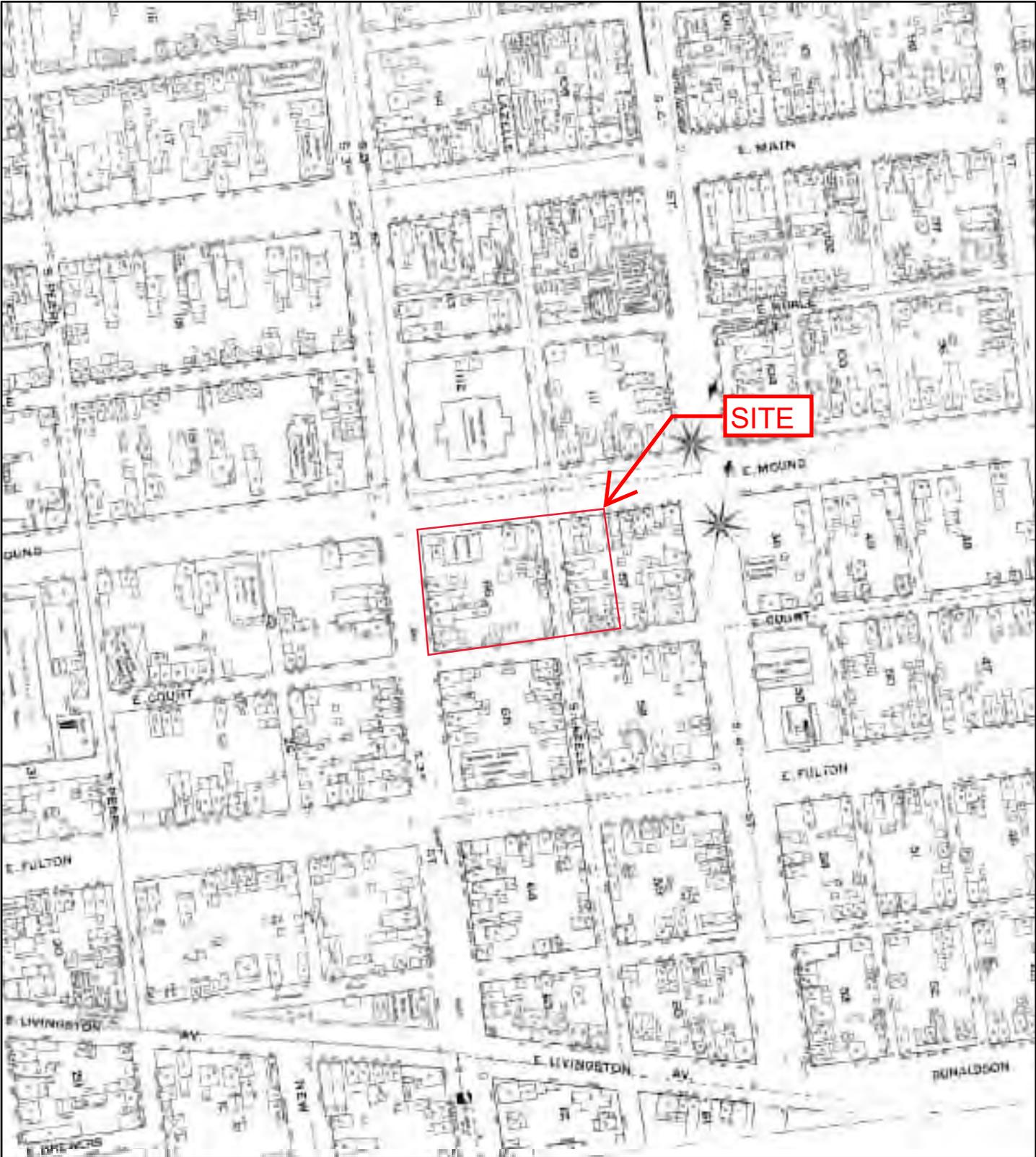
# ASTM E1527-21 User Questionnaire



Date Completed	8-20-2024	
Person Completing Questionnaire	Name: Company: CMHA	Phone: 614-813-4911 Email: MWAGNET@CMHANEET.COM
Site Name	ASPIRE	
Site Address	360 S. THIRD ST	
Point of Contact for Access	Name: OLIVER EVANS Company:	Phone: 614-813-5810 Email:
Access Restrictions or Special Site Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Confidentiality Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Current Site Owner	Name: Company: CMHA	Phone: Email:
Current Site Operator	Name: Company: CMHA	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	DEVELOPMENT	
Anticipated Future Site Use	RESIDENTIAL	
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
<b>ASTM User Questionnaire</b>		
To qualify for one of the <i>Landowner Liability Protections (LLPs)</i> offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the " <i>Brownfields Amendments</i> "), the user must respond to the following inquiries required by 40 C.F.R. §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the <i>environmental professional</i> . Failure to conduct these inquiries could result in a determination that " <i>all appropriate inquiries</i> " is not complete.		
1) Did a search of land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.25)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)		
2) Did a search of land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded against the site under federal, tribal, state, or local law (40 CFR 312.26)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)		
3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not applicable (If yes or Not applicable, explain below)		
5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? For example, (a.) Do you know the past uses of the site? (b.) Do you know of specific chemicals that are present or once were present at the site? (c.) Do you know of spills or other chemical releases that have taken place at the site? (d.) Do you know of any environmental cleanups that have taken place at the site? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of releases at the site (40 CFR 312.31)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)		
Comments or explanations:		

Please return this form with the signed authorization to proceed.

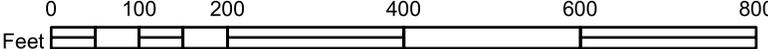
# Fire Insurance Map



**SITE**

**1887**

Address: 360 South Third Street Columbus OH 43215



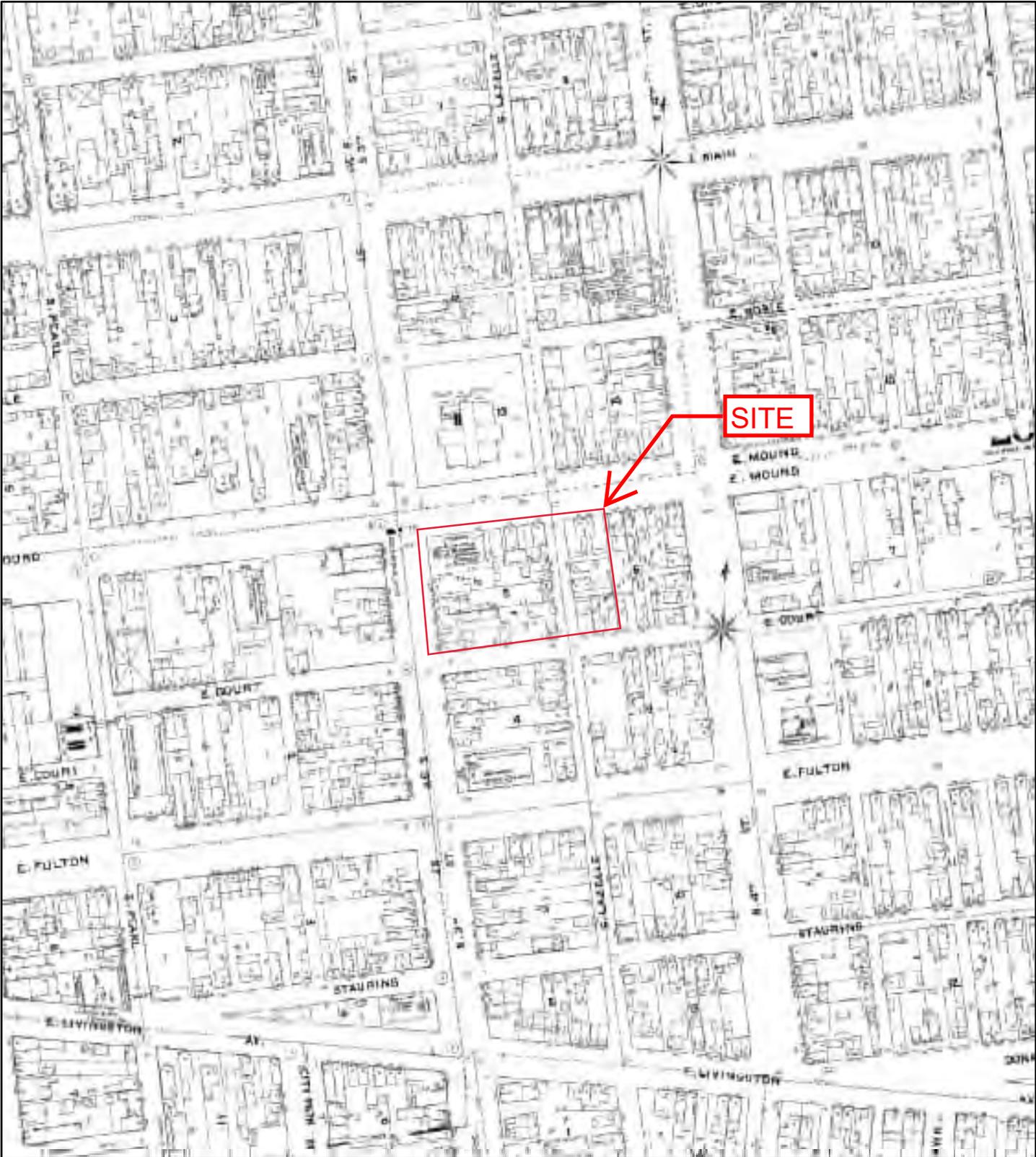
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Volume NA: 3,4,6,7;

Order Number 24012300757



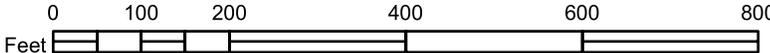
# Fire Insurance Map



**SITE**

**1891**

Address: 360 South Third Street Columbus OH 43215



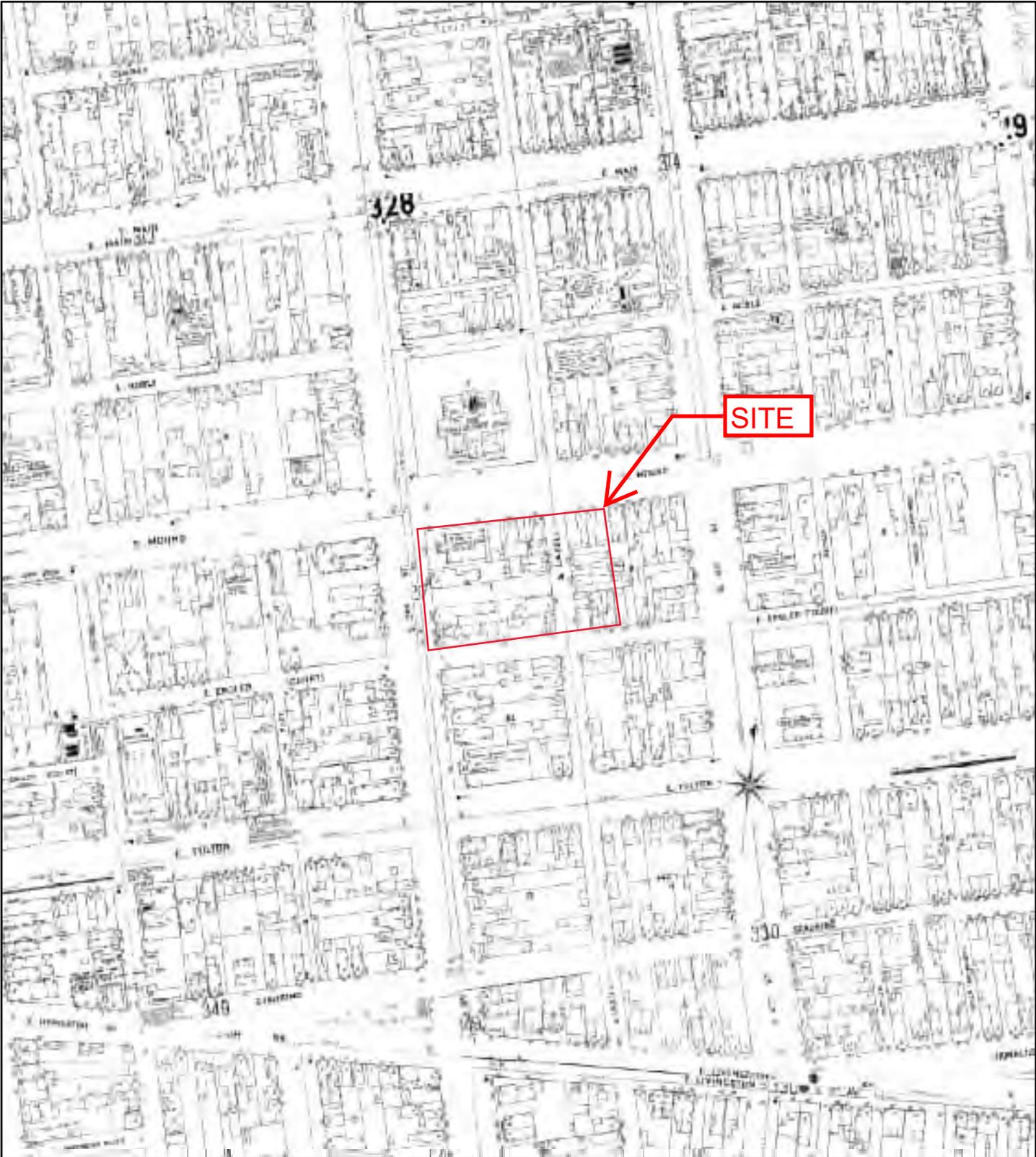
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12_1	20	
13		

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Volume NA: 11,12,20,23;

Order Number 24012300757



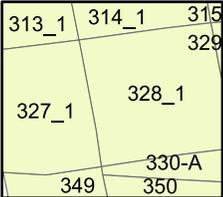
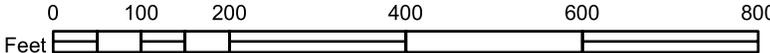
# Fire Insurance Map



**SITE**

**1901**

Address: 360 South Third Street Columbus OH 43215

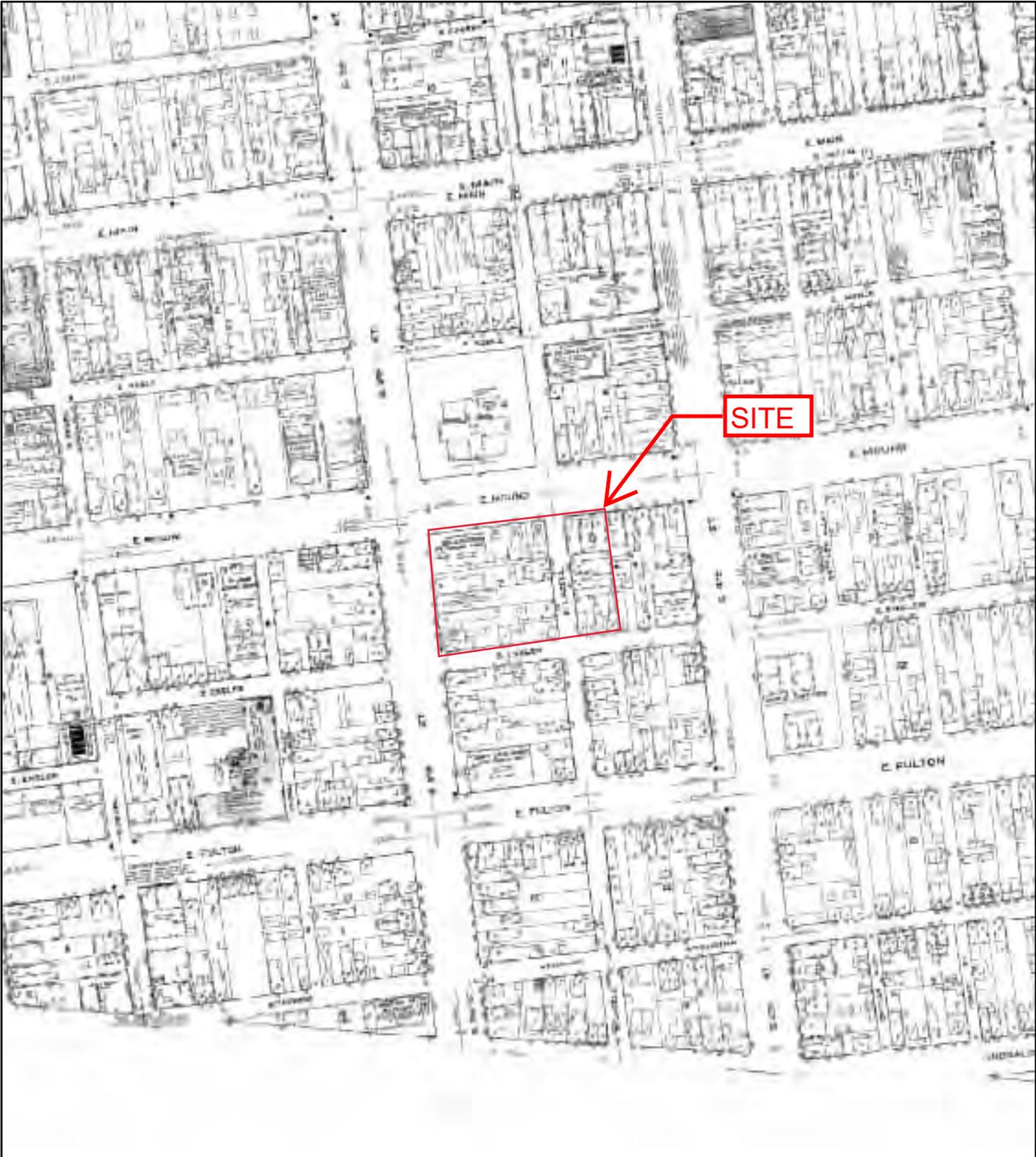


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Order Number 24012300757



# Fire Insurance Map

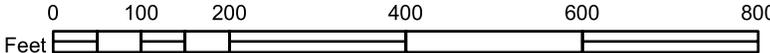


SITE



**1921**

Address: 360 South Third Street Columbus OH 43215



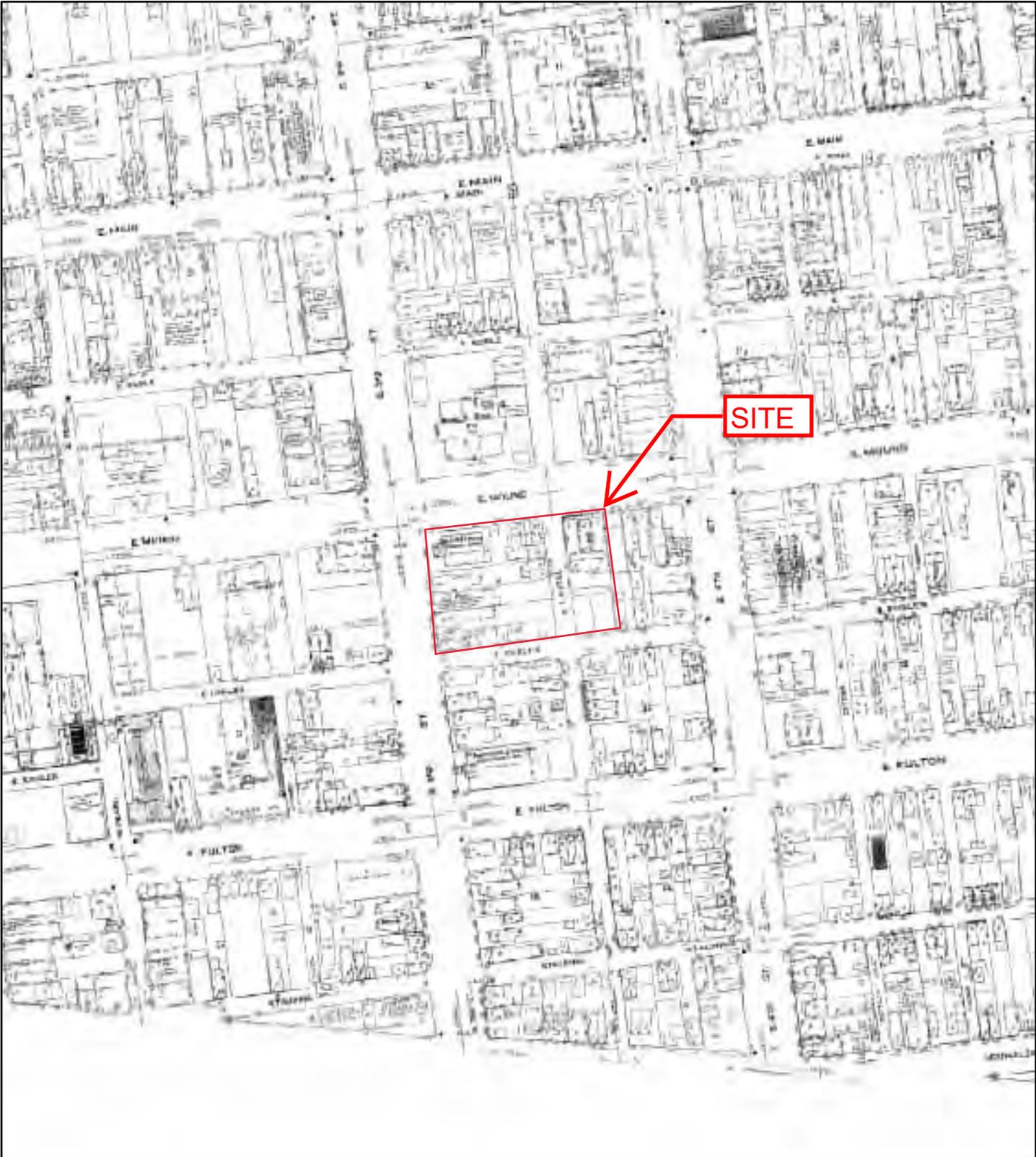
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			08
14		06	07
05			01-A

Map sheet(s):  
Volume 1: 1,13,14,18,19,5,6,7;

Order Number 24012300757

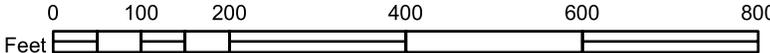


# Fire Insurance Map



**1951**

Address: 360 South Third Street Columbus OH 43215



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14		06	07
05			01-A

Map sheet(s):  
Volume 1: 1,13,14,18,19,5,6,7;

Order Number 24012300757



# Fire Insurance Map



**SITE**

**1971**

Address: 360 South Third Street Columbus OH 43215

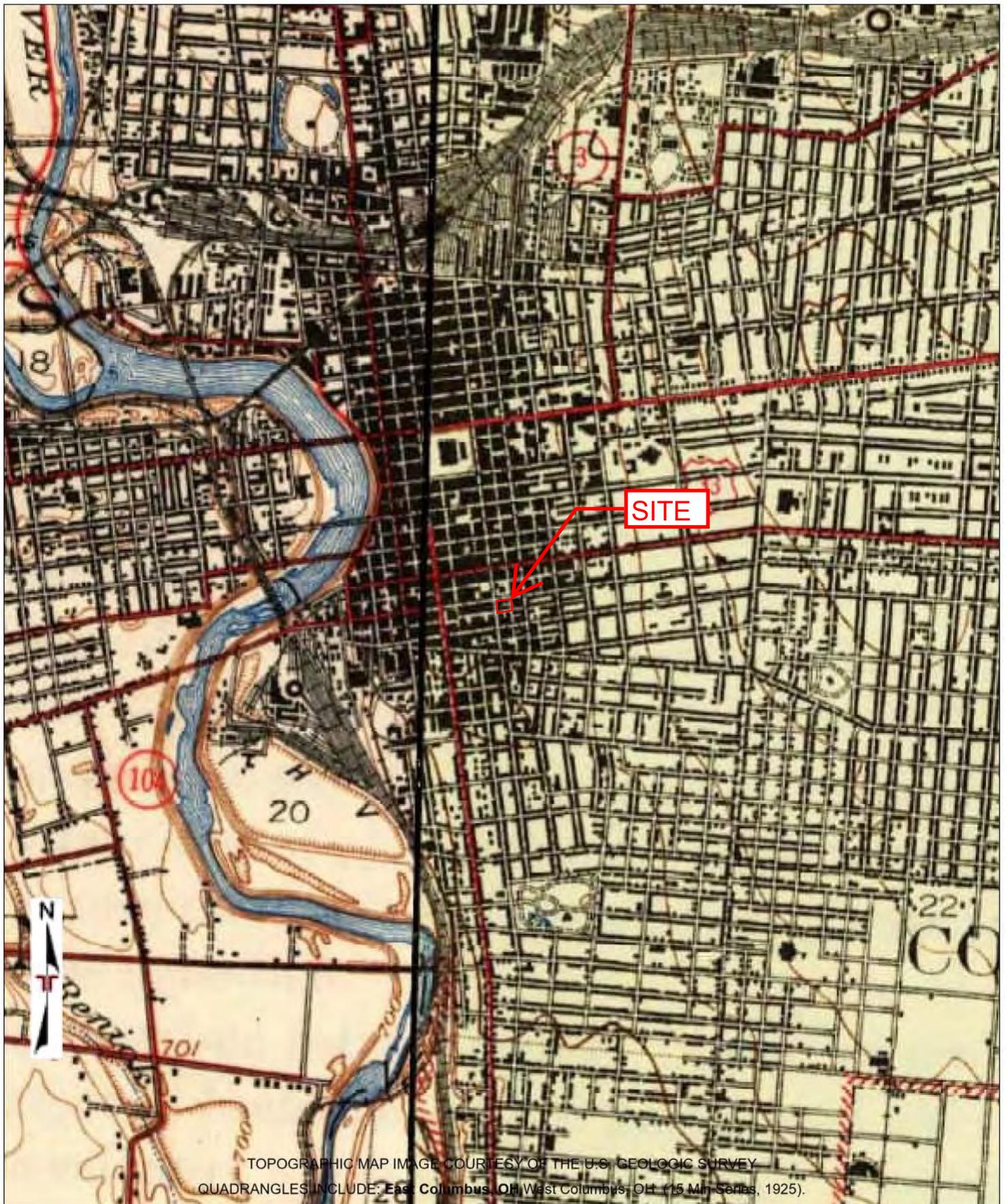


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Map sheet(s):  
Volume 1: 1,13,14,18,19,5,6,7;

Order Number 24012300757





Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23

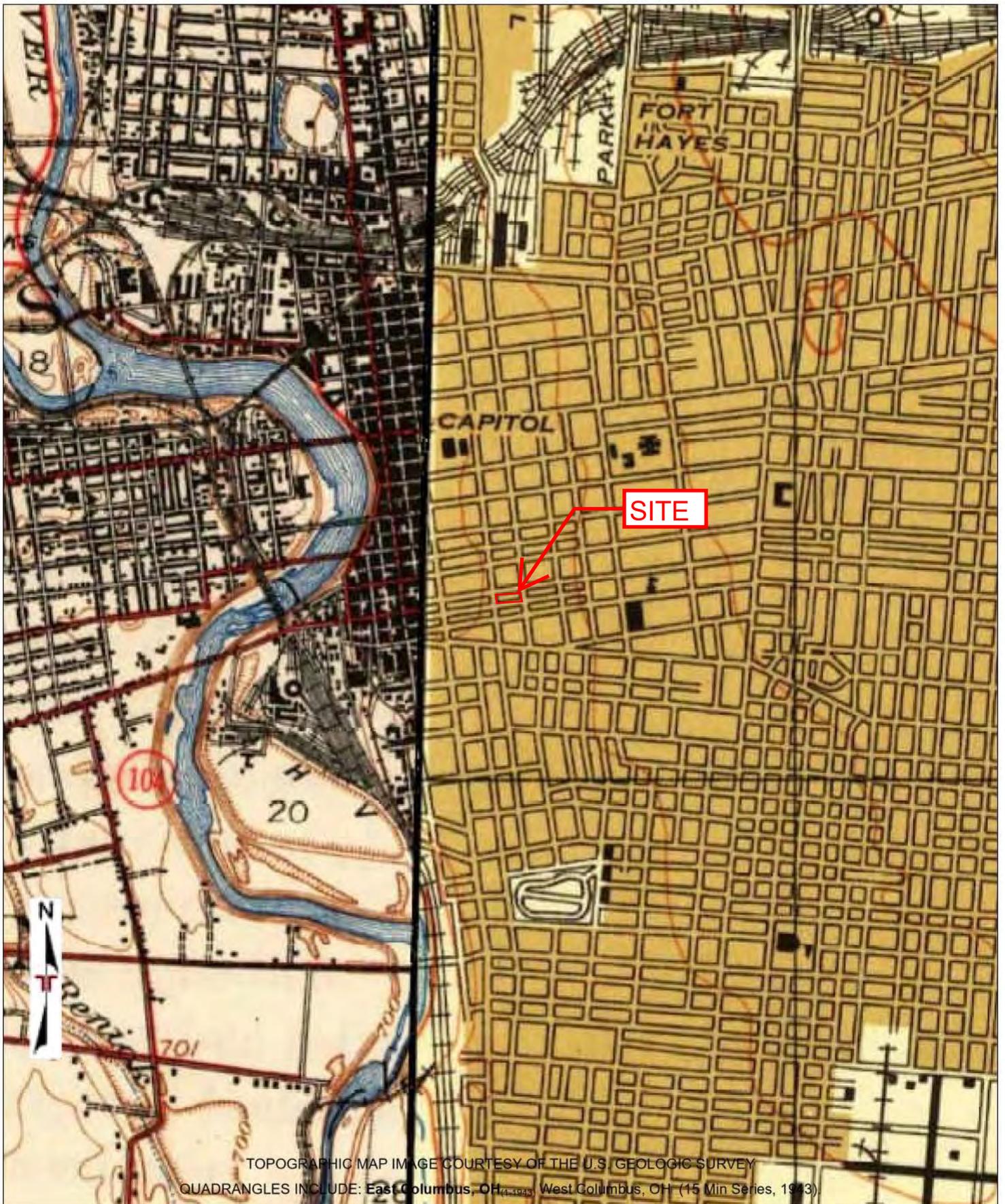


800 Morrison Rd  
Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1925)

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix  
  
**C**



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



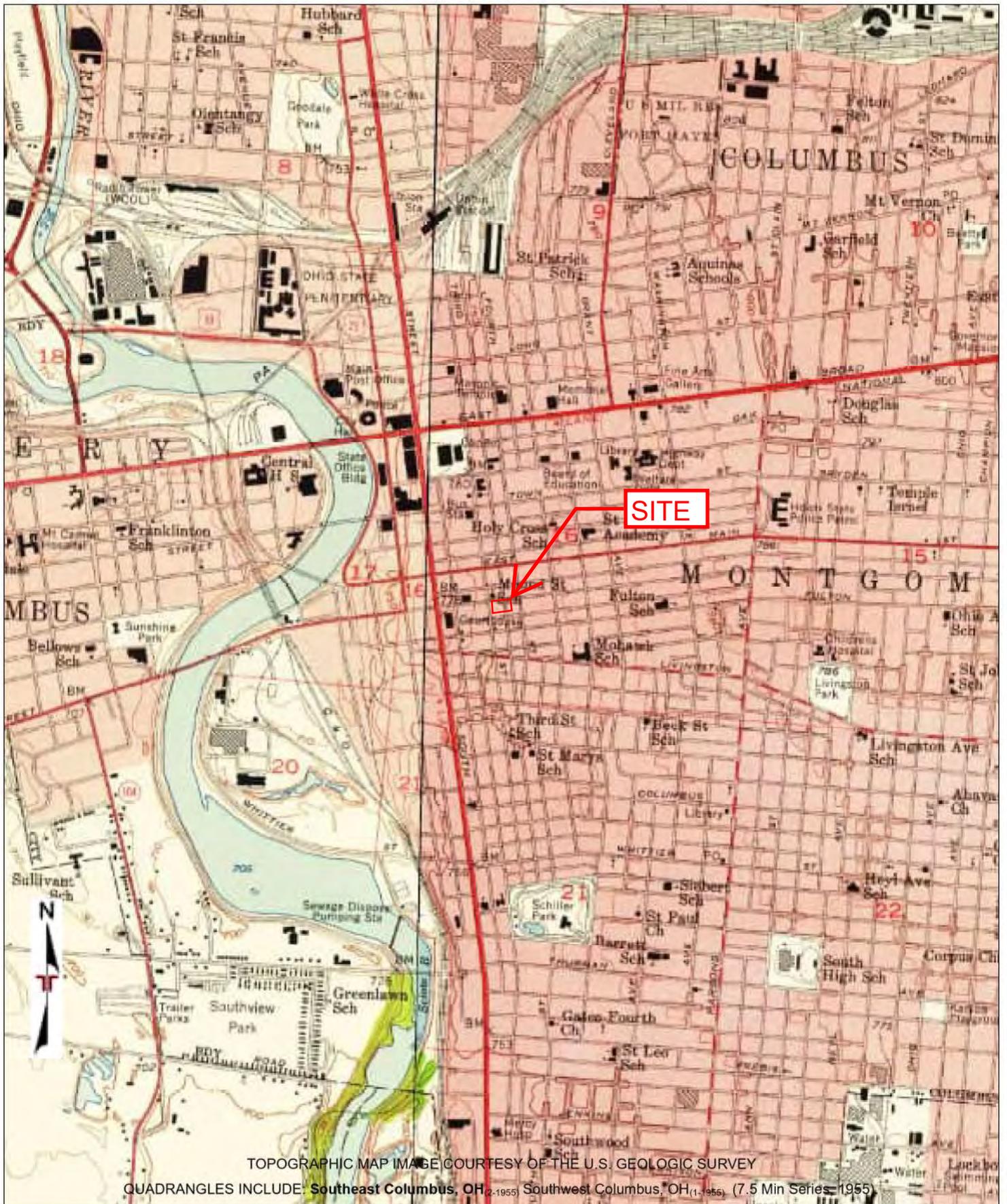
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1943)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



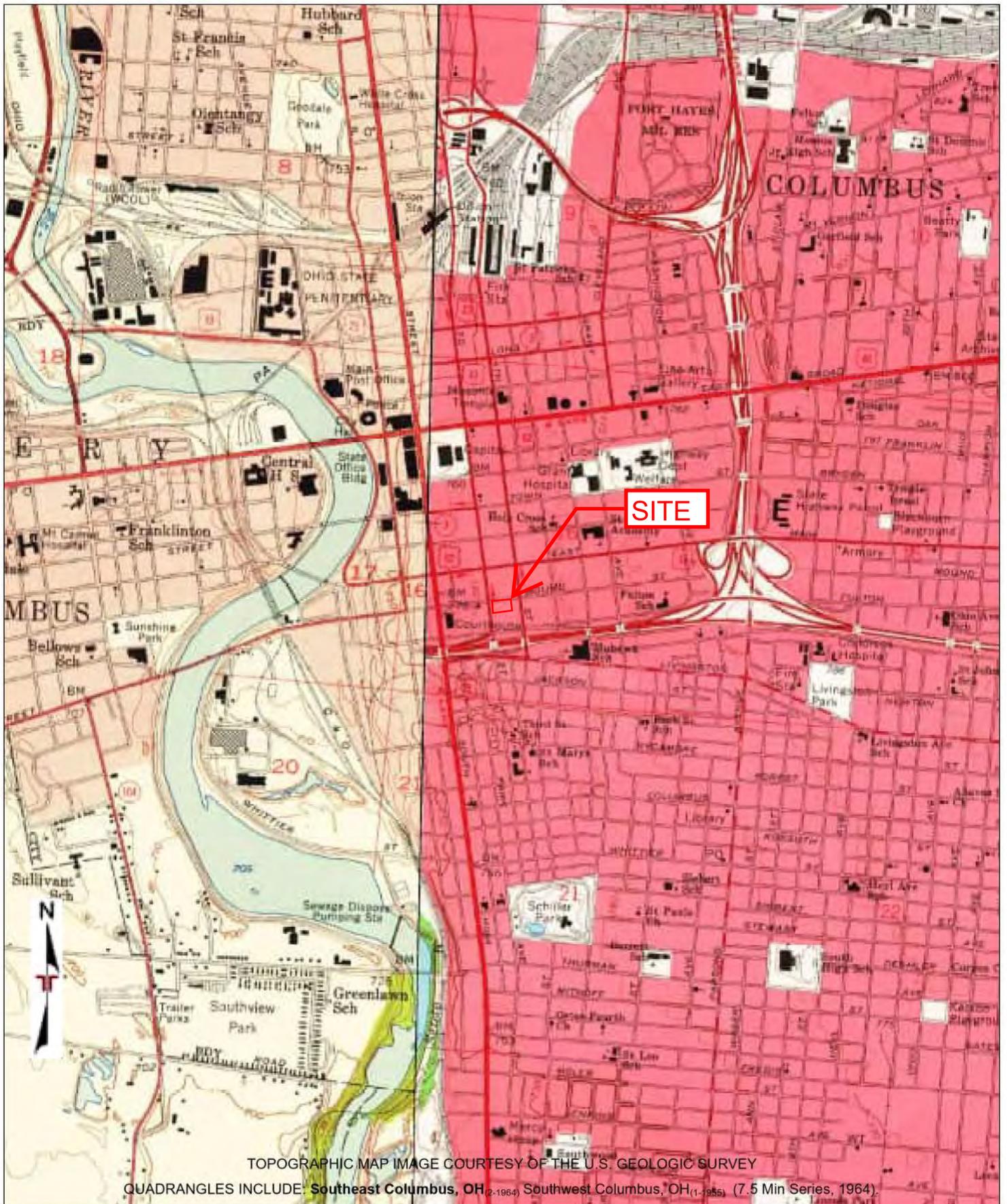
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1955)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



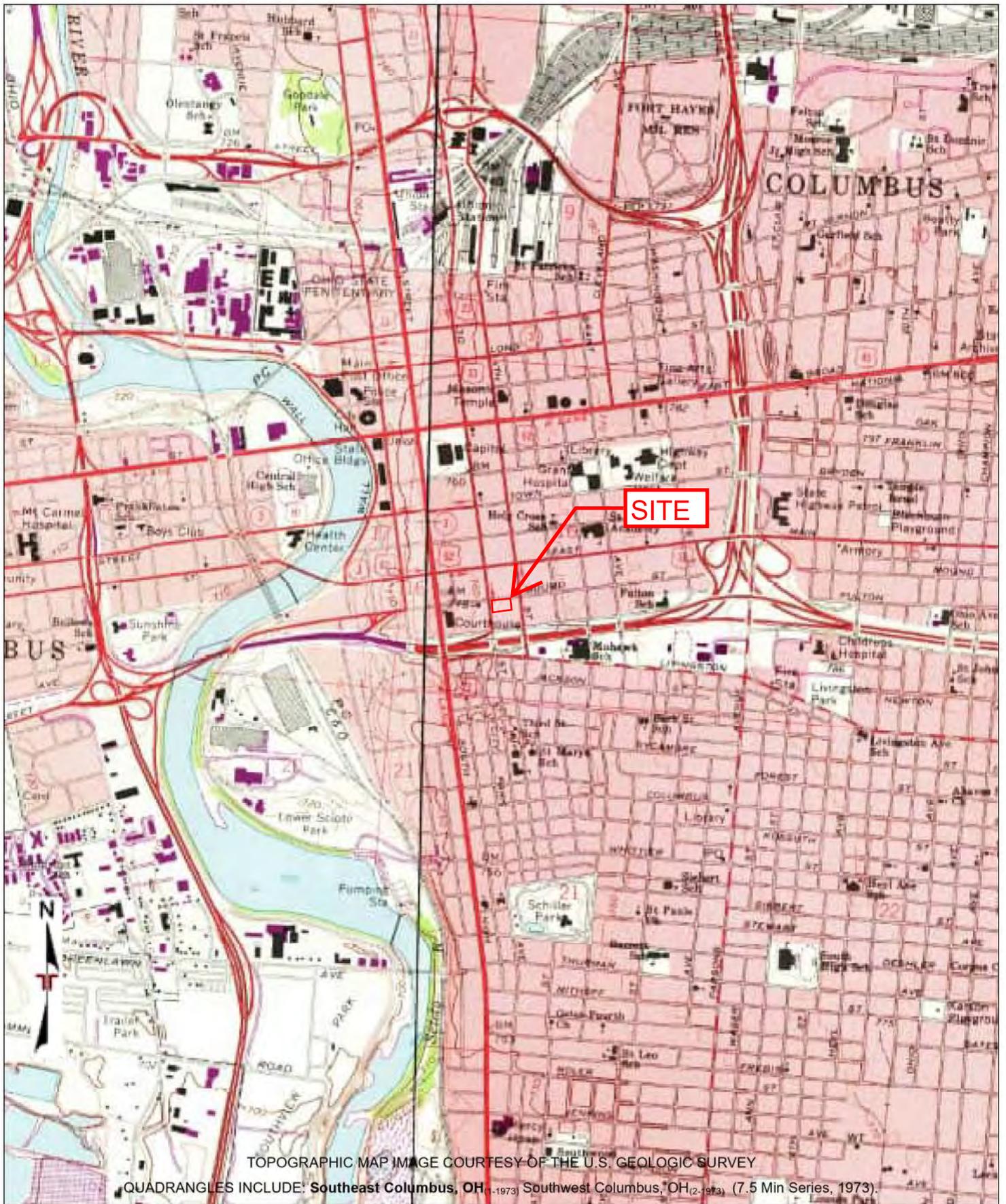
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1964)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



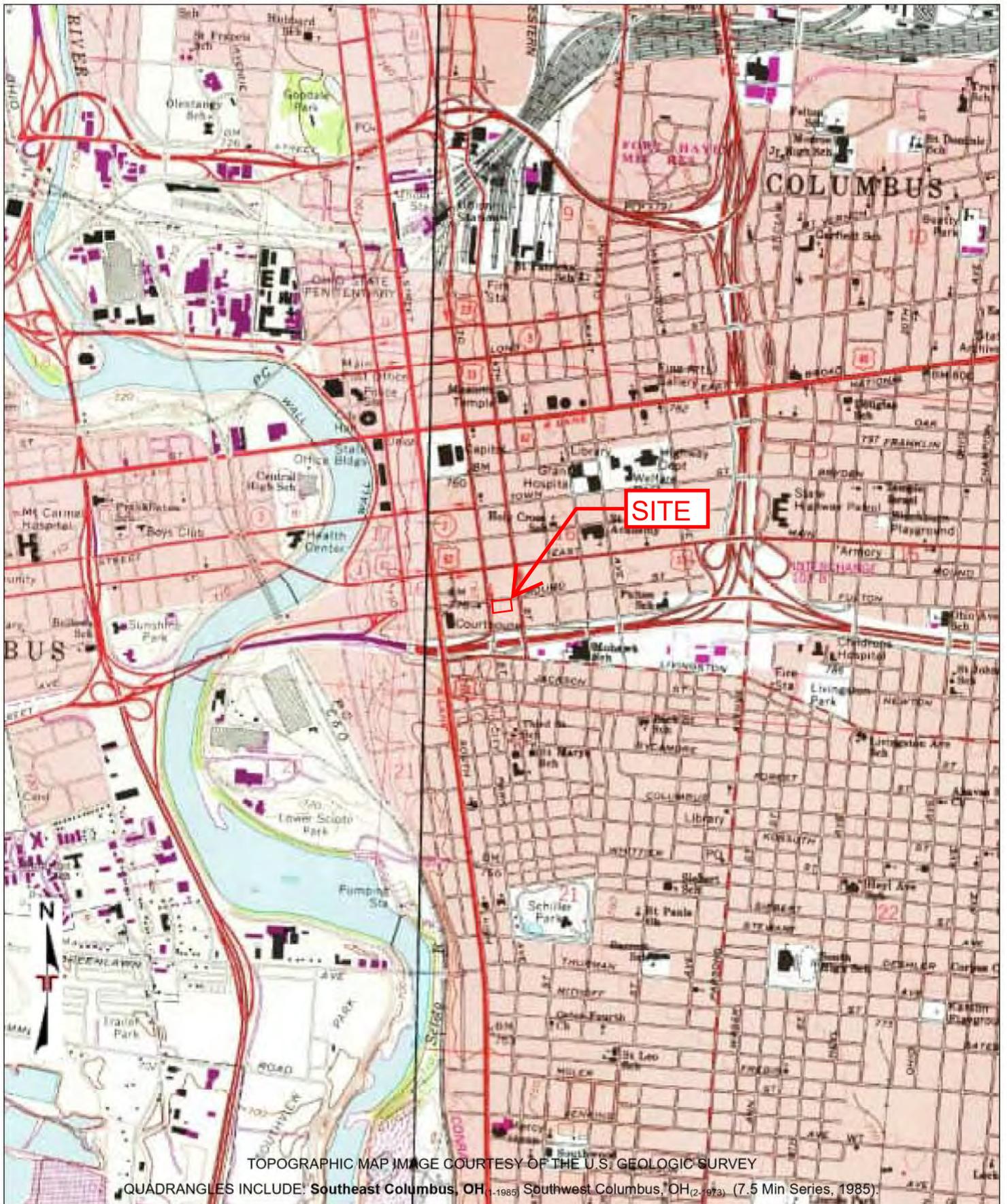
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1973)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



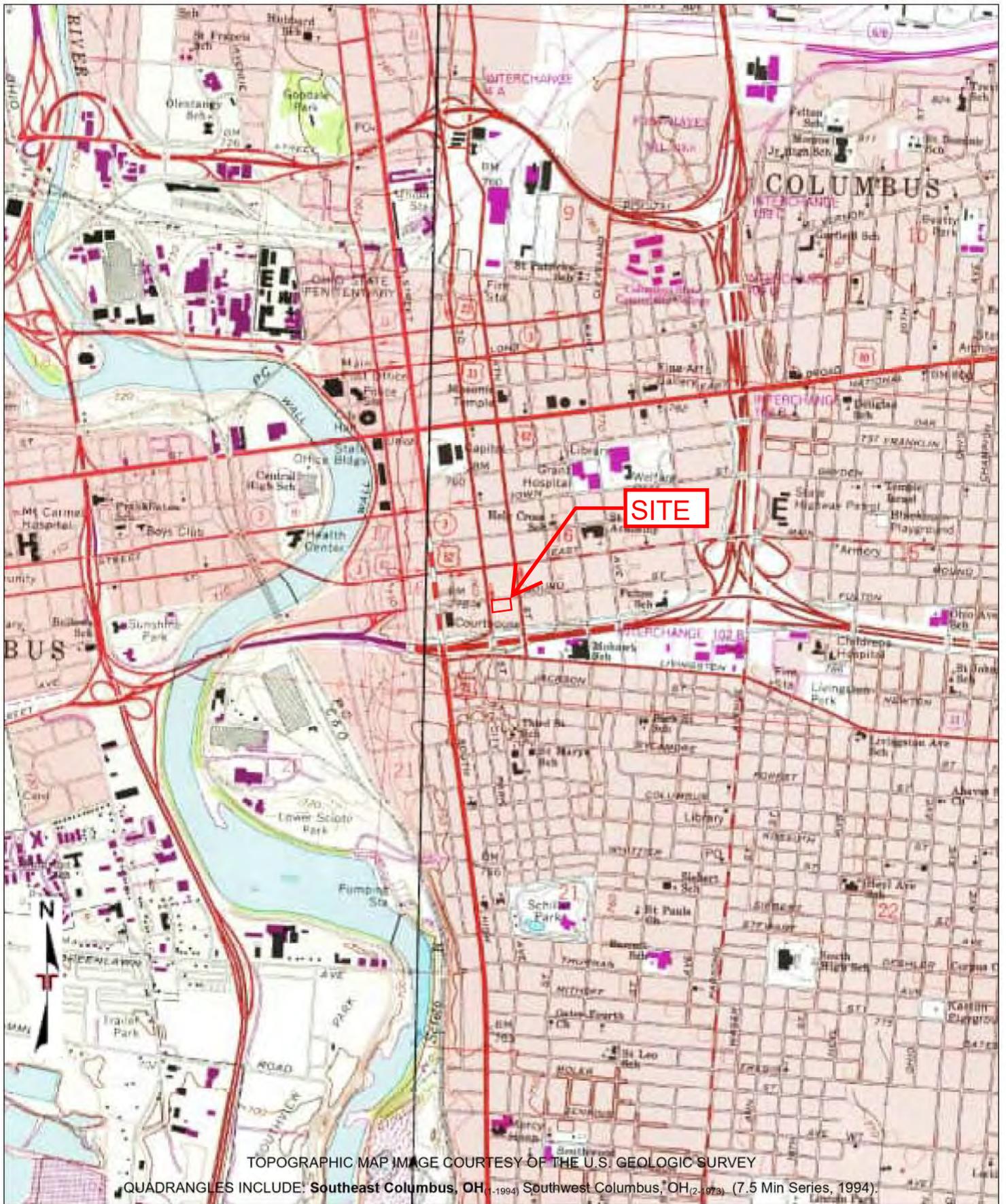
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1985)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23

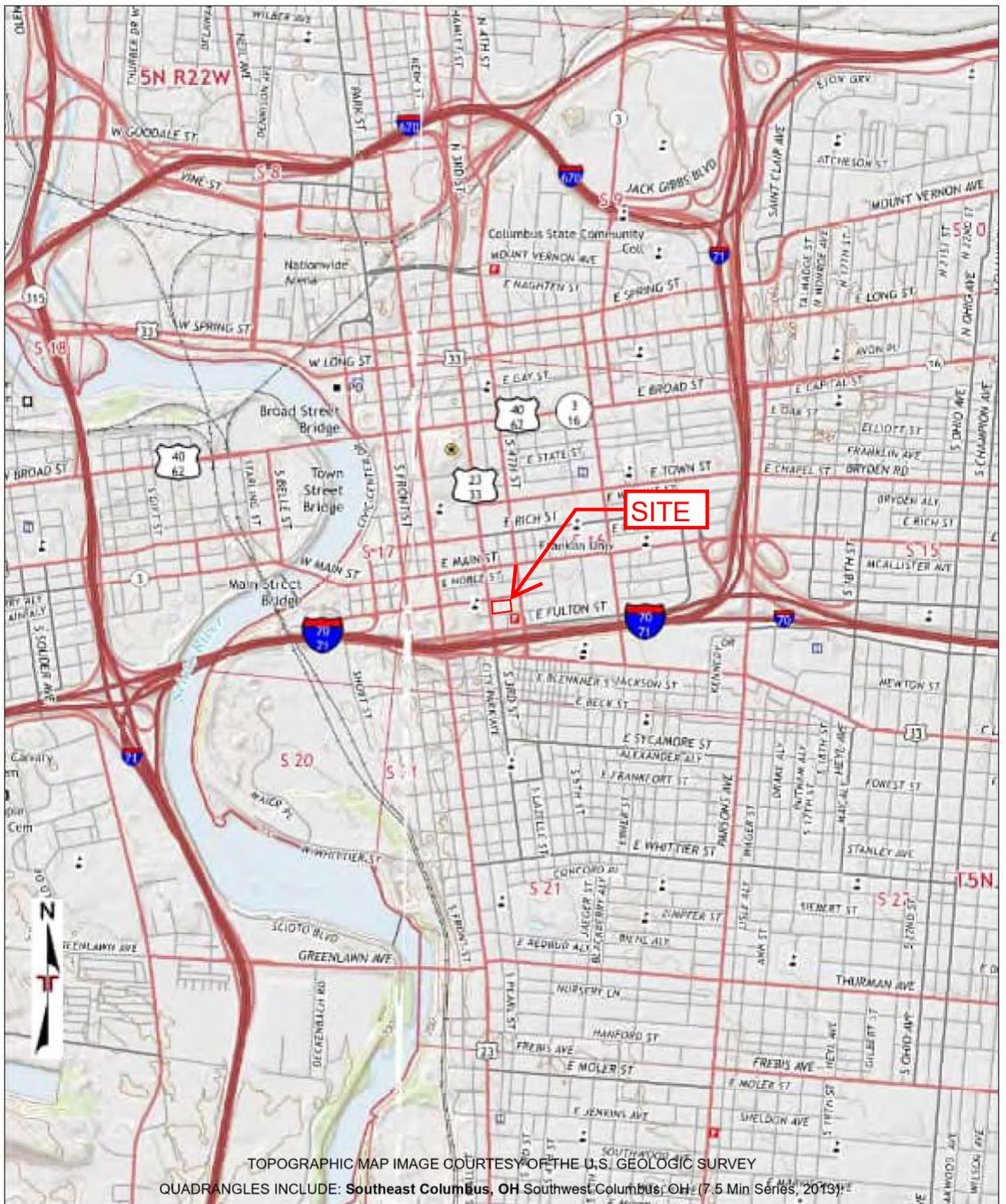


800 Morrison Rd  
Gahanna, Ohio 43230

TOPOGRAPHIC MAP (1994)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix  
  
**C**



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



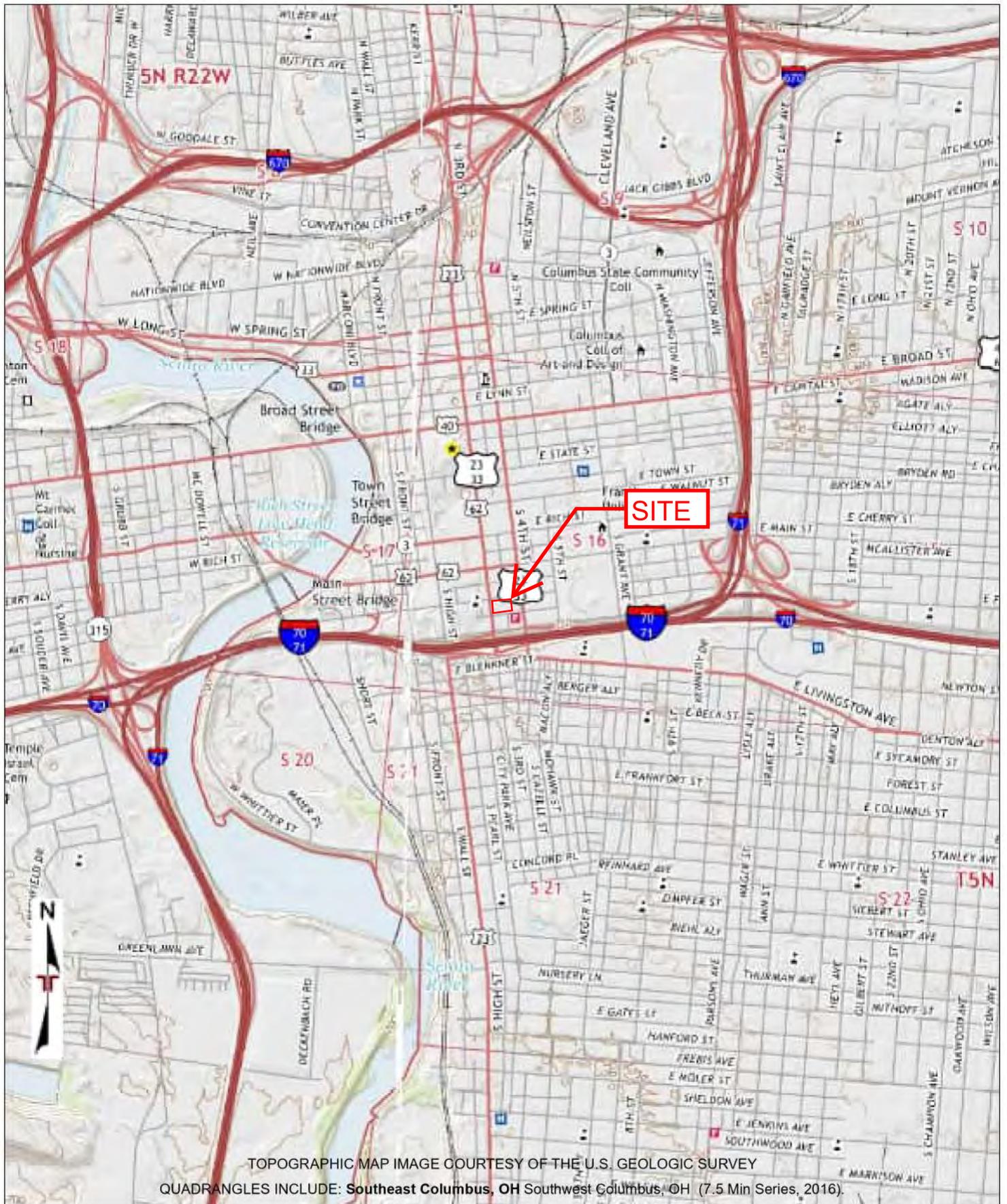
800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (2013)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix

C



<b>Project Manager:</b> WB	<b>Project No:</b> N4247251
<b>Drawn By:</b> ERIS	<b>Scale:</b> 1" = 2000'
<b>Checked By:</b> WB	<b>File Name:</b> 24012300757
<b>Approved By:</b> WB	<b>Date:</b> 2024-08-23

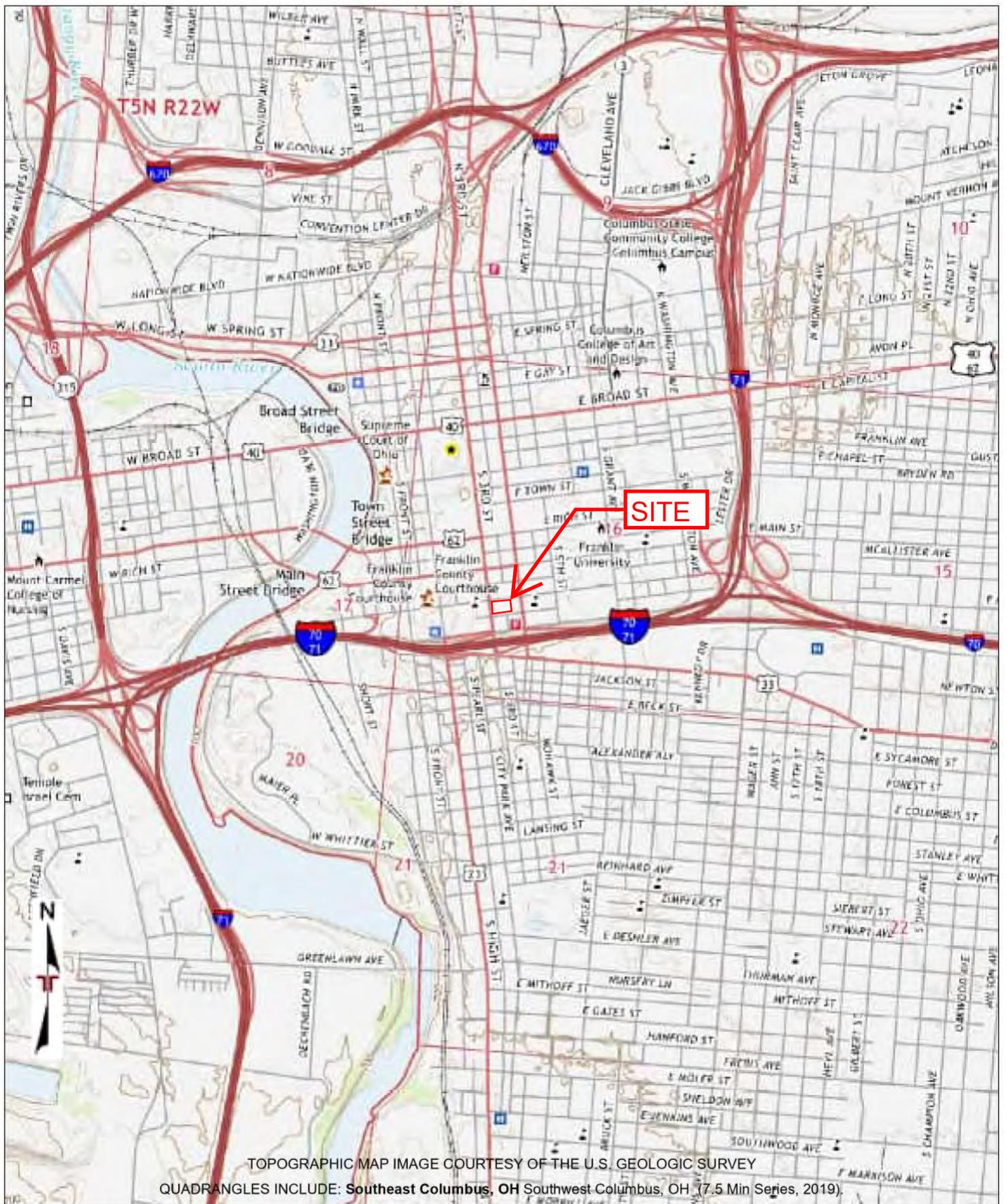


800 Morrison Rd  
 Gahanna, Ohio 43230

TOPOGRAPHIC MAP (2016)

Project Aspire Update  
 360 South Third Street  
 Columbus, Ohio 43215

Appendix  
**C**



Project Manager: WB	Project No: N4247251
Drawn By: ERIS	Scale: 1" = 2000'
Checked By: WB	File Name: 24012300757
Approved By: WB	Date: 2024-08-23



800 Morrison Rd  
Gahanna, Ohio 43230

TOPOGRAPHIC MAP (2019)

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

C



**SITE**



Project Manager: WB	Project No: N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



800 Morrison Rd  
Gahanna, Ohio 43230

**AERIAL PHOTO (1938 - ASCS)**

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix  
  
**C**



**SITE**



Project Manager: WB	Project No. N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



800 Morrison Rd  
Gahanna, Ohio 43230

**AERIAL PHOTO (1947 - ODOT)**

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

**C**



Project Manager: WB	Project No: N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



800 Morrison Rd  
Gahanna, Ohio 43230

AERIAL PHOTO (1953 - USGS)

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

C



SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (1963 - USGS)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (1972 - ODOT)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (1983 - USGS)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (1988 - USGS)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



**SITE**



Project Manager: WB	Project No: N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



800 Morrison Rd  
Gahanna, Ohio 43230

**AERIAL PHOTO (1995 - USGS)**

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

**C**



SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2004 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



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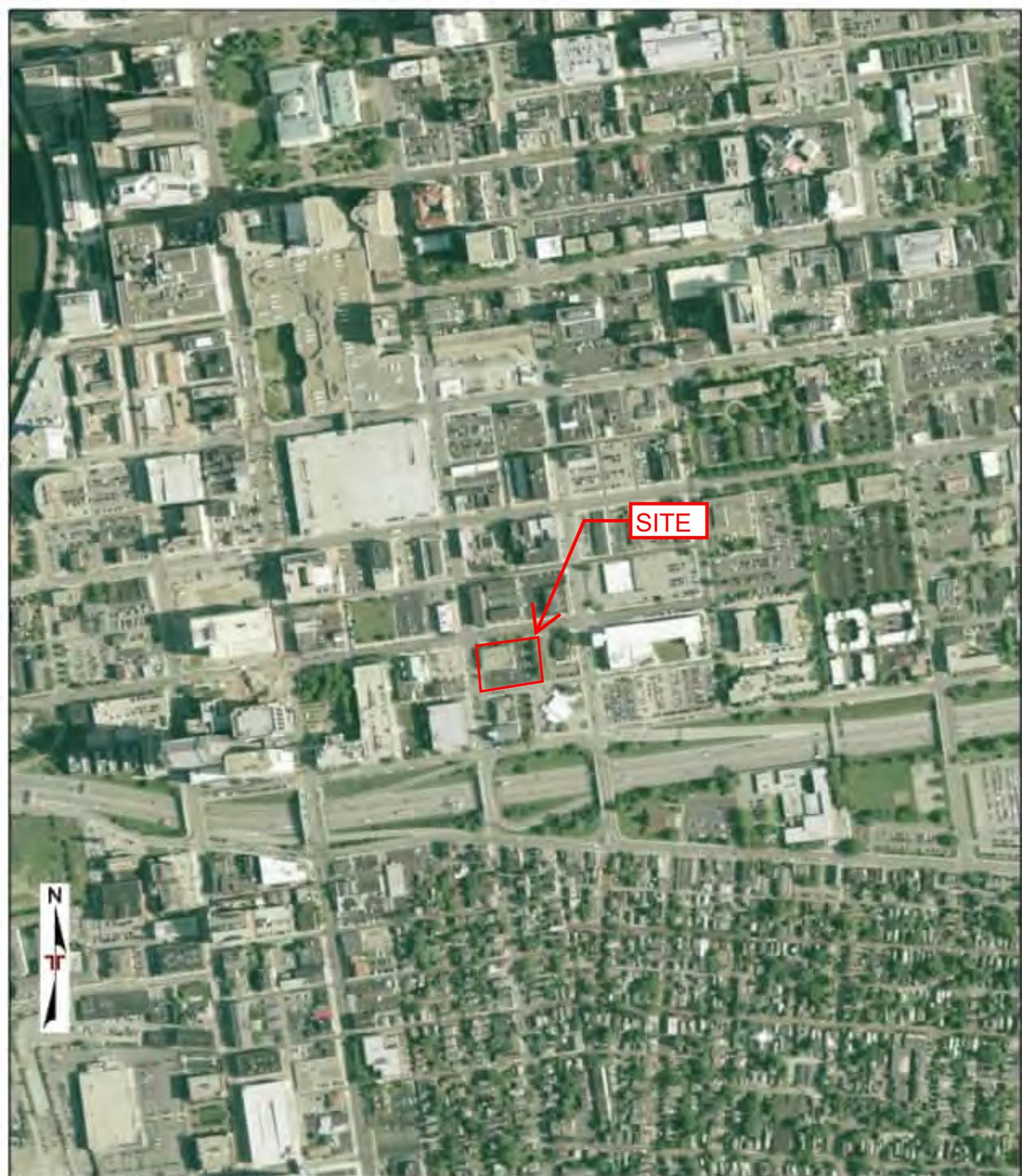
Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2005 - USDA)	Appendix
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Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2006 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No. N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



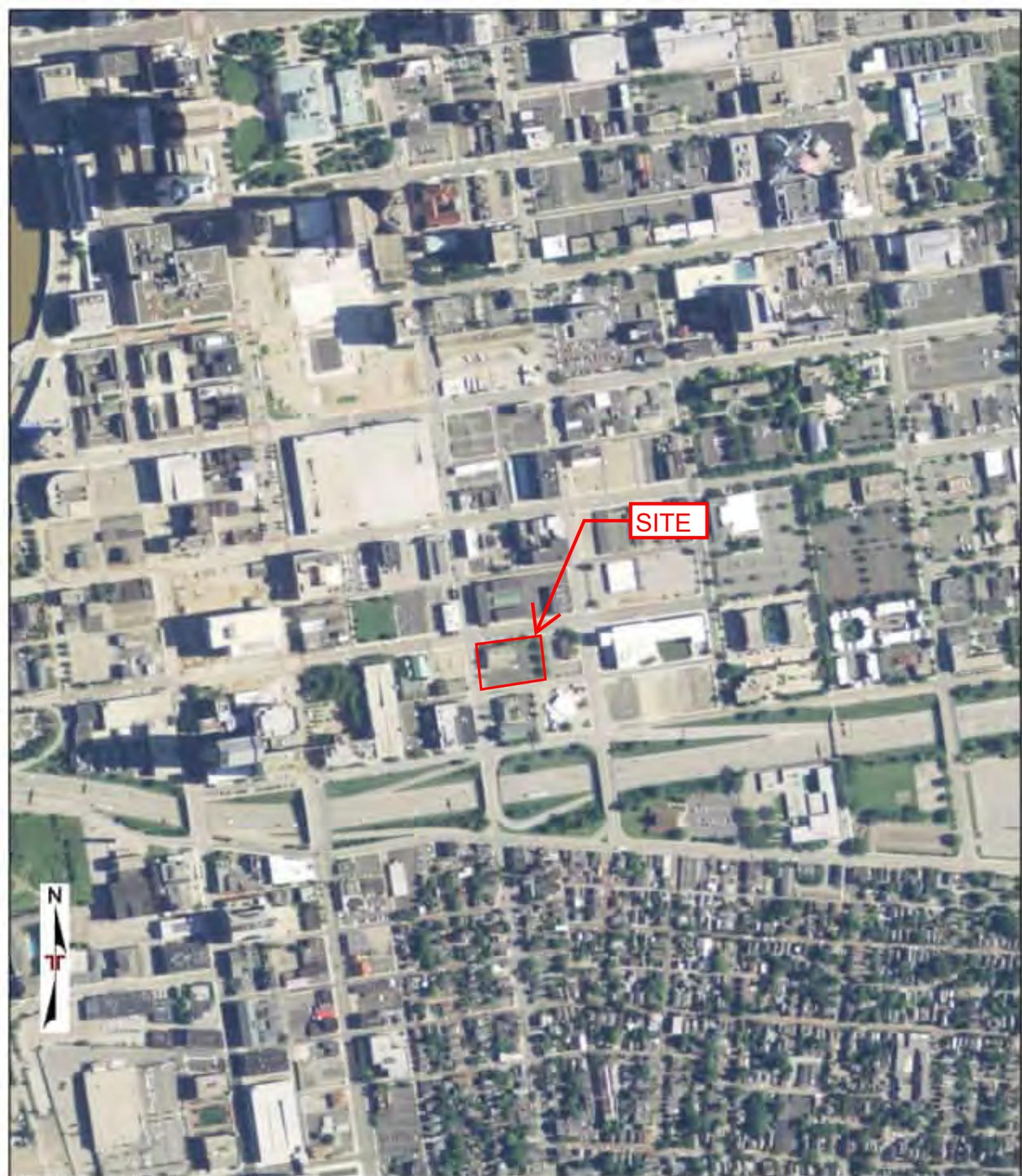
800 Morrison Rd  
Gahanna, Ohio 43230

AERIAL PHOTO (2009 - USDA)

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

C



**SITE**



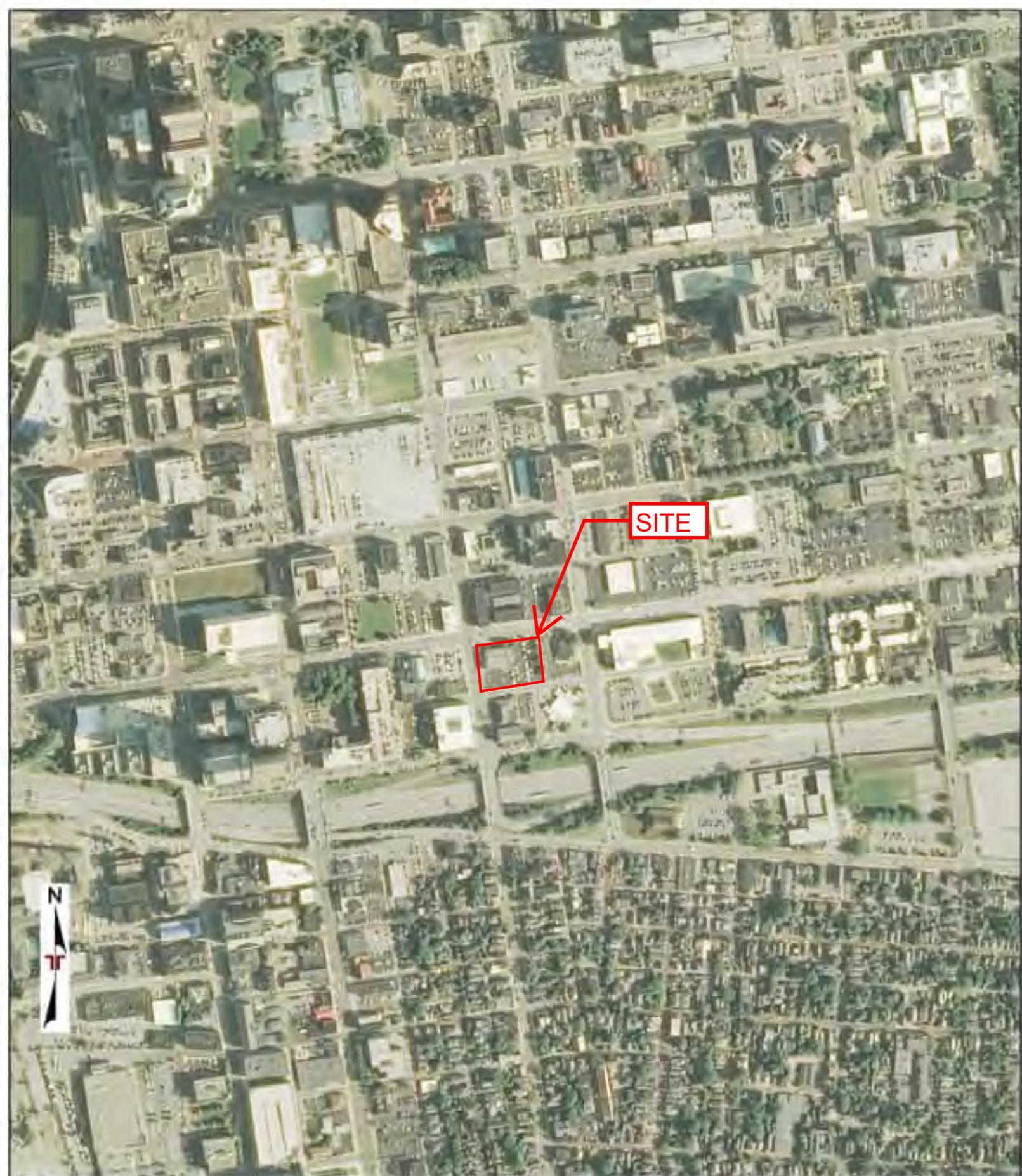
Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2010 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



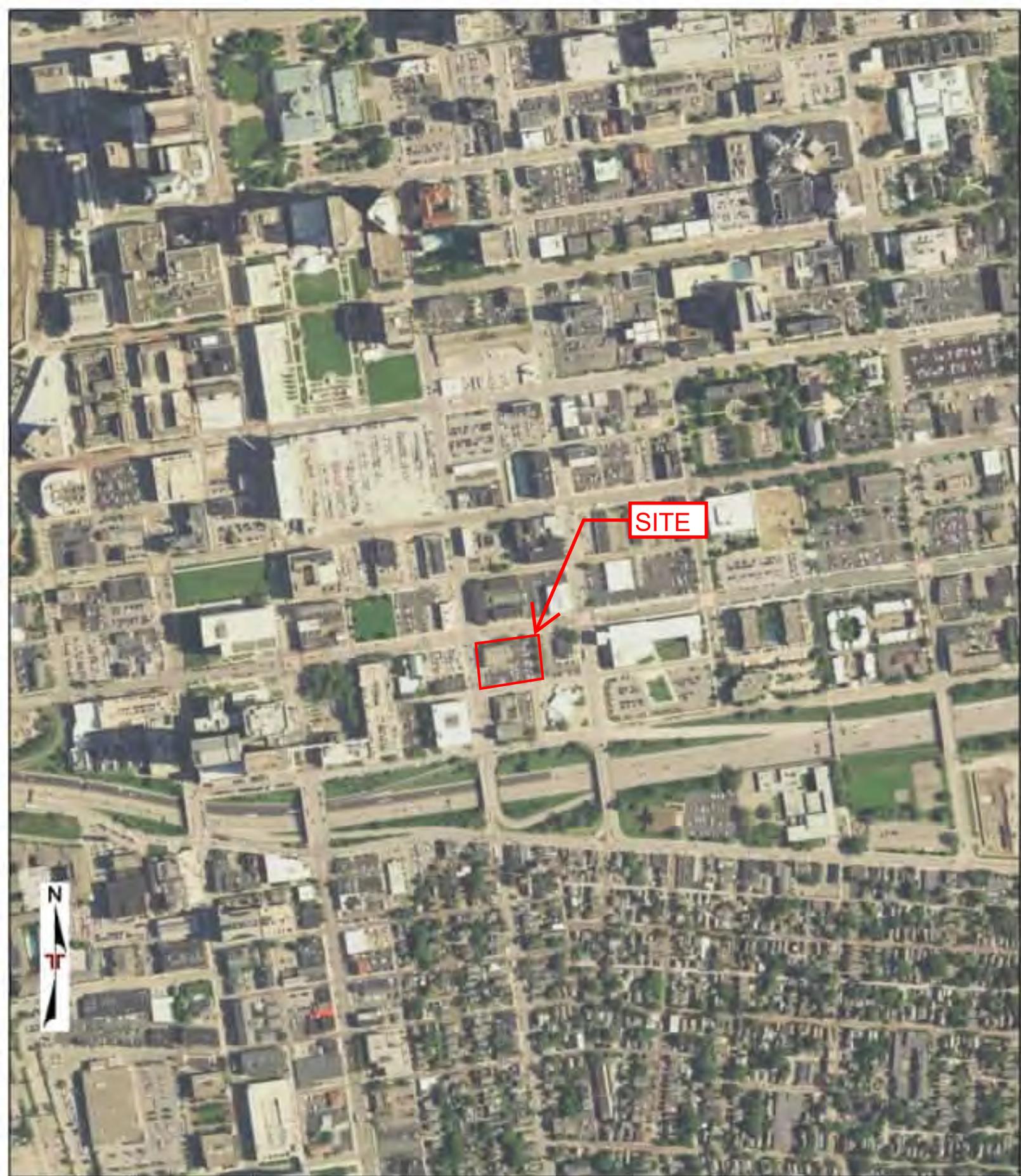
Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2011 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



**SITE**



Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	<b>AERIAL PHOTO (2013 - USDA)</b>	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	<b>C</b>
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



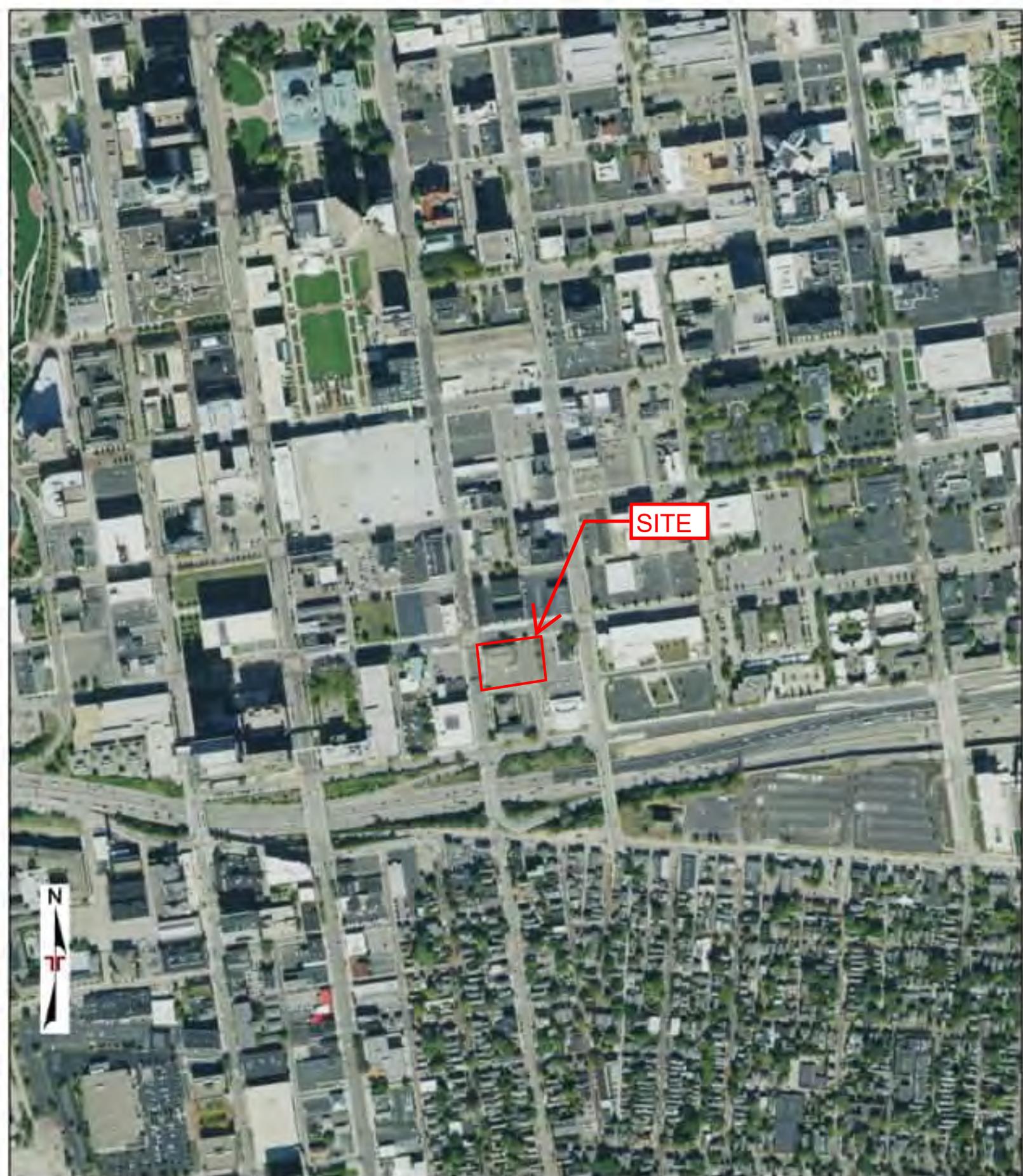
Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2015 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2017 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



**SITE**



Project Manager: WB	Project No: N4247251
Drawn by: ERIS	Scale: 1" = 500'
Checked by: WB	File Name: 24012300757
Approved by: WB	Date: 2024-08-24



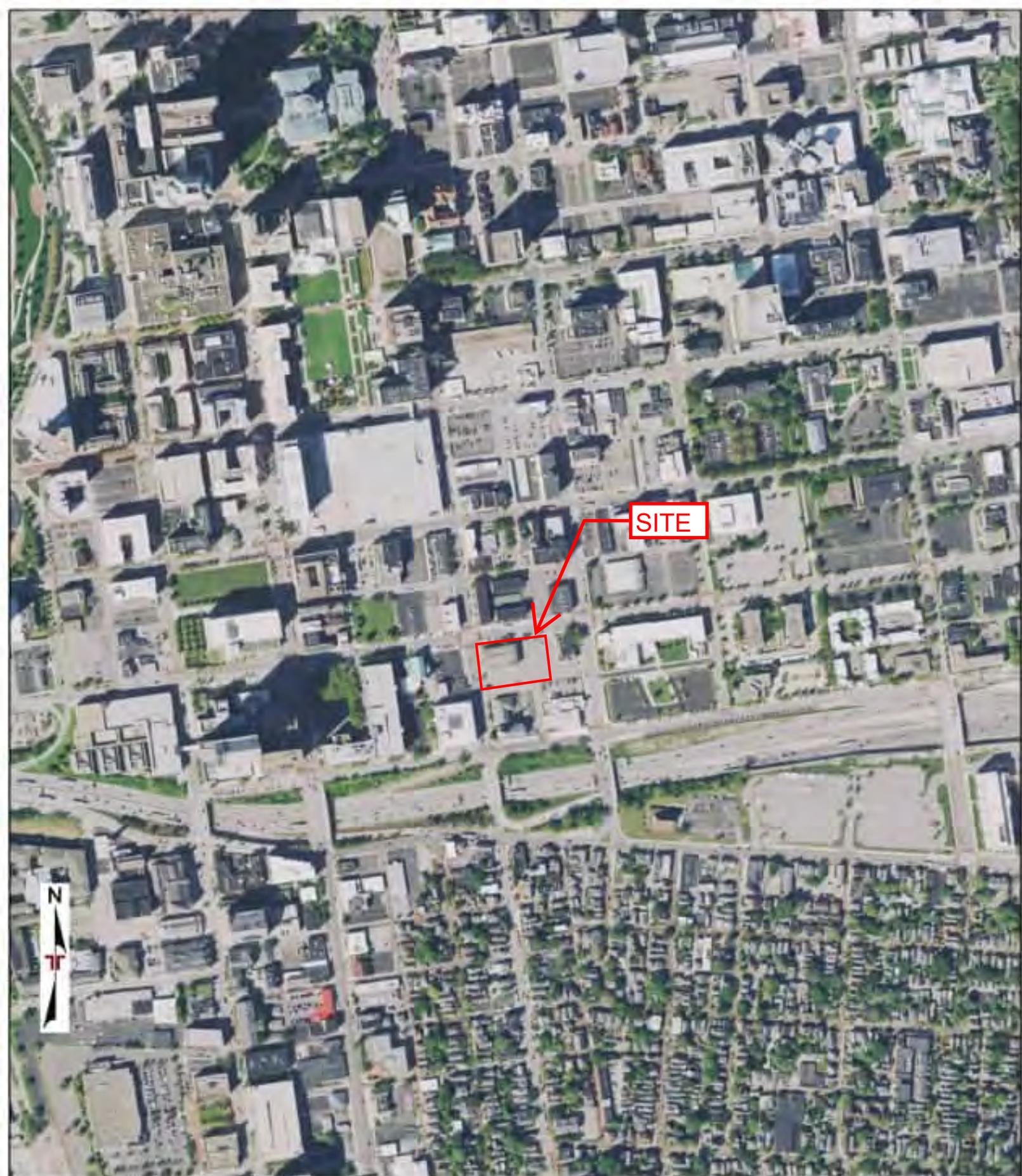
800 Morrison Rd  
Gahanna, Ohio 43230

**AERIAL PHOTO (2019 - USDA)**

Project Aspire Update  
360 South Third Street  
Columbus, Ohio 43215

Appendix

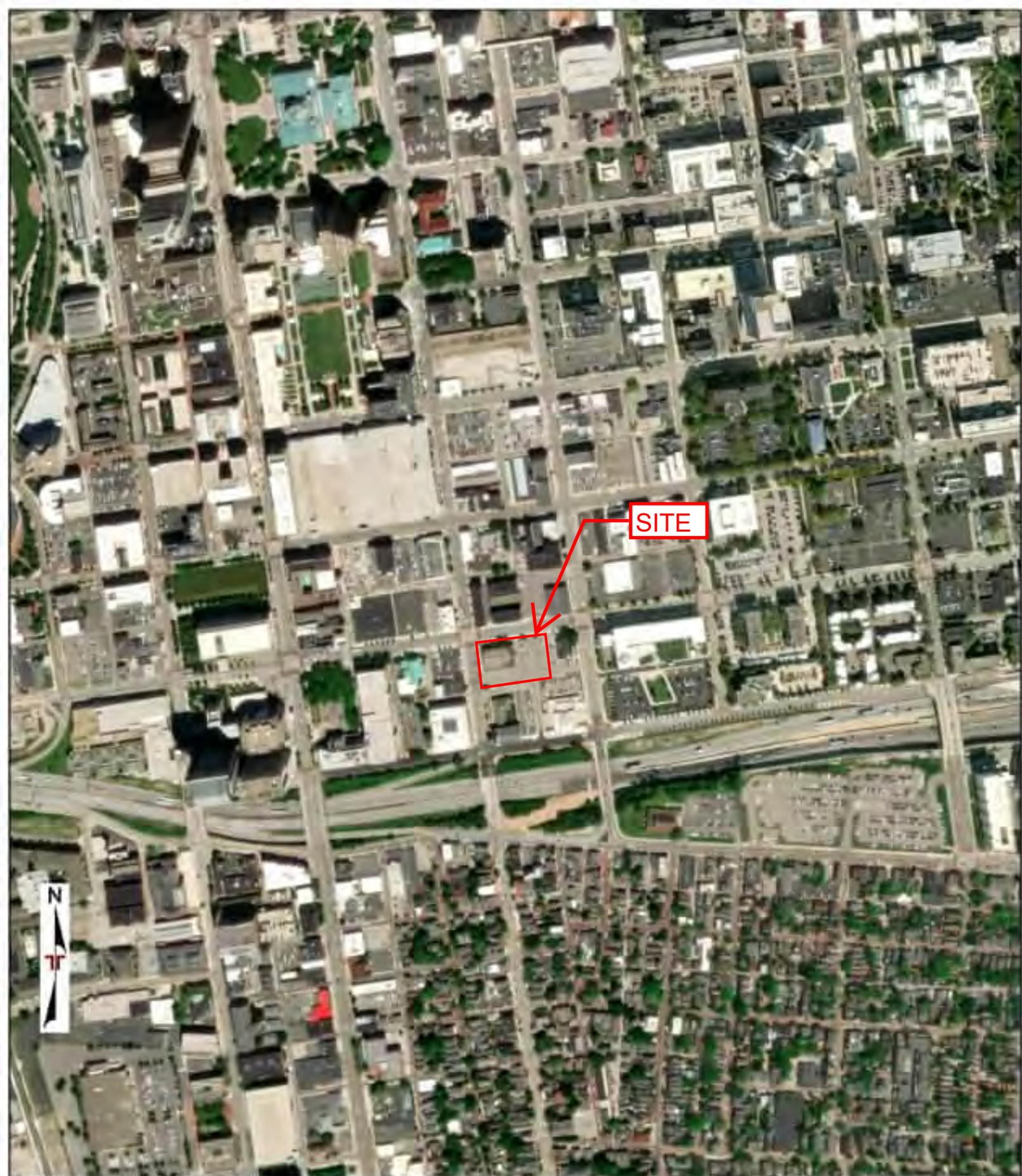
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SITE



Project Manager: WB	Project No: N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2021 - USDA)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			



SITE



Project Manager: WB	Project No. N4247251	 800 Morrison Rd Gahanna, Ohio 43230	AERIAL PHOTO (2022 - MAXAR)	Appendix
Drawn by: ERIS	Scale: 1" = 500'		Project Aspire Update 360 South Third Street Columbus, Ohio 43215	C
Checked by: WB	File Name: 24012300757			
Approved by: WB	Date: 2024-08-24			

74 **AMANDA POWELL...***RESIDENTIAL*  
74 **BRANDON HOWELL...***RESIDENTIAL*  
74 **BRUCE HOBSON...***RESIDENTIAL*  
74 **CLAUDIES SMITH...***RESIDENTIAL*

24 **ANDY CALLIF BAIL BONDS...***RAILROAD CONTRACTORS*  
24 **ANDY CALLIF BAIL BONDS...***BONDS-SURETY & FIDELITY*  
59 **ST JOHN'S EVANGELICAL...***CHURCHES*  
61 **DIANNA DAILEY...***RESIDENTIAL*  
112 **BRENT BENNETT...***RESIDENTIAL*  
114 **ANGELA SULLIVAN...***RESIDENTIAL*  
118 **ROBERT MEISTER...***RESIDENTIAL*  
150 **ACCESS HEALTHCOLUMBUS...***E-COMMERCE*  
150 **JASON BARR...***RESIDENTIAL*  
150 **PDI FORENSICS...***ACCOUNTANTS*

310 12 MONTH BIZ PLAN...BUSINESS MANAGEMENT CONSULTANTS  
 324 PLAZA PROPERTIES...REAL ESTATE  
 326 BENJAMIN GRUBER...RESIDENTIAL  
 328 MARK MILLER...RESIDENTIAL  
 332 JEFFREY BAKER...RESIDENTIAL  
 336 DENNIS JOSEPH...RESIDENTIAL  
 336 KARIN WALKER...RESIDENTIAL  
 341 ANGELSON GROUP...BUSINESS SERVICES NEC  
 341 BUCKEYE VIDEO GAME TRUCK...ENTERTAINERS  
 341 EPIPHANY PSYCHOTHERAPY CNSLTN...PSYCHOTHERAPISTS  
 341 EPIPHANY PSYCHOTHERAPY CNSLTN...COUNSELING SERVICES  
 341 LETTER IRS TAX BKPG PAYROLL...NONCLASSIFIED ESTABLISHMENTS  
 341 NUMBERSRITE INC...ACCOUNTANTS  
 341 PEOPLE FIRST CREDIT RSTRN...CREDIT RESTORATION  
 341 POLARIS TRUCKING LTD...TRUCKING  
 341 SANDERS, JESSE...COUNSELORS  
 341 SANDERS, JESSE...COUNSELORSCOUPLES  
 341 SCHOTTENSTEIN ROOFING...ROOFING CONTRACTORS  
 341 SELECTBRACES.COM...COMPUTER SOFTWARE  
 341 SELECTBRACES.COM...DATA PROCESSING SOFTWARE  
 341 SIXTH CITY MARKETING...MARKETING PROGRAMS & SERVICES  
 341 WALKER PHOTOGRAPHY...PHOTOGRAPHY  
 341 WILTSHIRE CAPITAL PARTNERS LP...REAL ESTATE MANAGEMENT  
 341 WORLD WIDE RECORDS...NONCLASSIFIED ESTABLISHMENTS  
 360 INNOVATION OHIO...NON-PROFIT ORGANIZATIONS  
 360 RICHARD CARRICK...RESIDENTIAL  
 360 UNITED WAY CENTRAL OHIO...CONSTRUCTION COMPANIES  
 360 UNITED WAY CENTRAL OHIO...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 360 UNITED WAY CENTRAL OHIO...FEDERAL GOVERNMENT CONTRACTORS  
 383 JOSEPH SKILKEN REALTY INC...FEDERAL GOVERNMENT CONTRACTORS  
 383 JOSEPH SKILKEN REALTY INC...REAL ESTATE DEVELOPERS  
 383 MAX RACK...MANUFACTURERS  
 404 BREAD ORGANIZATION...COUNTY GOVERNMENT-COURTS  
 404 BREAD ORGANIZATION...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 404 DOWNTOWNERS...PAPER PRODUCTS (WHLS)  
 404 TRINITY LUTHERAN CHURCH...CHURCHES  
 404 UHCAN OHIO...ASSOCIATIONS  
 404 UHCAN OHIO...NON-PROFIT ORGANIZATIONS  
 473 MOXIE PEST CONTROL COLUMBUS...PEST CONTROL  
 480 COLLEY INTELLIGENCE...DETECTIVE AGENCIES  
 480 COLLEY INTELLIGENCE...EMPLOYMENT SCREENING SERVICES  
 480 COLLEY INTELLIGENCE...DETECTIVES-PRIVATE  
 480 COLLEY INTELLIGENCE...EMPLOYMENT AGENCIES & OPPORTUNITIES  
 480 EXPRESS INSURANCE...INSURANCE AGENCIES & BROKERAGES  
 480 INDUSTRIAL REFRIGERATION BLR...REFRIGERATORS & FREEZERS-  
 SERVICE/REPAIR  
 480 M S GLOBAL COMMERCE LLC...NONCLASSIFIED ESTABLISHMENTS  
 480 NEW LEAF DRUG REHAB COLUMBUS...ADDICTION TREATMENT CENTERS  
 480 ONE GERMAN VILLAGE II...REAL ESTATE  
 480 SAFEBASEMENTS OF OHIO...MASONRY CONTRACTORS  
 480 T3 PACKAGING...PACKAGING SERVICE  
 480 UNIGLOBE TRAVEL DESIGNERS...TRAVEL AGENCIES & BUREAUS  
 480 WEST ENTERPRISES INC...NONCLASSIFIED ESTABLISHMENTS  
 490 BRENT BEATTY...RESIDENTIAL  
 490 SCOTT MACKEY...RESIDENTIAL  
 492 DAN GOSS...RESIDENTIAL  
 495 KITTIES CAKES...BAKERS-RETAIL  
 496 LAWRENCE LAW OFFICE...ATTORNEYS  
 499 NIKO'S BARBERSHOP...BARBERS

300 DISCOUNT TIRE CO INC...TIRE-DEALERS-RETAIL  
 300 GRISMER AUTO SVC CTR...AUTOMOBILE REPAIRING & SERVICE  
 300 GRISMER AUTO SVC CTR...TIREDEALERSUSED (WHLS)  
 300 GRISMER AUTO SVC CTR...TIRE-DEALERS-RETAIL  
 300 GRISMER AUTO SVC CTR...BRAKE SERVICE  
 309 FLASH BACK PHOTOGRAPHY...PHOTOGRAPHERS-PORTRAIT  
 309 FLASHBACK PHOTOGRAPHY...PHOTOGRAPHY  
 309 INSURANCEAGENTS.COM...MONEY MARKET FUNDS  
 309 KING, ERIC BRIAN...ATTORNEYS  
 309 OHIO SICKLE CELL & HEALTH...ECOMMERCE  
 309 OHIO SICKLE CELL & HEALTH...HEALTH INFORMATION & REFERRAL PROGRAMS  
 309 PD EYE FORENSICS LLC...ACCOUNTANTS  
 309 RODIER LAW OFFICE INC...MUSIC INSTRUCTIONVOCAL  
 309 RODIER LAW OFFICE INC...ATTORNEYS  
 309 SULLIVAN, JOSEPH W...ARCHITECTS  
 309 TERUKO WEINBERG...NONCLASSIFIED ESTABLISHMENTS  
 330 STANTON'S SHEET MUSIC...KARAOKE MACHINES & TAPES  
 330 STANTON'S SHEET MUSIC...PARTY PLANNING SERVICE  
 330 STANTON'S SHEET MUSIC...MUSIC WRITERS SUPPLIES (WHLS)  
 330 STANTON'S SHEET MUSIC...MUSIC DEALERS  
 330 STANTON'S SHEET MUSIC...ECOMMERCE  
 330 STANTON'S SHEET MUSIC...MUSIC ARRANGERS & COMPOSERS  
 364 COLUMBUS DOWNTOWN HIGH SCHOOL...SCHOOLS  
 364 COLUMBUS DOWNTOWN HIGH SCHOOL...SCHOOLSUNIVERSITIES &  
 COLLEGES ACADEMIC  
 365 CME FEDERAL CREDIT UNION...CREDIT UNIONS  
 365 CME FEDERAL CREDIT UNION...FEDERALLY CHARTERED CREDIT UNIONS  
 495 BISTROLINO...BARS  
 500 A PLUS STAFFING...EMPLOYMENT CONTRACTORS-TEMPORARY HELP  
 500 ADVANCED AUTO INSURANCE...INSURANCE  
 500 PENN SUMMIT INSURANCE...INSURANCE

401 **MONROE HOUSE CO OAKWOOD MGMT...***APARTMENT FINDING & RENTAL SERVICE*

443 **ALTERATIONS EXPRESS...***ALTERATIONS-CLOTHING*

457 **VIRTUAL OFFICE SYSTEMS...***COMPUTER SOFTWARE*

483 **DAVID HAYES...***RESIDENTIAL*

497 **RADMILA CHEREMOSHNYUK...***RESIDENTIAL*

498 **TARIMELLA DESIGNS...***GRAPHIC DESIGNERS*

498 **TARIMELLA DESIGNS...***DESIGNERS*

74 **AMANDA POWELL...***RESIDENTIAL*

74 **BRANDON HOWELL...***RESIDENTIAL*

74 **BRUCE HOBSON...***RESIDENTIAL*

74 **CLAUDIES SMITH...***RESIDENTIAL*

24 ANDY CALLIF BAIL BONDS...BONDS-SURETY & FIDELITY  
 24 ANDY CALLIF BAIL BONDS...RAILROAD CONTRACTORS  
 59 ST JOHN'S EVANGELICAL...CHURCHES  
 61 KEYONNA JONES...RESIDENTIAL  
 65 CENTRAL PARKING SYSTEM...PARKING STATIONS & GARAGES  
 112 BRENT BENNETT...RESIDENTIAL  
 114 ANGELA SULLIVAN...RESIDENTIAL  
 118 ROBERT MEISTER...RESIDENTIAL  
 150 ACCESS HEALTHCOLUMBUS...E-COMMERCE  
 150 BARR JONES ASSOC LLP...DIVORCE ASSISTANCE  
 150 BARR JONES & ASSOC LLP...MUSIC INSTRUCTIONVOCAL  
 150 BARR JONES & ASSOC LLP...ATTORNEYS  
 150 BUTLER OF COLUMBUS LLC...TITLE COMPANIES  
 150 BUTLER OF COLUMBUS LLC...CREDIT UNIONS  
 150 CROWN SEARCH SVC...SERVICES NEC  
 150 DANCY GROUP LLC...CREDIT UNIONS  
 150 DANCY GROUP LLC...INSURANCE  
 150 FERRIS FINANCIAL...FINANCIAL PLANNING CONSULTANTS  
 150 FERRIS FINANCIAL LLC...FINANCIAL ADVISORY SERVICES  
 150 FLETCHER, DANIEL J...ATTORNEYS  
 150 GUARANTEED CONSTRUCTION SVC...CONSTRUCTION COMPANIES  
 150 HEAGERTY, PATRICK J...ATTORNEYS  
 150 JASON BARR...RESIDENTIAL  
 150 LEWIS, JEFFREY M...BAILIFFS  
 150 MILLER, MARK S...ATTORNEYS  
 150 MTC TITLE CO-DOWNTOWN...TITLE COMPANIES  
 150 OHIO CASA...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 150 OHIO CASA...FEDERAL GOVERNMENT CONTRACTORS  
 150 PDI FORENSICS...ACCOUNTANTS  
 150 TSITOURIS, CHRIS C...ATTORNEYS  
 150 WEILER, ALAN R AGT...INSURANCE

310 12 MONTH BIZ PLAN...BUSINESS MANAGEMENT CONSULTANTS  
 324 PLAZA PROPERTIES...REAL ESTATE  
 328 MARK MILLER...RESIDENTIAL  
 332 JEFFREY BAKER...RESIDENTIAL  
 336 DENNIS JOSEPH...RESIDENTIAL  
 341 ALL OHIO BAIL BONDS...BONDS-BAIL  
 341 ANGELSON GROUP...BUSINESS SERVICES NEC  
 341 BET INVESTMENTS STUDENT...REAL ESTATE  
 341 BLUE BLUE...ATTORNEYS  
 341 BLUE BLUE...ASSOCIATIONS  
 341 BUCKEYE VIDEO GAME TRUCK...ENTERTAINERS  
 341 COMMUNITY RESEARCH PARTNERS...RESEARCH SERVICE  
 341 GNIYES! INC...INFORMATION & REFERRAL SVCS  
 341 GREEN REALTY...REAL ESTATE  
 341 HOMESTEAD AMERICA...REAL ESTATE INSPECTION  
 341 HOMESTEAD AMERICA...REAL ESTATE  
 341 ISAAC BUSINESS SVC...MUSIC INSTRUCTIONVOCAL  
 341 ISAAC BUSINESS SVC...ATTORNEYS  
 341 JAMES M SCHOTTENSTEIN CO LPA...ATTORNEYS  
 341 JOHN GILCHRIST LAW OFFICE...ATTORNEYS  
 341 NON PROFIT CTR FOR BUSINESS...BUSINESS DEVELOPMENT  
 341 NUMBERSRITE INC...ACCOUNTANTS  
 341 POLARIS TRUCKING LTD...TRUCKING  
 341 SANDERS, JESSE...COUNSELORS  
 341 SANDERS, JESSE...COUNSELORSCOUPLES  
 341 SCHOTTENSTEIN ROOFING...ROOFING CONTRACTORS  
 341 SELECTBRACES.COM...DATA PROCESSING SOFTWARE  
 341 SELECTBRACES.COM...COMPUTER SOFTWARE  
 341 SIXTH CITY MARKETING...MARKETING PROGRAMS & SERVICES  
 341 TURKEY RUN INC...REAL ESTATE DEVELOPERS  
 341 UNITED NEGRO COLLEGE FUND INC...FUND RAISING COUNSELORS &  
 ORGANIZATIONS  
 341 WALKER PHOTOGRAPHY...PHOTOGRAPHY  
 341 WILTSHIRE CAPITAL PARTNERS LP...REAL ESTATE MANAGEMENT  
 341 WORLD WIDE RECORDS...NONCLASSIFIED ESTABLISHMENTS  
 360 PROGRESS OHIO...NON-PROFIT ORGANIZATIONS  
 360 UNITED WAY-CENTRAL OHIO...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 360 UNITED WAY-CENTRAL OHIO...FEDERAL GOVERNMENT CONTRACTORS  
 360 UNITED WAY-CENTRAL OHIO...CONSTRUCTION COMPANIES  
 383 JOSEPH SKILKEN REALTY INC...FEDERAL GOVERNMENT CONTRACTORS  
 383 JOSEPH SKILKEN REALTY INC...REAL ESTATE DEVELOPERS  
 383 MAX RACK...MANUFACTURERS  
 404 BREAD ORGANIZATION...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 404 BREAD ORGANIZATION...COUNTY GOVERNMENT-COURTS  
 404 DOWNTOWNERS...PAPER PRODUCTS (WHLS)  
 404 TRINITY LUTHERAN CHURCH...CHURCHES  
 404 UHCAN OHIO...NON-PROFIT ORGANIZATIONS  
 404 UHCAN OHIO...ASSOCIATIONS  
 480 COLLEY INTELLIGENCE...EMPLOYMENT AGENCIES & OPPORTUNITIES  
 480 COLLEY INTELLIGENCE...DETECTIVES-PRIVATE  
 480 COLLEY INTELLIGENCE...DETECTIVE AGENCIES  
 480 COLLEY INTELLIGENCE...EMPLOYMENT SCREENING SERVICES  
 480 EXPRESS INSURANCE...INSURANCE AGENCIES & BROKERAGES  
 480 INDUSTRIAL REFRIGERATION-BLR...REFRIGERATORS & FREEZERS-  
 SERVICE/REPAIR  
 480 M S GLOBAL COMMERCE LLC...NONCLASSIFIED ESTABLISHMENTS  
 480 NEW LEAF DRUG REHAB-COLUMBUS...ADDICTION TREATMENT CENTERS  
 480 ONE GERMAN VILLAGE II...REAL ESTATE  
 480 SAFEBASEMENTS OF OHIO...MASONRY CONTRACTORS  
 480 T3 PACKAGING...PACKAGING SERVICE  
 480 UNIGLOBE TRAVEL DESIGNERS...TRAVEL AGENCIES & BUREAUS  
 480 WEST ENTERPRISES INC...NONCLASSIFIED ESTABLISHMENTS  
 490 SCOTT MACKEY...RESIDENTIAL  
 492 DAN GOSS...RESIDENTIAL  
 495 KITTIES CAKES...BAKERS-RETAIL  
 496 LAWRENCE LAW OFFICE...ATTORNEYS  
 496 LAWRENCE, RODD ATY...ATTORNEYS  
 497 ASSOCIATES TITLE INC...BUSINESS SERVICES NEC  
 499 NIKO'S BARBERSHOP...BARBERS

300 GRISMER AUTO SVC CTR...AUTOMOBILE REPAIRING & SERVICE  
 300 GRISMER AUTO SVC CTR...TIREDEALERSUSED (WHLS)  
 300 GRISMER AUTO SVC CTR...TIRE-DEALERS-RETAIL  
 300 GRISMER AUTO SVC CTR...BRAKE SERVICE  
 309 FLASH BACK PHOTOGRAPHY...PHOTOGRAPHERS-PORTRAIT  
 309 FLASHBACK PHOTOGRAPHY...PHOTOGRAPHY  
 309 INSURANCEAGENTS.COM...MONEY MARKET FUNDS  
 309 KING, ERIC BRIAN...ATTORNEYS  
 309 MERCANTILE 309 LLC...GENERAL MERCHANDISE-RETAIL  
 309 MERCANTILE CONDOMINIUMS LLC...CONDOMINIUMS  
 309 OHIO SICKLE CELL & HEALTH...ECOMMERCE  
 309 OHIO SICKLE CELL & HEALTH...HEALTH INFORMATION & REFERRAL PROGRAMS  
 309 PD EYE FORENSICS LLC...ACCOUNTANTS  
 309 RODIER LAW OFFICE INC...MUSIC INSTRUCTIONVOCAL  
 309 RODIER LAW OFFICE INC...ATTORNEYS  
 309 ROSS & MIDIAN...ATTORNEYS  
 309 SULLIVAN, JOSEPH W...ARCHITECTS  
 309 TERUKO WEINBERG...NONCLASSIFIED ESTABLISHMENTS  
 330 STANTON'S SHEET MUSIC...PARTY PLANNING SERVICE  
 330 STANTON'S SHEET MUSIC...KARAOKE MACHINES & TAPES  
 330 STANTON'S SHEET MUSIC...MUSIC WRITERS SUPPLIES (WHLS)  
 330 STANTON'S SHEET MUSIC...ECOMMERCE  
 330 STANTON'S SHEET MUSIC...MUSIC DEALERS  
 330 STANTON'S SHEET MUSIC...MUSIC ARRANGERS & COMPOSERS  
 364 COLUMBUS DOWNTOWN HIGH SCHOOL...SCHOOLS  
 364 COLUMBUS DOWNTOWN HIGH SCHOOL...SCHOOLSUNIVERSITIES &  
 COLLEGES ACADEMIC  
 365 CME FEDERAL CREDIT UNION...CREDIT UNIONS  
 365 CME FEDERAL CREDIT UNION...FEDERALLY CHARTERED CREDIT UNIONS  
 495 HARVEST PIZZERIA...PIZZA  
 500 A PLUS STAFFING...EMPLOYMENT CONTRACTORS-TEMPORARY HELP  
 500 ADVANCED AUTO INSURANCE...INSURANCE  
 500 PENN SUMMIT INSURANCE...INSURANCE

401 MONROE HOUSE CO OAKWOOD MGMT...APARTMENT FINDING & RENTAL  
 SERVICE  
 443 ALTERATIONS EXPRESS...ALTERATIONS-CLOTHING  
 457 VIRTUAL OFFICE SYSTEMS...COMPUTER SOFTWARE  
 483 DAVID HAYES...RESIDENTIAL  
 497 RADMILA CHEREMOSHNYUK...RESIDENTIAL  
 498 TARIMELLA DESIGNS...GRAPHIC DESIGNERS  
 498 TARIMELLA DESIGNS...DESIGNERS

74 AMANDA POWELL...RESIDENTIAL  
74 CLAUDIES SMITH...RESIDENTIAL

22 1831 TAVERN...BARS  
22 JURY ROOM...RESTAURANTS  
24 ANDY CALLIF BAIL BONDS...BONDS-SURETY & FIDELITY  
24 ANDY CALLIF BAIL BONDS...BONDS-BAIL  
59 ST JOHN'S EVANGELICAL...CHURCHES  
112 BRENT BENNETT...RESIDENTIAL  
114 ANGELA SULLIVAN...RESIDENTIAL  
116 KEVIN CUBICK...RESIDENTIAL  
118 ROBERT MEISTER...RESIDENTIAL  
150 ATTORNEYS BARR JONES & ASSOC...ATTORNEYS  
150 BARR JONES ASSOC LLP...OFFICES OF LAWYERS  
150 BARR JONES & ASSOC LLP...ATTORNEYS  
150 BUTLER OF COLUMBUS LLC...TITLE COMPANIES  
150 CARDUCCI, MARY S...ATTORNEYS  
150 DANCY GROUP LLC...INSURANCE  
150 FERRIS FINANCIAL LLC...FEDERAL GOVERNMENT CONTRACTORS  
150 FERRIS FINANCIAL LLC...FINANCIAL ADVISORY SERVICES  
150 FLETCHER, DANIEL J...ATTORNEYS  
150 FUNDRAISING AMERICA...FUND RAISING COUNSELORS & ORGANIZATIONS  
150 GUARANTEED BROKERAGE SVC...MERCHANDISE BROKERS  
150 GUARANTEED BROKERAGE SVC...REAL ESTATE BUYERS & BROKERS  
150 GUARANTEED CONSTRUCTION SVC...CONSTRUCTION COMPANIES  
150 HEAGERTY, PATRICK J...ATTORNEYS  
150 JASON BARR...RESIDENTIAL  
150 LEWIS, JEFFREY M...BAILIFFS  
150 M TC TITLE CO...TITLE COMPANIES  
150 MAHONING VALLEY COLLABORATIVE...NONCLASSIFIED ESTABLISHMENTS  
150 MILLER, MARK S...ATTORNEYS  
150 MTC TITLE CO-DOWNTOWN...TITLE COMPANIES  
150 OHIO CASA...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
150 PDI FORENSICS...ACCOUNTANTS  
150 SECURITY RISK MANAGEMENT...SECURITY SYSTEMS CONSULTANTS  
150 TSITOURIS, CHRIS C...ATTORNEYS

324 PLAZA PROPERTIES...REAL ESTATE  
 328 MARK MILLER...RESIDENTIAL  
 330 LAWRENCE BORCHERING...RESIDENTIAL  
 332 JEFFREY BAKER...RESIDENTIAL  
 332 JOSEPH LEMMO...RESIDENTIAL  
 334 LYDIA SAHLANI...RESIDENTIAL  
 336 KARIN WALKER...RESIDENTIAL  
 341 ACCESS TO INTERPRETERS...TRANSLATORS & INTERPRETERS  
 341 ACCESS TO INTERPRETERS...FEDERAL GOVERNMENT CONTRACTORS  
 341 BLUE BLUE...ATTORNEYS  
 341 BLUE, DOUGLAS J...ATTORNEYS  
 341 GREEN REALTY...REAL ESTATE  
 341 HOMESTEAD AMERICA...REAL ESTATE  
 341 HUNTER III, JAMES K...ATTORNEYS  
 341 ISAAC BUSINESS SVC...ATTORNEYS  
 341 JAMES M SCHOTTENSTEIN CO LPA...ATTORNEYS  
 341 JOHN GILCHRIST LAW OFFICE...ATTORNEYS  
 341 NAACP...ASSOCIATIONS  
 341 NON PROFIT CTR FOR BUSINESS...BUSINESS DEVELOPMENT  
 341 SANDERS, JESSE...COUNSELORS  
 341 SELECTBRACES.COM...COMPUTER SOFTWARE  
 341 SQUIRE, PERCY...ATTORNEYS  
 341 TURKEY RUN INC...REAL ESTATE DEVELOPERS  
 341 UNITED NEGRO COLLEGE FUND INC...FUND RAISING COUNSELORS &  
 ORGANIZATIONS  
 341 WILTSHIRE CAPITAL PARTNERS LP...REAL ESTATE MANAGEMENT  
 360 COLUMBUS LEARN4LIFE...NONCLASSIFIED ESTABLISHMENTS  
 360 UNITED WAY-CENTRAL OHIO...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 360 UNITED WAY-CENTRAL OHIO...FEDERAL GOVERNMENT CONTRACTORS  
 383 JOSEPH SKILKEN REALTY INC...REAL ESTATE DEVELOPERS  
 404 BREAD ORGANIZATION...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 404 DOWNTOWNERS...PAPER PRODUCTS (WHLS)  
 404 TRINITY LUTHERAN CHURCH...CHURCHES  
 404 UHCAN OHIO...NON-PROFIT ORGANIZATIONS  
 475 KATZINGER S DELICATESSEN...RESTAURANTS  
 480 COLLEY INTELLIGENCE...EMPLOYMENT SCREENING SERVICES  
 480 COLLEY INTELLIGENCE...DETECTIVES-PRIVATE  
 480 EXPRESS INSURANCE...INSURANCE AGENCIES & BROKERAGES  
 480 HAGAN, RONALD J CPA...ACCOUNTANTS  
 480 M S GLOBAL COMMERCE LLC...NONCLASSIFIED ESTABLISHMENTS  
 480 NEW LEAF DRUG REHAB-COLUMBUS...ADDICTION TREATMENT CENTERS  
 480 ONE GERMAN VILLAGE II...REAL ESTATE  
 480 QWRK COWORKING...NONRESIDENTIAL PROPERTY MANAGERS  
 480 SAFEBASEMENTS OF OHIO...MASONRY CONTRACTORS  
 480 STABIL-LOC FOUNDATION REPAIR...MASONRY CONTRACTORS  
 480 UNIGLOBE TRAVEL DESIGNERS...TRAVEL AGENCIES & BUREAUS  
 490 SCOTT MACKEY...RESIDENTIAL  
 492 DAN GOSS...RESIDENTIAL  
 492 SPEAKMAN, MARK...FINANCIAL PLANNING CONSULTANTS  
 492 SPEAKMAN, MARK...FINANCIAL ADVISORY SERVICES  
 495 PATRICK PHILLIPS REAL ESTATE...REAL ESTATE  
 497 ASSOCIATES TITLE INC...ALL OTHER SUPPORT SERVICES  
 499 NIKO'S BARBERSHOP...BARBERS

300 GRISMER AUTO SVC CTR...AUTOMOBILE REPAIRING & SERVICE  
 300 GRISMER AUTO SVC CTR...TIRE-DEALERS-RETAIL  
 303 SUITE 143...NIGHT CLUBS  
 309 ADVANCED RECOVERY SVC...SERVICES NEC  
 309 ALL ABOARD OHIO...TRANSIT LINES  
 309 CYBER TECHNOLOGY LLC...NONCLASSIFIED ESTABLISHMENTS  
 309 FLASH BACK PHOTOGRAPHY...PHOTOGRAPHERS-PORTRAIT  
 309 FLASHBACK PHOTOGRAPHY...PHOTOGRAPHY  
 309 HOME LOANS USA...REAL ESTATE LOANS  
 309 INSURANCEAGENTS.COM...MONEY MARKET FUNDS  
 309 KING, ERIC BRIAN...ATTORNEYS  
 309 LAW OFFICE JOY MARSHALL...ATTORNEYS  
 309 MERCANTILE 309 LLC...GENERAL MERCHANDISE-RETAIL  
 309 MERCANTILE CONDOMINIUMS...LESSORS OF RESIDENTIAL BUILDINGS &  
 DWELLINGS  
 309 OHIO SICKLE CELL & HEALTH...HEALTH INFORMATION & REFERRAL PROGRAMS  
 309 PD EYE FORENSICS LLC...ACCOUNTANTS  
 309 PRO PRIVATE POLICE...POLICE DEPARTMENTS  
 309 RODIER LAW OFFICE INC...ATTORNEYS  
 309 RODIER, IAN H...ATTORNEYS  
 309 ROSS & MIDIAN...ATTORNEYS  
 309 SULLIVAN, JOSEPH W...ARCHITECTS  
 309 T BONDS...BONDS-BAIL  
 309 TACTIVE INC...BUSINESS MANAGEMENT CONSULTANTS  
 330 STANTON'S SHEET MUSIC...KARAOKE MACHINES & TAPES  
 330 STANTON'S SHEET MUSIC...MUSIC DEALERS  
 364 COLUMBUS DOWNTOWN HIGH SCHOOL...SCHOOLS  
 365 ATM...AUTOMATED TELLER MACHINES  
 365 CME FEDERAL CREDIT UNION...CREDIT UNIONS  
 365 CME FEDERAL CREDIT UNION...FEDERALLY CHARTERED CREDIT UNIONS  
 495 HARVEST PIZZERIA...RESTAURANTS  
 495 HARVEST PIZZERIA...PIZZA  
 500 PENN SUMMIT INSURANCE...INSURANCE

443 ALTERATIONS EXPRESS...ALTERATIONS-CLOTHING  
457 VIRTUAL OFFICE SYSTEMS...COMPUTER SOFTWARE  
483 DAVID HAYES...RESIDENTIAL  
497 RADMILA CHEREMOSHNYUK...RESIDENTIAL  
498 TARIMELLA DESIGNS...DESIGNERS  
498 TARIMELLA DESIGNS...GRAPHIC DESIGNERS

74 BRYAN MOSS...RESIDENTIAL  
74 GINA DAFLER...RESIDENTIAL  
74 JEFFREY TENGEA...RESIDENTIAL  
74 MICHAEL DEW...RESIDENTIAL  
74 SCOTT BARKER...RESIDENTIAL  
74 SUE DEW...RESIDENTIAL  
74 TWELCH ENTERPRISES LLC...HUMAN RESOURCE CONSULTING SVCS  
74 WYKISHA JOHNSON...RESIDENTIAL

22 JURY ROOM...FULL-SERVICE RESTAURANTS  
 24 HATCHER & ASSOC...OFFICES OF REAL ESTATE APPRAISERS  
 59 ST JOHNS EVANGELICAL...RELIGIOUS ORGANIZATION  
 101 CATHY MACY...RESIDENTIAL  
 110 RAYMOND MORELLA...RESIDENTIAL  
 114 ANGELA SULLIVAN...RESIDENTIAL  
 117 ANTHONY SABLE...RESIDENTIAL  
 118 WALTER WHEELER...RESIDENTIAL  
 120 CRHSTIE WEARLY...RESIDENTIAL  
 150 AMERITITLE AGENCY INC...INVESTMENT ADVICE  
 150 BARR JONES & HEAGERTY LLP...OFFICES OF LAWYERS  
 150 BOUND, HARRY J...INSURANCE AGENCIES & BROKERAGES  
 150 BUTLER COLUMBUS...TITLE ABSTRACT & SETTLEMENT OFFICES  
 150 CARDUCCI, MARY S...OFFICES OF LAWYERS  
 150 COLTSBRIDGE ASSET MGMT INC...OFFICES OF LAWYERS  
 150 DANCY GROUP...INVESTMENT ADVICE  
 150 DANCY GROUP...INSURANCE AGENCIES & BROKERAGES  
 150 DANCY GROUP LLC...INVESTMENT ADVICE  
 150 FLAUGHER, ROBERT A...OFFICES OF LAWYERS  
 150 FREDERICK MEISTER...RESIDENTIAL  
 150 HEAGERTY, PATRICK J...OFFICES OF LAWYERS  
 150 HUNTINGTON INSURANCE INC...INSURANCE AGENCIES & BROKERAGES  
 150 MC CLOSKEY BERNDT DANCY...OTHER CHEMICAL MERCHANT WHOLS  
 150 MEEK ARCHER...RESIDENTIAL  
 150 MEISTER, FREDERICK...OFFICES OF LAWYERS  
 150 NAVE, JOHN R...INSURANCE AGENCIES & BROKERAGES  
 150 OLD REPUBLIC...INVESTMENT ADVICE  
 150 PRUDENTIAL CRES COML RL EST...OFFICES OF REAL ESTATE AGENTS &  
 BROKERS  
 150 R BUTLER...RESIDENTIAL  
 150 SCHAEFER, CHARLES D...INSURANCE AGENCIES & BROKERAGES  
 150 STEVEN MATHLESS...RESIDENTIAL  
 150 SUSAN LANTZ...RESIDENTIAL  
 150 WEILER, ALAN R...INSURANCE AGENCIES & BROKERAGES  
 150 WEILER, STEVEN...INSURANCE AGENCIES & BROKERAGES

330 SEAN BARNES...RESIDENTIAL  
 338 GREGG LOONEY...RESIDENTIAL  
 338 JAMES TIMLIN...RESIDENTIAL  
 341 AUTOMATED CLOSING SVCS AGCY...INVESTMENT ADVICE  
 341 COLLIN THOMAS...RESIDENTIAL  
 341 FIRST AMERICAN TITLE INS CO...INVESTMENT ADVICE  
 341 FIRST AMERICAN TITLE INS CO...DIRECT TITLE INSURANCE CARRIERS  
 341 FOLKERTH HADDOW & DAVIS...OFFICES OF LAWYERS  
 341 FORTUNE TITLE AGENCY LTD...TITLE ABSTRACT & SETTLEMENT OFFICES  
 341 GEORGE KEIS...RESIDENTIAL  
 341 HADDOW, HOWARD J...OFFICES OF LAWYERS  
 341 JAMES SCHOTTENSTEIN...RESIDENTIAL  
 341 JOHN GILCHRIST LAW OFFICE...OFFICES OF LAWYERS  
 341 JOHN MAHOTA...RESIDENTIAL  
 341 KAUFMAN, JEFFREY R...OFFICES OF LAWYERS  
 341 KAUFMAN, PHILIP B...OFFICES OF LAWYERS  
 341 KEIS GEORGE LLP...OFFICES OF LAWYERS  
 341 MACMARK DEVELOPMENT CO...LAND SUBDIVISION  
 341 MAHOTA LAW GROUP...OFFICES OF LAWYERS  
 341 MEGAN FOLEY...RESIDENTIAL  
 341 MIDLAND TITLE SECURITY INC...INVESTMENT ADVICE  
 341 NAYLOR ROBERT...RESIDENTIAL  
 341 OHIO BAR TITLE INSURANCE CO...DIRECT TITLE INSURANCE CARRIERS  
 341 PHILIP KAUFMAN...RESIDENTIAL  
 341 ROBERT NAYLOR LAW OFFICE...OFFICES OF LAWYERS  
 341 SCHOTTENSTEIN LEGAL SVC...OFFICES OF LAWYERS  
 341 THOMAS, COLLIN N...OFFICES OF LAWYERS  
 341 TURKEY RUN INC...LAND SUBDIVISION  
 341 W JOSEPH EDWARDS ATTY AT LAW...OFFICES OF LAWYERS  
 360 ECKLER BRICKER...RESIDENTIAL  
 360 OHIO ASSOCIATION OF NON-PROFIT...BUSINESS ASSOCIATIONS  
 360 UNITED WAY...OTHER INDIVIDUAL & FAMILY SVCS  
 383 INDIAN OAKS APARTMENTS...LESSORS OF RESIDENTIAL BUILDINGS  
 383 JOSEPH SKILKEN & CO...LAND SUBDIVISION  
 383 JOSEPH SKILKEN ORGANIZATION...LESSORS OF RESIDENTIAL BUILDINGS  
 383 KAREN SKILKEN...RESIDENTIAL  
 383 MAX RACK...ALL OTHER MISC MFG  
 404 BREAD ORGANIZATION...CIVIL & SOCIAL ORGANIZATIONS  
 404 DOWNTOWNERS  
 404 TRINITY LUTHERAN CHURCH...RELIGIOUS ORGANIZATION  
 404 UHCAN OHIO...OTHER SOCIAL ADVOCACY ORGANIZATIONS  
 480 COLDWELL BANKER...OFFICES OF REAL ESTATE AGENTS & BROKERS  
 480 COLLEY INTELLIGENCE...INVESTIGATION SVCS  
 480 GOODSSELL, ROSALIE M...OFFICES OF REAL ESTATE AGENTS & BROKERS  
 480 HAGAN, RONALD J CPA...OFFICES OF CERTIFIED PUBLIC ACCOUNTANTS  
 480 ONE GERMAN VILLAGE II  
 481 DIANE WARREN...RESIDENTIAL  
 491 JEFF HARMAN...RESIDENTIAL  
 492 WILLI MCINTYRE...RESIDENTIAL  
 495 PATRICK PHILLIPS REAL ESTATE...OFFICES OF REAL ESTATE AGENTS &  
 BROKERS  
 496 LAWRENCE LAW OFFICE...OFFICES OF LAWYERS  
 496 LAWRENCE, RODD...OFFICES OF LAWYERS  
 496 LINDA LAWRENCE...RESIDENTIAL  
 497 SONYA WEAVER...RESIDENTIAL

300 **GRISMER AUTO SVC CTR...***GENERAL AUTOMOTIVE REPAIR*  
 309 **ALL ABOARD OHIO...***OTHER URBAN TRANSIT SYSTEMS*  
 309 **ENVIRONMENTAL REVIEW APPEALS...***AIR, WATER, & WASTE PROGRAM*  
*ADMINISTRATION*  
 309 **HOME LOANS USA...***REAL ESTATE CREDIT*  
 309 **IAN RODIER...***RESIDENTIAL*  
 309 **LEV BARINSKIY...***RESIDENTIAL*  
 309 **LEVI ASSOCIATES INSURANCE...***INSURANCE AGENCIES & BROKERAGES*  
 309 **LEVI ASSOCIATES INSURANCE...***INVESTMENT ADVICE*  
 309 **PRO PRIVATE POLICE...***SECURITY GUARDS & PATROL SVCS*  
 309 **PYRAMID APPRAISAL CONSULTANTS...***OFFICES OF REAL ESTATE AGENTS &*  
*BROKERS*  
 309 **RODIER LAW OFFICE INC...***OFFICES OF LAWYERS*  
 309 **TACTIVE INC**  
 309 **TREVOR WILLIAMS...***RESIDENTIAL*  
 309 **TRIGLYPH CO...***LAND SUBDIVISION*  
 309 **WORLD CASH NOW INC...***FINANCIAL TRANSACTION PROCESSING & CLEARING*  
 330 **STANTONS SHEET MUSIC...***MUSICAL INSTRUMENT & SUPPLIES STORES*  
 364 **FRANKLIN CNTY SHERIFF-JUVENILE...***POLICE PROTECTION*  
 365 **CME FEDERAL CREDIT UNION...***CREDIT UNIONS*  
 500 **VINCENT DUGAN...***RESIDENTIAL*

483 **NANCY LEGAN...***RESIDENTIAL*  
 487 **HIRT STEPHEN...***RESIDENTIAL*  
 489 **WOOD & ASSOC INSURANCE...***INSURANCE AGENCIES & BROKERAGES*  
 497 **RADMILA CHERMOSHNYUK...***RESIDENTIAL*

74 JEREMY MENDELSON...RESIDENTIAL  
 74 RYAN J RAMEY...RESIDENTIAL  
 74 STEPHEN E CLARY...RESIDENTIAL  
 74 TERRY D CABEEN...RESIDENTIAL

2 MARK E STAMPS...RESIDENTIAL  
 22 COURTHOUSE INC...MANAGEMENT CONSULTING SERVICES  
 22 COURTHOUSE PUB & GRILL...RESTAURANTS  
 22 JURY ROOM...RESTAURANTS  
 24 HATCHER & ASSOC INC...REAL ESTATE APPRAISERS  
 59 PAUL BAUMER...RESIDENTIAL  
 59 ST JOHNS EVANGELICAL...CHURCHES  
 59 TREMBLY C BUEHLER...RESIDENTIAL  
 61 CORNERSTONE ACADEMY...SCHOOLS  
 116 R AND D...RET USED MERCHANDISE  
 150 ACCESS HEALTH COLUMBUS...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 150 ACCESS HEALTHCOLUMBUS...UNCLASSIFIED  
 150 AMERTITLE AGENCY INC...TITLE INSURANCE AGENCY & REAL ESTATE  
 CLOSINGS  
 150 AMERTITLE DOWNTOWN...TITLE COMPANIES  
 150 BUTLER OF COLUMBUS...TITLE ABSTRACT OFFICE  
 150 BUTLER REPORT CO...TITLE COMPANIES  
 150 CITIMORTGAGE INC...FEDERAL MORTGAGE COMPANY  
 150 DANA & PARISER...LEGAL SERVICES OFFICE  
 150 DANCY GROUP...INSURANCE  
 150 DANCY GROUP LLC...EMPLOYEE BENEFITS INSURANCE  
 150 DAVID J REINIGER...RESIDENTIAL  
 150 EMA INC...ENGINEERS-PROFESSIONAL  
 150 JWL REAL ESTATE SERVICES INC...REAL ESTATE  
 150 MC CLOSKEY BERNDT DANCY...ADHESIVES & GLUES (WHOLESALE)  
 150 OLD REPUBLIC...TITLE INSURANCE AGENCY  
 150 ROGER L JR CONNOR...RESIDENTIAL  
 150 STEVEN MATHLESS...ATTORNEYS

341 ALLIANCE FOR DEMOCRACY...NON-PROFIT ORGANIZATIONS  
 341 AUTOMATED CLOSING SVCS AGCY...PERFORMS TITLE SERVICES INCLUDING  
 TITLE INSURANCE & TIT  
 341 CASE AMERICA...POLITICAL ORGANIZATIONS  
 341 COLLIN N THOMAS...ATTORNEYS  
 341 COLUMBUS INSTITUTE FOR...NEWSPAPERS (PUBLISHERS)  
 341 DELMONTE LIMITED PARTNERSHIP...NONRESIDENTIAL BUILDING OPERATOR  
 341 FIRST AMERICAN MIDLAND CELTIC...TITLE COMPANIES  
 341 FIRST AMERICAN TITLE INS CO...INSURANCE-TITLE  
 341 JOHN GILCHRIST LAW OFFICE...ATTORNEYS  
 341 KEIS GEORGE LLP...ATTORNEYS  
 341 MACMARK DEVELOPMENT CO...SUBDIVIDER/DEVELOPER  
 341 MAHOTA & CARTER...ATTORNEYS  
 341 MAHOTA LAW GROUP...ATTORNEYS  
 341 MEGAN D FOLEY...ATTORNEYS  
 341 MIDLAND TITLE SECURITY INC...TITLE INSURANCE CARRIER TITLE ABSTRACT  
 OFFICE  
 341 OHIO BAR TITLE CO...TITLE COMPANIES  
 341 OHIO BAR TITLE INSURANCE CO...INSURANCE-TITLE  
 341 PHILIP B KAUFMAN...ATTORNEYS  
 341 PRO SE PUBLISHING CO...BOOKS-PUBLISHING/PRINTING  
 341 ROBERT NAYLOR ATTORNEY AT LAW...ATTORNEYS  
 341 SCHOTT VENTURES LTD...NONCLASSIFIED ESTABLISHMENTS  
 341 SCHOTTENSTEIN CO...ATTORNEYS  
 341 TURKEY RUN INC...REAL ESTATE INVESTMENTS  
 341 WOLMAN GENSHAFT & GELLMAN...LEGAL SERVICES OFFICE  
 360 OHIO ASSOCIATION OF NON-PROFIT...ASSOCIATIONS  
 360 OPERATION FEED...SOCIAL SERVICES  
 360 UNITED WAY...SOCIAL SERVICE & WELFARE ORGANIZATIONS  
 383 INDIAN OAKS APARTMENTS...APARTMENTS  
 383 JOSEPH SKILKEN & CO...REAL ESTATE DEVELOPERS  
 383 JOSEPH SKILKEN REALTY...REAL ESTATE DEVELOPERS  
 404 BREAD ORGANIZATION...COMMUNITY ORGANIZATIONS  
 404 DOWNTOWNERS...NONCLASSIFIED ESTABLISHMENTS  
 404 JAMES SCHMIDT...RESIDENTIAL  
 404 OLD TRINITY...LUTHERAN CHURCH  
 404 TRINITY LUTHERAN CHURCH...CHURCHES  
 404 UHCAN OHIO...NON-PROFIT ORGANIZATIONS  
 475 KATZINGER S DELICATESSON...RESTAURANT  
 475 KATZINGERS DELI...DELICATESSEN  
 480 COLDWELL BANKER KING THOMPSON...REAL ESTATE  
 480 D ALBERTO TEAM INC...REAL ESTATE  
 480 KING THOMPSON...REAL ESTATE  
 480 RONALD J HAGAN CPA...ACCOUNTANTS  
 480 STEPHENS ASSOC LTD...BUSINESS MANAGEMENT CONSULTANTS  
 491 BRENT W CLASS...RESIDENTIAL  
 492 AMERICAN EXPRESS FINANCIAL ADV...FINANCIAL PLANNING CONSULTANTS  
 492 AMERIPRISE FINANCIAL...FINANCIAL PLANNING CONSULTANTS  
 492 FERRIS MIKE MANAGEMENT...REAL ESTATE AGENCY OPERATES & MANAGES  
 APARTMENTS  
 492 MICHAEL J PEREZ & ASSOC...FINANCIAL PLANNING CONSULTANTS  
 492 MICHAEL PHILLIPS & ASSOC...ESTATE PLANNING  
 492 MIKE FERRIS PROPERTIES INC...APARTMENTS  
 493 AL E JR RODRIGUEZ...RESIDENTIAL  
 495 A 1 ACUPUNCTURE INC...ACUPUNCTURE  
 495 PATRICK PHILLIPS REAL ESTATE...REAL ESTATE  
 496 LAWERENCE LAW OFFICE...LEGAL SERVICES OFFICE  
 496 LAWRENCE LAW OFFICE...ATTORNEYS  
 496 LAWRENCE LINDA JURGENS...LEGAL SERVICES OFFICE  
 496 LINDA J ESQ LAWRENCE...RESIDENTIAL  
 496 LINDA J LAWRENCE...RESIDENTIAL  
 496 NETECH COMMUNICATIONS LLC...COMMUNICATION SERVICES  
 496 RODD S LAWRENCE...RESIDENTIAL  
 497 BRINDA GORE...RESIDENTIAL  
 497 LISA M GIBBS...RESIDENTIAL

300 GRISMER TIRE...GENERAL AUTO REPAIR RET AUTO/HOME SUPPLIES  
 309 309 SOUTH FOURTH LLC...REAL ESTATE AGENT/MANAGER  
 309 ALL ABOARD OHIO...TRANSIT LINES  
 309 BFG COMMUNICATIONS...COMMUNICATIONS  
 309 CAPITAL CITY TRANSIT COALITION...TRANSIT LINES  
 309 CARLYLES WATCH...WATCHES-DEALERS  
 309 EAGLE ASSET MANAGEMENT GROUP...INVESTMENT MANAGEMENT  
 309 ENVIRONMENTAL REVIEW APPEALS...STATE GOVERNMENT-  
 ENVIRONMENTAL PROGRAMS  
 309 GARY A ARCH BRUCK...RESIDENTIAL  
 309 GLOBAL TECH...NONCLASSIFIED ESTABLISHMENTS  
 309 HAMILTON HEALTH CARE & MEDICAL...HELP SUPPLY SERVICE HOME  
 HEALTH CARE SERVICE MGMT CONSU  
 309 HIGHLAND CONSULTING...CONSULTANTS-BUSINESS NEC  
 309 IAN H RODIER LAW OFFICE...ATTORNEYS  
 309 JOSEPH W ARCH SULLIVAN...RESIDENTIAL  
 309 LEVI ASSOCIATES INSURANCE...INSURANCE  
 309 MILK CRATE CONCEPTS LLC...UNCLASSIFIED  
 309 PRO PRIVATE POLICE TRAINING...SECURITY GUARD & PATROL SERVICE  
 309 PYRAMID APPRAISAL CONSULTANTS...REAL ESTATE  
 309 STAY BEAT STUDIOS...NONCLASSIFIED ESTABLISHMENTS  
 309 STEPHEN M HANDLER CO...REAL ESTATE  
 309 T W INC...HOME IMPROVEMENTS  
 309 TACTIVE INC...NONCLASSIFIED ESTABLISHMENTS  
 309 THOMAS FORTIN & CO INC...NONCLASSIFIED ESTABLISHMENTS  
 309 TRIGLYPH CO...NONCLASSIFIED ESTABLISHMENTS  
 330 STANTONS SHEET MUSIC...MUSIC DEALERS  
 365 C M E FEDERAL CREDIT UNION...FEDERAL CREDIT UNION LOAN BROKER  
 461 AMY E MULLINS...RESIDENTIAL  
 500 VINCENT A DUGAN LAW OFFICES...ATTORNEYS

489 CARLA BERG...RESIDENTIAL  
495 ANTHONY THOMAS CANDY INC...CANDY & CONFECTIONERY-RETAIL  
495 DAVID M WARD...RESIDENTIAL  
495 K A POCTA...RESIDENTIAL

74 C D CRAIG...RESIDENTIAL  
74 JESSE BURGESS...RESIDENTIAL  
74 M SCRANTON...RESIDENTIAL  
74 P HILL...RESIDENTIAL

22 COURTHOUSE PUB & GRILL...*STEAK AND BARBECUE RESTAURANTS*  
 24 DAVID R HATCHER & ASSOC  
 24 KEN MOLLIKA VALUATION SVC  
 59 PAUL DGN CLRGY BAUMER...*RESIDENTIAL*  
 59 ST JOHN'S EVANGELICAL  
 59 TREMBLY DGN CLERGY BUEHLER...*RESIDENTIAL*  
 61 CORNERSTONE ACADEMY  
 150 ALAN R INS WEILER...*RESIDENTIAL*  
 150 AMERITITLE  
 150 ARCHER MEEK WEILER INC...*FIDELITY INSURANCE*  
 150 BOUND HARRY J  
 150 BUTLER REPORTS  
 150 CHAS INS SCHAEFER...*RESIDENTIAL*  
 150 CONNOR JR ROGER L ATTY  
 150 CROWN SEARCH SVC  
 150 DANCY GROUP  
 150 EMA INC  
 150 HARRY J INS BOUND...*RESIDENTIAL*  
 150 JWL REAL ESTATE SVC  
 150 LANTZ SUSAN M ATTY  
 150 MC CLOSKEY BERNDT DANCY...*ALCOHOLS AND ANTI-FREEZE COMPOUNDS*  
 150 MEISTER FREDERICK ATTY...*FINISHING SERVICES*  
 150 OLD REPUBLIC TITLE AGENCY  
 150 ORDER DONALD P INS VAN...*RESIDENTIAL*  
 150 PANITCH HARRY ATTY  
 150 REINIGER ROBBINS FINANCIAL GRP  
 150 RICHARD P INS SMITH...*RESIDENTIAL*  
 150 SCHAEFER CHARLES D  
 150 SDNC & PARTNERS  
 150 STEVEN M INS WEILER...*RESIDENTIAL*  
 150 VAN ORDER DONALD P  
 150 WEILER ALAN R  
 150 WEILER STEVEN

341 ACS TITLE & CLOSING SVC  
 341 FOLKERTH HADDOW & DAVIS  
 341 GELLMAN SUSAN B ATTY  
 341 HADDOW HOWARD J ATTY  
 341 JOHN GILCHRIST LAW OFFICE  
 341 JOHN J RL EST RANFT...*RESIDENTIAL*  
 341 KAUFMAN PHILIP B ATTY  
 341 LEGRAND BORNSTEIN & NAYLOR  
 341 MACMARK DEVELOPMENT CO  
 341 MAHOTA & CARTER  
 341 MIDLAND CELTIC TITLE GROUP  
 341 NOBILE JAMES ATTY  
 341 NOBILE NEEDLEMAN & THOMPSON  
 341 SCHOTTENSTEIN LAW OFFICES  
 341 THOMPSON MATTHEW ATTY  
 341 WOLMAN BENSON A ATTY  
 341 WOLMAN GENSHAFT & GELLMAN  
 341 UNITED WAY  
 360 JOSEPH SKILKEN & CO  
 383 DOWNTOWNERS  
 404 JAS REV SCHMIDT...*RESIDENTIAL*  
 404 ROBT & RACHEL RUCK...*RESIDENTIAL*  
 404 TRINITY LUTHERAN CHURCH  
 480 COLDWELL BANKER KING THOMPSON  
 480 COLLEY INVESTIGATIONS INC...*GROWERS' ASSOCIATIONS*  
 480 GOODSSELL ROSALIE M  
 490 JOHN & JOANNE DALLEPEZZE...*RESIDENTIAL*  
 491 GRAHAM CHALFANT...*RESIDENTIAL*  
 492 CARTOON BOOKS...*NEWSLETTER PUBLISHING*  
 495 DRAIN PROFESSIONALS...*TANK REPAIR AND CLEANING SERVICES*  
 495 GUARANTEED PLUMBING & DRAIN...*TANK REPAIR AND CLEANING SERVICES*  
 495 PATRICK PHILLIPS REALTOR  
 496 LAWRENCE LAW OFFICE  
 497 BRINDA GORE...*RESIDENTIAL*  
 497 DANIEL BURNS...*RESIDENTIAL*  
 497 JEREMY DODGION...*RESIDENTIAL*  
 499 THOMPSON'S HAUS OF ANTIQUES...*ANTIQUES*

300 GRISMER...ENGINE REPAIR  
 309 CAPITAL CITY TRANSIT COOLITION...STREET AND TROLLEY CAR  
 TRANSPORTATION  
 309 GLOBAL TECH  
 309 GRAND DESIGN GROUP...INSPECTION AND TESTING SERVICES  
 309 INFOMAVEN  
 309 LEVI ASSOCIATES INSURANCE  
 309 SULLIVAN GRAY BRUCK ARCH INC  
 309 SULLIVAN JOSEPH W  
 309 TRIGLYTH COS  
 330 STANTON'S SHEET MUSIC  
 364 FRANKLIN CNTY SHERIFF-JUVENILE  
 364 FRANKLIN CNTY SHERIFF-WARRANTS  
 364 FRANKLIN COUNTY SHERIFF-DTCTV  
 365 CME FEDERAL CREDIT UNION  
 495 DER TOPS

447 DANTE'S PIZZA II  
 451 CROWN BEER & WINE DRIVE THRU  
 463 CONTOURS EXPRESS LADIES ONLY...PHYSICAL FITNESS CLUBS WITH  
 TRAINING EQUIPMENT  
 483 HAYES DAVID DDS...SPECIALIZED DENTAL PRACTITIONERS  
 483 LAZELLE FAMILY DENTAL CARE...SPECIALIZED DENTAL PRACTITIONERS  
 483 MITCH MONNIN...RESIDENTIAL  
 483 ROSADO YVONNE C DDS...SPECIALIZED DENTAL PRACTITIONERS  
 489 KIRK MCCOY...RESIDENTIAL  
 489 MICHAEL METZGER...RESIDENTIAL  
 495 CRUISE DOCK  
 495 PENELOPE RUSNACK...RESIDENTIAL  
 497 ROXANNE D SIBERT...RESIDENTIAL  
 499 TAN IT INC

74 C D CRAIG...RESIDENTIAL  
 74 CURTIS D GOETZ...RESIDENTIAL  
 74 JESSE BURGESS...RESIDENTIAL  
 74 M SCRANTON...RESIDENTIAL  
 74 P HILL...RESIDENTIAL

22 COURTHOUSE PUB & GRILL  
 24 DAVID R HATCHER & ASSOC  
 24 KEN MOLLICA VALUATION SVC  
 59 PAUL DGN CLRGY BAUMER...RESIDENTIAL  
 59 ST JOHN'S EVANGELICAL  
 59 TREMBLY DGN CLERGY BUEHLER...RESIDENTIAL  
 150 ALAN R INS WEILER...RESIDENTIAL  
 150 AMERITITLE  
 150 ARCHER MEEK WEILER INC  
 150 CHAS INS SCHAEFER...RESIDENTIAL  
 150 CONNOR JR ROGER L ATTY  
 150 CORE TITLE AGENCY LTD  
 150 DIROSARIO ROBERT P ATTY  
 150 DONALD P INS VAN ORDER...RESIDENTIAL  
 150 HARRY J INS BOUND...RESIDENTIAL  
 150 JWEL REAL ESTATE SVC  
 150 LANTZ SUSAN M ATTY  
 150 MC CLOSKEY BERNDT DANCY INC  
 150 MEISTER FREDERICK ATTY  
 150 OLD REPUBLIC TITLE AGENCY  
 150 RICHARD P INS SMITH...RESIDENTIAL  
 150 SCHAEFER CHARLES D  
 150 SOURCE ONE MORTGAGE SVC CORP  
 150 STEVEN M INS WEILER...RESIDENTIAL  
 150 THOMAS W CONNOR & ASSOC  
 150 VAN ORDER DONALD P  
 150 WEIDNER & ASSOC INC  
 150 WEILER ALAN R  
 150 WEILER STEVEN

341 BORNSTEIN MICHAEL ATTY  
 341 GELLMAN SUSAN B ATTY  
 341 JOHN GILCHRIST LAW OFFICE  
 341 JOHN J RL EST RANFT...RESIDENTIAL  
 341 LAW OFCS BROWNFIELD...RESIDENTIAL  
 341 MACMARK DEVELOPMENT CO  
 341 MAHOTA & CARTER  
 341 OHIO BAR TITLE INSURANCE CO  
 341 SCHOTTENSTEIN LAW OFFICES  
 341 SLOWIK DONALD C ATTY  
 341 WOLMAN BENSON A ATTY  
 341 WOLMAN GENSHAFT & GELLMAN  
 360 2000 TOGETHER...RESIDENTIAL  
 360 UNITED WAY  
 383 DISPOSABLE INCOME INC  
 383 JOSEPH SKILKEN ORGANIZATION  
 404 DOWNTOWNERS...RESIDENTIAL  
 404 JAS REV SCHMIDT...RESIDENTIAL  
 404 ROBT & RACHEL RUCK...RESIDENTIAL  
 404 TRINITY LUTHERAN CHURCH  
 480 COLLEY INVESTIGATIONS INC  
 480 GOODSSELL ROSALIE M  
 480 KING THOMPSON  
 480 STEPHENS ASSOCIATES LTD  
 490 JOHN & JOANNE DALLEPEZZE...RESIDENTIAL  
 491 GRAHAM CHALFANT...RESIDENTIAL  
 492 CARTOON BOOKS  
 495 MIDWEST QUILT EXCHANGE  
 495 PATRICK PHILLIPS REALTOR  
 496 LAWRENCE LAW OFFICE  
 497 BRINDA GORE...RESIDENTIAL  
 497 DANIEL BURNS...RESIDENTIAL  
 497 JEREMY DODGION...RESIDENTIAL  
 499 THOMPSON'S HAUS OF ANTIQUES

300 GRISMER TIRE CO  
 309 SULLIVAN GRAY BRUCK ARCH INC  
 309 SULLIVAN JOSEPH W  
 330 STANTON'S SHEET MUSIC  
 364 FRANKLIN CNTY SHERIFF-JUVENILE  
 364 FRANKLIN CNTY SHERIFF-WARRANTS  
 364 FRANKLIN COUNTY SHERIFF-DTCTV  
 365 CME FEDERAL CREDIT UNION  
 495 ARTISAN ATTIC  
 500 GOVERNMENT SOLUTIONS GROUP  
 500 OHIO PRECAST CONCRETE ASSN

447 DANTE'S PIZZA II  
451 CROWN BEER & WINE DRIVE THRU  
483 LAZELLE FAMILY DENTAL CARE  
483 MITCH MONNIN...*RESIDENTIAL*  
489 ALLSTATE INSURANCE  
489 KIRK MCCOY...*RESIDENTIAL*  
489 MICHAEL METZGER...*RESIDENTIAL*  
495 CRUISE DOCK  
495 PENELOPE RUSNACK...*RESIDENTIAL*  
497 ROXANNE D SIBERT...*RESIDENTIAL*  
499 TAN IT INC

69 XXXX  
74 MULTI TENANT RESIDENTIAL  
180 XXXX  
519 FURMAN SANDRA MENDEL ATTY  
519 LINK PROCESSOR INC

22 JURY ROOM LOUNGE  
 24 HATCHER DAVID R &ASC  
 24 MOLLICA KEN VALUATION SERVICE  
 44 LIND JOHN C JR  
 44 LIND URSULA  
 59 BAUMER PAUL CLGY  
 59 BUEHLER TREMBLY DGN CLERGY  
 59 ST JOHN'S EVANGELICAL PRSTNT  
 72 CORNS BRYAN  
 72 CORNS MANLYN  
 116 XXXX  
 150 AMERTITLE  
 150 ARCHER MEEK WEILER INS  
 150 ASSOCTD ESTATES REALTY  
 150 BERNOT DAN CLU  
 150 BOUND HARRY J INS  
 150 BUILDING  
 150 CONNOR ROGER L JR ATTY  
 150 CONNOR THOS W&ASSOCS ATTYS  
 150 DANCY S CLU  
 150 DIROSARIO LEWIS J ATTY  
 150 DIROSARIO ROBT P ATTY  
 150 FAORO THERESE M ATTY  
 150 HADLEY ROBERT G CPCU  
 150 LANTZ SUSAN M ATTY  
 150 MCCLOSKEY BERNOT DANCY INC  
 150 MCCLOSKEY J M CLU  
 150 MEISTER FREDERICK ATTY  
 150 MN TITLE AGENCY DOWNTOWN  
 150 OLD REPUBLIC TITLE AGENCY  
 150 RIGGS WARREN G ATTY  
 150 SCHAEFER CHAS INS  
 150 SCIOTO TITLE AG INC  
 150 SMITH RICHARD P INS  
 150 SOURCE ONE MRTG SRV  
 150 VANORDER DONALD P INS  
 150 WEDNER AND ASSOCS INC  
 150 WEILER ALAN R INS  
 150 WEILER STEVEN M INS  
 150 WEILERARCHERMEEK INS AGCY  
 150 WELERSTEVEN M INS  
 150 WHEATLEY JOHN C ATTY  
 150 WINTERS CHAS W ATTY  
 151 XXXX  
 183 XXXX  
 395 A ZIEBART TIDY CAR

289 USA MOBILE  
 341 ACS TITLE AND CLOSING SV  
 341 AUTOMTD CLOSING SERVICE AG INC  
 341 BROWNFIELD LAW OFCS  
 341 BROWNFIELD LYMAN ATTY  
 341 BUILDING  
 341 CENTER FOR STUDY HMN INTRACTN  
 341 GELLMAN SUSAN B ATTY  
 341 GENSHAFT NELSON E ATTY  
 341 GILCHRIST JOHN ATTY  
 341 KRUPMAN VICTOR S ATTY  
 341 MACMARK DEVL P CO  
 341 MICHAEL JAY E ATTY  
 341 OH BAR TITLE INS CO COML DIV  
 341 OH BAR TITLE INS CO CORP HDQ  
 341 REED JOS D ATTY  
 341 ROTH WILLIAM R RELATOR  
 341 SCHOTTENSTEIN JAMES M ATTY  
 341 SCHOTTENSTEIN TRENEFF & WILLIAMS  
 341 TRENEFF CRAIG P ATTY  
 341 WILLIAMS CHARLES T ATTY  
 341 WOLMAN BENSON A ATTY  
 341 WOLMAN GENSHAFT & GELLMAN ATTYS  
 360 COLS AREA COUNCIL ALCHOLISM  
 360 METRO HUMAN SERVS COMMISSION  
 360 UNITD WAY  
 360 UNITD WAY INFO & REFERRAL SV  
 383 SKILKEN JOS & CO  
 383 SKILKEN JOS ORGNZTN  
 390 XXXX  
 404 DOWNTOWNERS  
 404 SCHMIDT JAS REV  
 404 TRINITY EVANGELICAL LUTH CH  
 475 KATZINGER'S CATERING & GFT BSKTS  
 475 KATZINGER'S DELICATESSEN  
 480 KING THOMPSON RLTRS  
 480 ROOSE MULLETT CO  
 480 STEPHENS ASSOCIATES LTD  
 481 ANDERSON SUSAN J  
 481 SMITH JANINE M  
 487 1/2 ATKINSON M  
 490 DALLEPEZZE JOANNE  
 490 DALLEPEZZE JOHN  
 491 1/2 DAVIDSON J  
 491 HUTFUES BRIAN  
 491 STRAYER MARY JO  
 492 XXXX  
 495 MIDWEST QUILT EXCH  
 495 PHILLIPS P RLTRGRMN VLG OFC  
 496 LAWRENCE LINDA J  
 496 LAWRENCE LINDA JUERGENS ESQ  
 496 LAWRENCE ROOD S  
 497 MULTI TENANT RESIDENTIAL  
 499 THOMPSON'S HAUS OF ANTIQUES  
 502 ALBERT ANGELA F ATTY  
 502 BOLON THOS M ATTY  
 502 FRIEDMAN THOMAS E ATTY  
 502 MADISON TIMOTHY G ATTY  
 502 SERROTT MARK A ATTY  
 502 YAVITCH ERIC J ATTY

268 YESTERYEAR ANTIQUES & FINE ART  
275 XXXX  
300 GRISMER TIRE CO DOWNTOWN  
309 OH ST STDNT AID INF  
309 OH ST STONT AID  
315 XXXX  
330 STANTON'S SHEET MUSIC  
349 XXXX  
364 FRANKLN CO SHRFF DETECTIVE BUR  
364 FRANKLN CO SHRFF JUVENILE BUR  
365 CME FEDERAL CREDIT UNION  
365 CME FEDERAL CROT UN AUDI CHEK  
365 COLS CTY CREDIT UN  
386 XXXX  
495 XXXX  
500 SCREEN MACHINE AD  
501 1/2 CALLOWAY ERNEST

415 XXXX  
483 THOMPSON KENNETH B  
485 XXXX  
489 GARAS WAEI  
489 MADDEN PAUL  
489 SHELTON JASON  
495 POCTA KA  
495 RUSNACK PENELOPE  
497 LOUCKS NICOLE  
504 LAMARCHE SUSAN

69 XXXX  
 74 MULTI TENANT RESIDENTIAL  
 180 METRO EDCTNL COUNCL  
 180 OH ST EDUC CMPTR SV  
 180 SHERRIS  
 519 SHAW BARTON

22 1/2 HATCHER DAVID R  
 22 1/2 HATCHER DAVID R & ASC  
 22 1/2 MCCABE TIM & CO  
 22 JURY ROOM LOUNGE  
 50 BUILDING  
 50 FRANKLN CO ATY JVNL  
 50 FRANKLN CO CLK SPRT  
 50 FRANKLN CO CT JUDGE  
 50 FRANKLN CO CT JUVNL  
 59 BAUMER PAUL  
 59 BUEHLERTREMBLY LORI  
 59 ST JOHNS EVNGLCL CH  
 116 BROWN S  
 150 AMERITITLE  
 150 ARCHER MEEK WEILER  
 150 BERNDT DAN CLU  
 150 BOUND HARRY J INS  
 150 BUCKEYE ABSTRCT & TTL  
 150 BUILDING  
 150 CONNOR R L JR ATTY  
 150 CONNOR THOS W ATTY  
 150 CRAFTSMAN PRINTING  
 150 DANCY S CLU  
 150 DIROSARIO L J ATTY  
 150 DIROSARIO ROBT ATTY  
 150 ESTATES MORTG CO  
 150 FAORO THERESE ATTY  
 150 FIREMANS FUND MRTG  
 150 HARMON HARTLEY INS  
 150 HIGHLAND PRODUCTION  
 150 JONES RAYMOND R  
 150 LANTZ DUANE F ATTY  
 150 LANTZ SUSAN M ATTY  
 150 MASON JAS W ATTY  
 150 MATHEWS G B ATTY  
 150 MCCLOSKEY BERNDT  
 150 MCCLOSKEY J M CLU  
 150 MN TITLE AGENCY  
 150 MN TITLE INS CO  
 150 OBRIEN CHAS F ATTY  
 150 PETTORINI JACK ATTY  
 150 PETTORINI JOHN ATTY  
 150 POSTLEWAITE C ATTY  
 150 POSTLEWAITE WM ATTY  
 150 RIGGS WARREN G ATTY  
 150 SCHAEFER CHAS  
 150 SCIOTO TITLE AGCY  
 150 SMITH RICHARD P  
 150 SMITH SCOTT E ATTY  
 150 VANORDER DONALD P  
 150 WEAVER ROGER L ATTY  
 150 WEILER ALAN R  
 150 WEILER ARCHER MEEK  
 150 WHEATLEY JOHN ATTY  
 150 WHITELAW ENT  
 150 WINTERS CHAS W ATTY  
 151 XXXX  
 183 OH ST ADM SVS PRNTG  
 395 A L E C ROOFING  
 395 ZIEBART CAR IMPRVMT

## 73 total records. Part 1 of 2

289 MAGNIFETE  
 341 A C S  
 341 A C S TTL & CLSG SERV  
 341 AUTOMTD CLOSING SV  
 341 FISHER GEO V ATTY  
 341 GILCHRIST JOHN ATTY  
 341 INTEGRITY TITLE AG  
 341 KRUMM SCHWENKR ATTY  
 341 OH BAR TITLE INS CO  
 341 REPATH E & S AGCY OH  
 341 SCHOTTENSTEIN  
 341 SCHOTTENSTEN J ATTY  
 341 SCHWENKER JOHN ATTY  
 341 SHERIDAN & BARTON CPA  
 341 SKROBOT DAVID ATTY  
 341 TRENEFF CRAIG ATTY  
 341 WILLIAMS CHAS ATTY  
 343 XXXX  
 360 A C L U OF OH  
 360 A R C OH  
 360 ALCOHOLISM COLUMBUS  
 360 ALGER ELINOR ATTY  
 360 AMER ASSN UNIV PRO  
 360 AMER CIVIL LIBERTS  
 360 ASSOCTN RTRD CTZNS  
 360 COLS CNCL ALCOHOLSM  
 360 FAMILY FIRST  
 360 METRO HUMAN SV CMSN  
 360 UNITD WAY  
 360 UNITD WAY INFO  
 363 XXXX  
 365 XXXX  
 370 XXXX  
 383 SKILKEN JOS & CO  
 383 SKILKEN JOS ORGNZTN  
 404 DOWNTOWNERS  
 404 SMITLEY CHAS OMAR  
 473 XXXX  
 475 KATZINGERS CATERING  
 475 KATZINGERS DELCTSNS  
 479 XXXX  
 481 FELKNER HF  
 481 FISCHER RALPH E  
 483 XXXX  
 487 1/2 HARRIS C J  
 487 BUBUTIEV JIM  
 490 ECHELE ROBT C  
 490 GEASE ROBT  
 490 POWERS MARK A  
 491 1/2 JORGENSEN EDW  
 491 WILFORD BARRY  
 492 BERNARD LAW OFC  
 492 BROWN PHILIP F ATTY  
 492 CHORPENNING B ATTY  
 492 CHORPENNING GOOD  
 492 GOLIAN JOSEPH ATTY  
 492 GOOD ELIOTT R ATTY  
 492 JAMES PETER K ATTY  
 492 NEWMARK LISA M ATTY  
 492 PANDORA GARY J ATTY  
 493 WOODS L T  
 495 CRAYCRAFT RANDALL  
 495 FARMERS INS CRAYCFT  
 495 MIDWEST QUILT EXCH  
 495 PHILLIPS PATK RLTR  
 496 XXXX  
 497 MULTI TENANT RESIDENTIAL  
 499 THOMPSONS HAUS ANTO  
 502 BOLON GORDON K ATTY

## Part 2 of 2

502 BOLON THOS M ATTY  
 502 FRIEDMAN THOS ATTY  
 502 MARK H AULTMAN ATTY  
 502 NEUSTADT R E & ASSOCS

268 STAR NELSON FURN  
268 YESTERYEAR ANTIQUES  
275 XXXX  
300 TIRE CENTERS INC  
309 BUILDING  
309 OH ST STDNT LN ADM  
309 OH ST STDNT LN CLMS  
309 OH ST STDNT LN DP  
309 OH ST STDNT LN FSCL  
309 OH ST STDNT LN LGL  
309 OH ST STDNT LN PRCS  
309 OH ST STDNT LN RCRD  
309 OH ST STDNT LN REPY  
309 OH ST STONT LN INFO  
315 XXXX  
330 STANTONS SHT MUSIC  
349 XXXX  
364 OH ST ADM SVS DIR  
364 OH ST ADM SVS PRCHS  
365 C M E FED CREDIT UN  
365 COLS CTY CRDT UNION  
386 XXXX  
495 TREGELUS COLLECTION  
500 DEHLENDORF M A & CO  
500 HAWK JAMES H & ASCTS  
501 1/2 BAIER PHILIP C  
501 JOHNSTON M K

415 XXXX  
483 XXXX  
485 BRADSHAW V J  
489 BARKER DONALD J  
489 CARLE PAT  
489 FISHER ERIC J  
497 XXXX  
504 LAMARCHE SUSAN

69 XXXX  
 74 MULTI TENANT RESIDENTIAL  
 180 BOBS COFFEE SHOP  
 180 METROPLTN EDUC CNCL  
 180 OH ST EDUC CMPTR SV  
 180 OH ST GOVNA NTRY PB  
 401 XXXX  
 412 XXXX  
 418 XXXX  
 444 LEWIS FRED FRUIT CO

22 1/2 HATCHER DAVID R  
 22 JURY RM LOUNGE  
 50 FRANKLN CO ATY JVNL  
 50 FRANKLN CO CLK SPRT  
 50 FRANKLN CO CT CASHR  
 50 FRANKLN CO CT CHPLN  
 50 FRANKLN CO CT JUDGE  
 50 FRANKLN CO CT JUVNL  
 50 MULTI TENANT RESIDENTIAL  
 59 ST JOHNS EVNGLCL CH  
 150 BOUND HARRY JINS  
 150 BUCKEYE ABSTRCT & TTL  
 150 BUILDING  
 150 CARLISLE BIRGE LPA  
 150 COMMWLTH LAND INS  
 150 CONNER DAVID A ATTY  
 150 CONNOR & CONNOR ATTYS  
 150 CONNOR CHAS E ATTY  
 150 CONNOR THOS W ATTY  
 150 CONRAN PROPERTIES  
 150 CONTL TITLE INS AG  
 150 DICKINSON LANCE & CO  
 150 DIROSARIO ROBT ATTY  
 150 EHRIE DENNIS B LPA  
 150 EISENMAN SUSAN ATTY  
 150 ESTATES MORTG CO  
 150 FIDELITY SERV INC  
 150 GREENFIELD PRINTING  
 150 HARMON HARTLEY INS  
 150 KRISIEWICZ C CPA  
 150 KRISIEWICZ MCCOY & CO  
 150 MACKIN JAMES L ATTY  
 150 MANUFACTURERS HANVR  
 150 MASON JAS W ATTY  
 150 MCCOY WALLACE E CPA  
 150 MN TITLE INSURANCE  
 150 MOTOR TRAVEL MAGZN  
 150 MOTORIST MAGAZINE  
 150 MULTI TENANT RESIDENTIAL  
 150 OH TITLE CORP COLS  
 150 PAINE JEFFREY ATTY  
 150 POSTLEWAITE CATTY  
 150 POSTLEWAITE D ATTY  
 150 POSTLEWAITE WM ATTY  
 150 PRESS LAWRENCE ATTY  
 150 RIGGS WARREN G ATTY  
 150 ROTH BRUCE ATTY  
 150 SCIOTO TITLE AGCY  
 150 TITLE INS CO  
 150 UTZ RICHARD A ATTY  
 150 VANCAMP GARY CPA  
 150 WHEATLEY JOHN ATTY  
 150 WINTERS CHAS W ATTY  
 151 XXXX  
 183 OH ST ADM SVS PRNTG  
 395 ALEC ROOFING  
 395 VYNATOP CENTRL SEAT

274 1/2 CENTRL CREDIT CNTRL  
 274 GEORGIS PLACE  
 341 CHAKERES DAVID ATTY  
 341 LACEY DANIEL P CPA  
 341 NORTHSTEPPE GROUP  
 341 SCHOTTENSTEIN JAMES  
 341 SCHOTTENSTN D ATTY  
 343 XXXX  
 360 ALCOHOLISM COLUMBUS  
 360 ALGER ELINOR ATTY  
 360 AMER ASSN UNIV PRO  
 360 AMER CIVIL LIBERTS  
 360 ASSOCTN RTRO CTZNS  
 360 BASOM & HIRSCH ATTYS  
 360 BASOM LEWIS E ATTY  
 360 BRENNAN RICH D ATTY  
 360 CAMPBELL BRUCE ATTY  
 360 CHESSIE SYS ACCNTS  
 360 CHESSIE SYS SLS MGR  
 360 CHESSIE SYS TRACING  
 360 COLS AREA CNCL ALCH  
 360 FAMILY FIRST  
 360 FAMILY SERV COUNCIL  
 360 HIRSCH BRUCE LATTY  
 360 HOLLAND DON C ATTY  
 360 LEAGUE AGNST ABUSE  
 360 METROPLTN HUMAN SRV  
 360 MOUND & THIRD BLDG  
 360 MULTI TENANT RESIDENTIAL  
 360 OH ASSN CHLD CRG AG  
 360 OH COALITION DEATH  
 360 OH MOCK TRIAL PROGM  
 360 OH ST FIREMANS ASC  
 360 PARENTS ANONYMOUS  
 360 UNITD WAY  
 360 UNITD WAY INFO  
 363 XXXX  
 365 XXXX  
 370 XXXX  
 383 SKILKEN JOS ORGNZTN  
 383 SKILKEN JOSACO  
 404 DOWNTOWNERS  
 404 SMITLEY CHAS OMAR  
 473 BOTANY BOUTIQUE  
 475 KATZINGERS DELCTSNS  
 479 XXXX  
 481 FELKNER H F  
 481 FISCHER RALPH E  
 483 XXXX  
 487 LISOWSKI S J  
 490 GEASE ROBT  
 491 1/2 CHAPMAN K  
 491 1/2 SMITH KEVIN  
 491 WILFORD BARRY  
 493 1/2 EKEY RANDY  
 493 FLEMING TERRY  
 495 NOT QUITE TIFFANYS  
 495 PHILLIPS P RLTR  
 496 XXXX  
 497 MULTI TENANT RESIDENTIAL  
 499 THOMPSONS HAUS ANTO  
 502 ABROMS H M LPA ATTY  
 502 BOLON G K ATTY  
 502 BOLON GORDON K ATTY  
 502 BOLON THOS M ATTY  
 502 LOUDEN JOHN R ATTY

DIRECTORY PAGE MISSING

415 CARNEVALE A JR  
483 XXXX  
485 COOPER GARY W  
489 XXXX  
497 XXXX  
504 LAMARCHE SUSAN

69 XXXX  
74 MULTI TENANT RESIDENTIAL  
180 BRUCKER DONALD  
180 ST EDUC COMPUTER SV  
401 XXXX  
412 XXXX  
418 SMITH ELAINE

22 JURY RM LOUNGE  
 50 BUILDING  
 50 CO FRNKLN ATTY  
 50 CO FRNKLN CLERK  
 50 CO FRNKLN CT DMSTC  
 50 CO FRNKLN DMSTC  
 59 STJOHNS EVNGLCL CH  
 59 STJOHNS PROT CH  
 150 ALLEN BRUCE MJR  
 150 ARCHERMEEKWEILER AG  
 150 BUILDING  
 150 COLUMBIA PROPERTIES  
 150 COMMWLTH LAND TITLE  
 150 CONROY JOHN T ATTY  
 150 CRALL BOYD SINS  
 150 DIROSARIO PRECARIO  
 150 FOURTH & MND OFC BLDG  
 150 GREENFIELD PRNTNG  
 150 INS ASSOC AGCY INC  
 150 JONES ADVRTSNG SPCE  
 150 MACKIN DIROSARIO  
 150 MANUFACTURERS HANVR  
 150 MARSH RICK E ATTY  
 150 MOTOR TRAVEL MGZN  
 150 MOTORIST MAGAZINE  
 150 MOUND CONTRNG INC  
 150 MULTI TENANT RESIDENTIAL  
 150 OHIO TITLE CORP  
 150 PRECARIO PA ATTY  
 150 SCIOTO TITLE AGCY  
 150 SEBASTIAN A M ATTY  
 150 SEBASTIAN MARSH & WSS  
 150 SECURITY MUTL LIFE  
 150 SUB TITLE AGCY  
 150 WALLICK CONSTR CO  
 150 WALLICK JACK BLDR  
 150 WALLICK PROP INC  
 151 XXXX  
 183 ST ADMIN SV DPTS  
 183 ST BINDERY  
 395 A L E C FIBERGLASS  
 395 ALEC FIBERGLASS & PLS  
 395 ALEC ROOFING

274 CENTRAL CREDIT CTL  
 341 HOWE DAVID  
 343 HENDREN JEAN  
 345 HESS S  
 345 TOOPS PAUL  
 360 AMERICAN CIVIL FND  
 360 AMERICAN CIVIL INQ  
 360 AMERICAN CIVIL LBRT  
 360 AMERICAN CIVIL LCL  
 360 AMERICAN CIVIL ST  
 360 BUCKEYE ABSTRCT AGC  
 360 CHESSIE SYSTEM  
 360 CONNOR & CONNOR  
 360 CONNOR ROGER JR ATY  
 360 DAVON MNGMNT CO  
 360 DISCIPLINARY COUNSL  
 360 HARRY LEWIS CO LPA  
 360 KISSELL CO THE  
 360 LEAGUE AGAINST  
 360 METROPOLITAN HUMAN  
 360 MINNESOTA TITLE INS  
 360 MOUND & THIRD BLDG  
 360 MULTI TENANT RESIDENTIAL  
 360 OHIO ASSN CHL CRNG  
 360 OHIO CLTN AGNST DTH  
 360 OHIO STATE FRMN ASC  
 360 PARENTS ANONYMOUS  
 360 SUPREME CORT DISCIP  
 360 TITLE INS CO MINN  
 360 TITLE INS CO MNNSTA  
 360 U S NAVY RECRUITING  
 360 UNITED WAY  
 360 UNITED WAY ACCTG  
 360 UNITED WAY INF  
 360 UNITED WAY RESOURCE  
 360 VOLUNTEER ACT  
 363 XXXX  
 365 XXXX  
 370 XXXX  
 383 INDIAN OK APTS RNTL  
 383 PARK ROYL APTS RNTL  
 383 ROYAL NEIL APT RNTL  
 383 SKILKEN JOS & CO  
 404 DOWNTOWNERS  
 404 SMITLEY CHAS OMAR  
 473 BOTANY BOUTIQUE  
 479 XXXX  
 481 FELKNER H F  
 481 FISCHER RALPH E  
 483 XXXX  
 487 CARIS D  
 487 PUZA J M  
 487 WYATT THOM M  
 491 EASY KEN  
 491 NORRIS SA  
 493 CORBITT MICHAEL J  
 493 FLEMING TERRY  
 495 OHIO VALLEY FOODS  
 495 PHILLIPS PATRICK  
 495 REALTY WORLD PHLPS  
 496 XXXX  
 497 MULTI TENANT RESIDENTIAL  
 499 THOMPSONS HS ANT  
 502 ABROMS H M ATTY  
 502 BOLON GORDON K ATTY  
 502 BOLON THOS M ATTY  
 502 MULTI TENANT RESIDENTIAL

268 STAR NELSON STR  
275 XXXX  
300 GOODRICH B F CO THE  
300 GOODRICH B F TIRE  
309 JOB SERV OF OHIO  
309 ST BUR EMPLY SV  
315 XXXX  
349 XXXX  
364 ST ADMIN SV DPTS  
364 ST OH ADMIN  
365 COLS MUNICIPL CR UN  
365 COLUMBUS MUN EMP LN  
386 XXXX  
495 EDWARDS POULTRY  
500 MULTI TENANT RESIDENTIAL  
501 1/2 PACKER DAVID R  
501 DISABATO L C  
7495 TUSSING MEATS

DIRECTORY PAGE MISSING

69 XXXX  
 74 MULTI TENANT RESIDENTIAL  
 401 IRONMASTER

20 XXXX  
 22 JURY RM LOUNGE  
 31 FAEHNLE MONUMENT CO  
 31 MASON H MEMRL STDO  
 31 WEGE MONUMENTAL WKS  
 50 FRANKLN CO ALIMONY  
 50 FRANKLN CO BUR SUPP  
 50 FRANKLN CO CT ATTY  
 50 FRANKLN CO CT CASHR  
 50 FRANKLN CO CT CHPLN  
 50 FRANKLN CO CT CMNSR  
 50 FRANKLN CO CT DVRCE  
 50 FRANKLN CO CT GIRLS  
 50 FRANKLN CO CT INTKE  
 50 FRANKLN CO CT JDG  
 50 FRANKLN CO CT JVNLE  
 50 FRANKLN CO CT RCRDS  
 50 FRANKLN CO CT RLTNS  
 50 FRANKLN CO DELNONCY  
 50 FRANKLN CO DIVORCE  
 50 FRANKLN CO DTNTN HM  
 50 FRANKLN CO JDG HILL  
 50 FRANKLN CO JDG ROSE  
 50 FRIENDS IN ACTION  
 50 JUVENILE PRBTN CNCL  
 59 ST JOHN EVANGCL CH  
 79 XXXX  
 150 AMER FLETCHER MRTGE  
 150 BERNSTEIN GROUP INC  
 150 COLUMBIA PROPERTIES  
 150 COMMRL STD TTL INS  
 150 EASTLAND PRFSNL PLZ  
 150 FOURTH&MND OFC BLDG  
 150 GOLDSTON S CPA  
 150 HOWARD J H CONSTR  
 150 MOUND & THRD OFC BLDG  
 150 MULTI TENANT RESIDENTIAL  
 150 OHIO TITLE CORP  
 150 PARK CONSTR CO  
 150 PARK DEVLOPMNT CO  
 150 TWYFORD HANS&KUNKLR  
 150 UNITD BRCKECLAY WKR  
 150 WALLICK CONSTR CO  
 150 WALLICK JACK BLDR  
 211 XXXX  
 221 XXXX  
 373 XXXX  
 374 ALEXANDER JAS K  
 374 REED FLORENCE

74 total records. Part 1 of 2

0 ELLIOTT SCHIO SV ST  
 274 1/2 AMER ADJ BUR  
 274 1/2 CENTRAL CREDIT CNTRL  
 274 1/2 CENTRL CREDIT CNTRL  
 274 1/2 FUN WORLD AMUSEMENT  
 274 1/2 MERCHANTS FNC SERV  
 312 XXXX  
 314 XXXX  
 318 XXXX  
 320 XXXX  
 341 SPARKS FARLIN  
 343 CONLEY E C  
 343 HENDREN JEAN  
 343 MCMULLEN L R  
 345 MULTI TENANT RESIDENTIAL  
 345 THIRD MOUND APTS  
 360 BUCKEYE ABSTRCT AGC  
 360 CHESSIE SYST TRAFFC  
 360 CONNOR & CONNOR  
 360 FRIEDMAN & LEWIS  
 360 HARRY LEWIS CO LPA  
 360 KISSELL CO THE  
 360 LEWIS & FRIEDMAN ATTY  
 360 MINNESOTA TITLE INS  
 360 MOUNDETHIRD BLDG  
 360 MULTI TENANT RESIDENTIAL  
 360 TITLE INS CO MINN  
 360 TITLE INS CO MNNSTA  
 360 US LBR OCCPTNL SFTY  
 360 US NAVY RECRUITING  
 360 US VTRN ADM CONTACT  
 360 US VTRN ADM HYGIENE  
 360 USN RECRTG ADMN  
 360 USN RECRTG NURS PRG  
 360 USN RECRUITING  
 360 USN RECRUITING DIST  
 360 USN RECRUITING EXEC  
 360 USN RECRUITING OFC  
 360 USN RECRUITING SPLY  
 360 USN REDRTING AREA  
 360 USN WAVE RECRUITER  
 360 WILLIAM S F CO LPA  
 363 XXXX  
 365 XXXX  
 383 INDIAN OK APTS RNTL  
 383 PARK ROYL APTS RNTL  
 383 ROYAL NEIL APT RNTL  
 383 SCHAFFER RICHARD CPA  
 383 SHAFER RICHARD CPA  
 383 SKILKEN JOS&CO  
 404 SMITLEY CHAS CMAR  
 404 TRINITY LUTH CHURCH  
 473 1/2 JONES RONALD L  
 473 SIGNMASTER SIGNS  
 473 STOP INN MKT  
 479 XXXX  
 481 FELKNER H F  
 481 FISCHER RALPH E  
 483 XXXX  
 487 1/2 BERRY T  
 487 STEELE RODNEY  
 491 1/2 HOUSER ROBT  
 491 1/2 MCGRAW JOHN J  
 491 MCCARTHY S J  
 493 MILLER CLYDE K  
 495 BOTANY BOUTIQUE  
 496 XXXX  
 497 ABELE C M  
 497 GRIFFITH M M

Part 2 of 2

497 KING J E  
 499 GERMAN VILLAGE ANTQ  
 502 XXXX  
 503 LAHRMER MARVEN WM  
 503 SCHOOLEY B J

**1976****S 4TH ST**

SOURCE: HAINES

268 NELSON FURN TRDE IN  
275 XXXX  
300 GOODRICH B F TIRE  
309 OHIO ST BUR EMP IND  
309 OHIO ST BUR EMP INF  
309 OHIO ST BUR EMP UC  
309 OHIO ST BUR EMP VET  
309 OHIO ST BUR EMPYMT  
315 MONROE REALTY  
349 XXXX  
365 COLS MNCPL EMPL CR  
386 XXXX  
495 HICKELS POULTRY  
495 TUSSING V P  
500 CIZMADIA J C  
501 YOUNG EARNESTINE

**1976****S LAZELLE RD**

SOURCE: HAINES

483 XXXX  
485 VARGO J  
497 MURRAY FRANCES  
504 WALDO TERRY

69 XXXX  
74 MULTI TENANT RESIDENTIAL  
412 CALHOUN MARGARET

20 XXXX  
22 MACS SHACK  
31 FAEHNLE MONUMENT CO  
31 HEGE MONUMENTAL WKS  
31 MASON H MEMRL STDO  
50 CHURCH WOMEN UNITED  
50 FRNKLN CO DMSTC RLN  
50 METROPOLITAN CH BD  
59 KUTZ LEROY M JR REV  
59 ST JOHN EVANGCL CH  
79 XXXX  
211 XXXX  
221 XXXX  
374 JACKSON SARAH  
374 REED FLORENCE

0 ELLIOTT SOHIO SV ST  
 274 J&M GRILL  
 312 XXXX  
 314 ANDERSON HAROLD  
 318 XXXX  
 341 SEARLES ORA  
 343 HENDREN JEAN  
 343 RAMBEAU EDNA  
 345 KISSELL ALICE  
 360 BUCKEYE ABSTRACT CO  
 360 COLUMBIA PROPERTIES  
 360 MOUND & THRD OFC BLOG  
 360 MULTI TENANT RESIDENTIAL  
 360 SANFORD G CPA  
 360 TAYLOR H ALANEASSCS  
 360 WALLICK CONSTR CO  
 360 WALLICK JACK BLDR  
 360 WALLICK REALTY  
 363 XXXX  
 365 XXXX  
 383 SKILKEN JOS&CO  
 404 SMITLEY CHAS OMAR  
 404 TRINITY LUTH CHURCH  
 405 XXXX  
 407 XXXX  
 438 XXXX  
 439 XXXX  
 447 XXXX  
 448 XXXX  
 450 XXXX  
 473 SIGNMASTER SIGNS  
 473 STOP INN MKT  
 479 XXXX  
 481 FELKNER H F  
 481 FISCHER RALPH E  
 483 XXXX  
 487 XXXX  
 491 MCMAHON PATK  
 495 GERMAN VL SUPPLY CO  
 496 BAILEY JANE  
 497 ABELE C M  
 497 GRIFFITH M M  
 497 KING J E  
 499 GERMAN VILLAGE ANTO  
 502 ROYS 66 SERV

275 O ST LCN PLATE REG  
 275 OHIO BUR MTR VEHL  
 275 OHIO ST BLDG MNTE  
 275 OHIO ST VEHL LCNS  
 275 OHIO ST VEHL ENFRCE  
 275 OHIO ST VEHL SFTY  
 275 OHIO ST DR VR LICENS  
 300 GOODRICH B F TIRE  
 309 EMPLY BUR VETS  
 309 EMPLYMNT BUR LOCAL  
 309 EMPLYMT BUR DMSTC  
 309 EMPLYMT BUR UC CMPL  
 309 OHIO ST BUR EMP INF  
 309 OHIO ST BUR EMP VET  
 309 OHIO ST EMPL OMSTC  
 309 OHIO ST UC COMPLNCE  
 315 BERMAN LARRY  
 315 CENTAUP MANAGEMENT  
 315 CENTAUR CORP  
 315 MONROE REALTY  
 315 PROPERTIES MAINTNCE  
 349 XXXX  
 365 COLS CTY EMPL CR UN  
 386 COLUMBUS BLNK BK CO  
 386 HEER PRNING CO THE  
 386 MIDWEST LAW PRNTRS  
 386 NATL GRAPHICS CORP  
 429 XXXX  
 430 XXXX  
 434 XXXX  
 436 XXXX  
 439 XXXX  
 445 XXXX  
 449 XXXX  
 468 XXXX  
 495 HICK ELS POULTRY  
 495 TUSSING V P  
 500 HERBICK & HELD PRNTNG  
 500 KALWARY PUBLIC RLTNS  
 500 PROJECT SERVS CO  
 500 ROBY HARLAND  
 501 KLEIN FRANCES C

237 JOHNS CONSTRUCTION  
237 JOHNS FLR COVERINGS  
237 STYERS A R  
483 FUHR DENNIS V  
485 BOYER GED W  
489 BLACKBURN IRVEN  
497 MURRAY FRANCES  
506 BROMBAXHER GEO E

69 XXXX  
74 MULTI TENANT RESIDENTIAL  
206 FIELDS ANNA  
389 MORRIS VIRGINIA  
389 MOSLEY W H  
389 REED WM

20 XXXX  
22 MIDWAY INN  
31 FAEHNLE MONUMENT CO  
31 MASON HENRY A MEMAL  
50 CT OF DOM RELATIONS  
50 JUVENILE CENTER  
59 KUTZ L M JR REV  
59 ST JOHNS EV PROTST  
59 ST JOHNS EVNG CL CH  
79 XXXX  
203 PRINCE AUBREY  
203 PRINCE HALLE

276 BREWERY WAKR LOC 47  
276 COL AFSCME AFL CIO  
276 DAIRY FD WRK LC 379  
276 RETAIL WHSLE & DEPT  
312 XXXX  
314 XXXX  
318 XXXX  
320 XXXX  
345 FEIN ELIZABETH  
345 SCHWARTZ MARY B  
363 XXXX  
365 XXXX  
383 SKILKEN JOS & CO  
403 GUYS BODY & FENDER  
404 1/2 SMITLEY CHAS OMAR  
404 GOERS HAROLD S REV  
404 TRINITY LUTH CHURCH  
405 XXXX  
407 XXXX  
413 1/2 VANPELT JOHN H  
438 XXXX  
439 XXXX  
447 XXXX  
448 XXXX  
449 GERMAN VILLAGE ANTQ  
450 ELLIOTT SOHIO SV ST  
450 XXXX  
473 1/2 HILLYER THELMA  
473 1/2 STORICK SAMUEL E  
473 SIGNMASTER SIGNS  
473 STOP INN MKT  
479 XXXX  
481 FISCHER RALPH E  
483 XXXX  
487 XXXX  
491 1/2 KITCHEN DELLA MRS  
491 1/2 RAMBEAU EDNA  
493 BAKER KATIE  
495 GERMAN VL SUPPLY CO  
496 HUFF JANE  
497 ABELE CARRIE  
502 ROYS 66 SERV

275 O MTR VEHCL TITLE  
 275 O LICNS PLATE REGST  
 275 O MOTA DRIVERS LCNS  
 275 O MTR SFTY RESPNSBT  
 275 O MTR VEHCL DLRS & SL  
 275 O MTR VEHCLS ENFRCE  
 275 O MTR VEHCLS INFRMT  
 275 O MTR VEHCLS PERSNL  
 300 GOODRICH B F TIRE  
 309 BUR UNEMPLMI DOMSTC  
 309 BUR UNEMPLMT Cmplce  
 309 BUR UNEMPLMT IND SV  
 309 BUR UNEMPLMT VET EM  
 309 BUR UNMPLMNT INDSTR  
 309 BUREAU EMPLOYMNT SV  
 309 OHIO ST EMPLOYMNT SV  
 309 UNEMP INDSTAL & SV  
 315 BERMAN LARRY  
 315 BUR UNEMPLYMT COMP  
 315 MONROE REALTY  
 315 O EMPLOYMNT PROF  
 315 OSES EMPLOYMNT PROF  
 315 OUECB LCL PROF SALE  
 315 UNEMP PRFSNL CLRICL  
 349 XXXX  
 386 HEER PRNTNG CO THE  
 386 MIDWEST LAW PRNTRS  
 386 MOHAWK STUDIOS INC  
 429 XXXX  
 430 XXXX  
 434 XXXX  
 436 XXXX  
 439 XXXX  
 445 XXXX  
 449 XXXX  
 468 XXXX  
 509 XXXX  
 515 MULTI TENANT RESIDENTIAL

237 HARRINGTON JOHN JAS  
 237 JOHNS & CO  
 237 JOHNS ROBT H  
 483 1/2 LONG M D  
 489 1/2 BLACKBURN IRVEN  
 497 MURRAY FRANCES  
 504 STIVERSON JOS L

67 BLANKENSHIP V  
74 MULTI TENANT RESIDENTIAL  
195 ELKINS LW  
206 CURRIE JW  
255 LITTLE A  
273 PRYLE LE  
277 DAVENPORT A  
318 WITHERS B

22 IRVIN'S PLACE  
31 MASON HENRY A MEMORIAL STUDIO C  
50 FRANKLIN COUNTY OF CA  
61 ST JOHN'S EVANGELICAL & REFORMED CHURCH  
72 STEWART MEMORIAL CME CHURCH  
81 ALVORD D  
123 BALL B  
123 DEL TO OCCUPANT  
129 FAUST SERVICE CO  
135 DEL TO OCCUPANT  
138 HAMMACK M  
138 RUTTER V  
139 HENNICK C  
140 MOORE K  
145 ALBERT RESTAURANT  
145 TAYLOR I MRS  
147 MILLS O  
178 1 DUTY C  
178 4 STORICK SE  
190 WEBER RJ  
194 TAYLOR J  
198 BETTS C  
198 DEL TO OCCUPANT  
203 PRINCE R L

276 COLUMBUS C10 NEWS  
 276 DAIRY BAKERY & FOOD WORKERS  
 341 DEL MONTE APTS  
 363 LLOYD E M MISS C  
 364 CHURCH OF GOD C  
 374 DEL TO OCCUPANT  
 383 SKILKEN JOSEPH & CO  
 386 COUNTRY & TOWN  
 394 BOLING EH  
 396 LEWIS CS MRS  
 402 DONOHOE E  
 403 DUKE CA  
 404 SMITLEY CO  
 404 TRINITY LUTHERAN CHURCH  
 405 ALLEN H M  
 413 VAN PELT JH MRS  
 415 RELIANCE PRINTING CO  
 428 RELIABLE ADVRTSNG DISTRIBING CO  
 433 JAE CO KITCHEN & BATH EQPMNT  
 437 C & R AUTO SERV  
 437 DEL TO OCCUPANT  
 438 DEISS E M  
 438 DELSS EM  
 439 DEL TO OCCUPANT  
 440 ANGEL D  
 440 SCHWARTZ A L  
 441 MAYER R  
 450 WALTON LE  
 466 WRIGHT H  
 473 CHAKERES C  
 473 STOP INN MKT  
 479 DEL TO OCCUPANT  
 487 DEL TO OCCUPANT  
 490 MITCHEM N MRS  
 491 CALDWELL R  
 492 MATHENY V  
 495 PILCHER CO  
 496 THIRD STREET CINRS  
 497 ABELE C  
 497 DEL TO OCCUPANT  
 497 HETTERSCHIEDT G  
 497 WINNESTAFFER BS MRS  
 499 ECONOMY HOME SUPPLY CO  
 502 JENKINS PHILLIPS

275 OHIO STATE OF  
 309 FAIR FURNTR CO  
 312 SOUDER'S RESTAURANT  
 314 GROVER E  
 314 PAVER H A  
 314 REYNOLDS R  
 314 ZETTLER BLDG  
 323 CANE AUCTION  
 329 B - B PRINTING CO  
 338 LEE'S STORE  
 343 DAVIS AUCTION & SALES CO  
 344 SAM'S GRILL  
 345 FRANKLIN BUILDERS SUPPLY  
 348 BISCH K  
 350 OHIO TRAILER SUPPLY CO  
 385 WILLIAMSON JC  
 386 DEL TO OCCUPANT  
 386 HEER FJ PRINTING CO THE  
 386 HEER WF SR  
 429 BLG TOP MFG CO  
 431 COBB E  
 435 RILEY RD  
 438 BLEVINS L  
 450 TONY'S MKT  
 457 HAUCK CA  
 458 CAHILL GRILL  
 462 ARMSTRONG C  
 464 WEILBACHER'S DEPT STORE  
 466 ROBERTSON H  
 468 VAUGHT C M  
 470 MEHLER G  
 475 ELLIOTT SOHIO SERV STA  
 476 KRATZ H J  
 480 PAUL'S CUT RATE  
 501 SPARKS R M

**1960****S LAZELLE RD**

SOURCE: OHIO BELL TELEPHONE

199 FLESCH J  
207 GOODMAN H  
215 MERCURIO BROS FRUIT  
237 JOHNS & CO  
238 SWORMSTEDT STORAGE VAN CO  
395 SCOTT RJ  
400 RANDOLPH O  
402 MORRIS W  
404 DEL TO OCCUPANT  
414 DEL TO OCCUPANT  
440 DEL TO OCCUPANT  
447 FIELD J H C  
483 DE LANCY W  
485 SITES C F  
497 KUSIC J D  
498 WILSON M  
504 STONEROCK G A

**1955****E ENGLER ST**

SOURCE: OHIO BELL TELEPHONE

67 SAMS D CA 82026  
69 HILL'S ROAD SERVICE CA 42783  
71 VEST ER CA 44826  
74 MULTI TENANT RESIDENTIAL  
139 MCKINLEY M CA 48439  
141 SPEAKMAN J MRS CA 10415  
143 PFOST E A CA 84030  
194 ENGLER RK CA 81328  
196 MICK LL CA 47884  
198 SANDY H CA 81863  
200 KELLY J L CA 45329  
205 GRAYEM J CA 82940  
206 WEBB WE CA 14794  
217 ARCHER M CA 81954  
217 FRANCK N CA 14808  
219 BENTLEY W CA 82947  
219 MCKINNEY R CA 82097  
245 DAVISSON SB CA 19805  
249 CORDELL C W CA 45527  
251 SONNER HH CA 19507  
255 OSENDOTT TP CA 84160  
257 KOENIG CJ CA 81642  
258 THOMPSON GC CA 84664  
259 CHAPMAN L CA 47023  
261 EDWARDS A W CA 81605  
262 MONTGOMERY JA CA 45051  
266 DARBYSHIRE HCA 17282  
267 DAVY V CA 19073  
268 DEL TO OCCUPANT XX -  
270 HARPER R CA 48362  
277 DAVENPORT A CA 11469  
279 KAY M CA 43577  
280 KENNEDY TC CA 17295  
311 SLAGLE OE CA 49321

22 IRVIN'S PLACE  
 31 MASON HENRY A MEMORIAL STUDIO  
 50 COURT HOUSE  
 50 FRANKLIN COUNTY OF COURT OF DOMESTIC RELATIONS  
 61 ST JOHN'S EVANGELICAL PROTESTANT CHURCH  
 72 CENTRAL COMMUNITY CHURCH THE  
 79 DEL TO OCCUPANT  
 81 2 ROBINSON GE  
 81 3 ALVORD D  
 110 MOUND STREET SCHOOL  
 117 GOFF M  
 123 MOORE K  
 129 1A DEL TO OCCUPANT  
 129 3 A FURGERSON FL  
 129 FAUST SERVICE CO  
 135 VAUGHT C  
 139 HENNICK C  
 140 ULRICH E  
 145 ALLEN B CA 19859  
 145 FLOYD P CA 47465  
 147 CITY WHOLESALE INC CA 14416  
 147 MILLS O CA 47912  
 178 1 DUTY C CA 83922  
 178 2 DUTY BA CA 14761  
 178 4 STORICK SE CA 44687  
 194 PYLES R CA 49374  
 195 RADEL TC CA 42921  
 196 DONALDSON A CA 84659  
 198 FAX E CA 11554  
 198 RYAN H CA 18279  
 203 ELKINS LW CA 49359

276 COLUMBUS CIO NEWS  
 276 DAIRY BAKERY & FOOD WORKERS LOCAL NO 379 CIO  
 320 EVANS O  
 341 DEL MONTE APTS  
 363 LLOYD E M MISS  
 365 CLEAR - THE - WAY HAND LAUNDRY  
 374 HAWXHURST C  
 376 BREHL MCH & WELD SHOP  
 380 CARROLL HE  
 383 SKILKEN JOSEPH & CO  
 384 JUDY ROOFING & FURNACE REPAIR CO  
 386 WOOD LW  
 394 BOLING EH  
 396 LEWIS C S MRS  
 402 DONOHOE E  
 403 ACME MATTRESS WORKS  
 404 TRINITY LUTHERAN CHURCH  
 407 CRUM S  
 415 RELIANCE PRINTING CO  
 428 RELIABLE ADV & DISTR  
 428 SIMCHIA R  
 433 JAE CO BATH & KITCHEN EQUIPMENT  
 437 C & R AUTO SERV  
 437 LONGSTRETH A E  
 437 ROMINE C  
 438 DEISS EM  
 439 HUFF A F  
 440 ANGEL D  
 440 SCHWARTZ AL  
 441 MAYER R  
 444 BEATTY W  
 447 GARY EN  
 448 GILLENWATER R  
 450 WOLFE S  
 458 GRIFFITH CE  
 462 HOUSE OF SWEETS  
 473 CHAKERES C  
 473 VERA'S CONFECTIONERY & GROCERY  
 480 WILLIAMS A  
 486 JOHNSON MB  
 486 SMALES J  
 487 DEL TO OCCUPANT  
 487 SURBER RL  
 490 ABELE C  
 490 NORRIS A MRS  
 491 DEL TO OCCUPANT  
 493 RAMEY V  
 495 PILCHER CO  
 496 ADDISON B Z  
 497 MULTI TENANT RESIDENTIAL  
 499 ECONOMY HOME SUPPLY CO  
 502 ROY'S GULF SERVICE STATION  
 4044 SMITLEY CO

118 CHERY E  
 275 AUDITOR OF STATE MOTOR VEHICLE AUDIT  
 275 OHIO STATE OF  
 309 GOODYEAR TIRE & RUBBER CO INC  
 312 SOUDER'S RESTAURANT  
 314 1 ZETTLER BLDG  
 314 12 REYNOLDS R  
 323 H & H TRADING POST  
 327 DEL TO OCCUPANT  
 329 B - B PRINTING CO  
 338 LEE'S BOOK STORE  
 340 HAGY'S POULTRY FEED PET SUPPLIES  
 341 DEL TO OCCUPANT  
 344 SAM'S CAFE  
 348 BISCH A  
 348 GARTHEE NC  
 348 HARMON E  
 349 GOODWILL INDUSTRIES  
 350 OHIO TRAILER SUPPLY CO  
 365 QUALITY COFFEE SHOP  
 377 APTS  
 377 BURCHFIELD J  
 377 CARSEY P  
 385 WILLIAMSON JC  
 386 HEER FJ PRINTING CO THE  
 386 HEER WF SR  
 391 RUCKMAN CM  
 393 HOWE J  
 395 SCHAFFER M M  
 429 FRANKLIN UPHOLSTERY  
 435 FERRY PD  
 439 MADDEN V  
 450 TONY'S MARKET  
 457 MATHEWS E MRS  
 458 CAHILL GRILL  
 462 ARMSTRONG C  
 464 WEILBACHER'S DEPT STORE  
 466 ROBERTSON H  
 468 HEINTZ M MRS  
 470 MEHLER G  
 476 KRATZ H J  
 480 DEL TO OCCUPANT  
 480 PAUL'S CUT RATE  
 501 WILLIAMS A G

199 FLESCH J  
 200 YOUNG'S PRODUCE CO  
 205 SERIO GUS R SONS & CO  
 215 MERCURIO BROS FRUIT  
 238 SWORMSTEDT STORAGE VAN CO  
 328 STAR FURNITURE CO  
 369 SEEGER C  
 374 PERSINGER I  
 395 DEL TO OCCUPANT  
 398 MARTIN WE  
 402 DOYLE R  
 404 MCCANN T  
 447 BREECE C  
 485 HILL C  
 485 HILL'S ROAD SERVICE  
 489 HOLLINGSWORTH E  
 495 BUSH DA  
 497 KUSIC J D  
 498 DERIFIELD G  
 504 STONEROCK G A

67 BRAY JOHN  
 69 HOLLEY CHAS  
 71 VEST ELDON  
 74 MULTI TENANT RESIDENTIAL  
 113 JUDY ROOFING & FURNACE CO (WHSE)  
 114 MCCARGISH CLYDE M  
 133 CREAMER WARREN A AUTO REPR  
 139 MCKINLEY MARION  
 140 DAVENPORT LAWRENCE H  
 141 SPEAKMAN WM C  
 143 POST ARNETT  
 144 GLAZE DOROTHEA MRS  
 146 THOMPSON JAS R R  
 194 THOMAS RICH D  
 195 BROKAW CLINTON K  
 196 MICK LEO L  
 198 REED ROSETTA  
 199 HICKS RAY E  
 200 KELLY JAS L  
 204 KNODERER FRED H  
 205 VIERS DELMAR F  
 206 HODSON ADA F MRS  
 209 FIELDER HENRY H  
 217 ARCHER TOBE F  
 219 1/2 MECALLISTER SAM  
 219 BROWN WALTER E  
 219 MARVIN OVALD G  
 223 DELONG GEO E  
 225 KOLB LEO V  
 245 DAVISSON STEWART B  
 248 SPARKS BEN F  
 249 CORDELL JOHN W  
 250 HORVATH ANTHONY A  
 251 SONNER HAROLD H  
 252 COLLINS LULU  
 255 COCHENOUR ALBERTA MRS  
 256 CREMEANS ROBT D  
 257 KOENIG CARL J  
 258 WATSON THOS A  
 259 WILLIAMS R JAS  
 260 TAYLOR CHAS R  
 261 EDWARDS ANDREW W  
 262 MCCOY JAS H  
 266 DARBYSHIRE HUBERT C  
 267 DAVY ALVA G  
 268 SCOTT ELLEN MRS  
 270 SCOTT RICH D  
 271 MCGRATH DANL H  
 273 PRYLE LAWRENCE E  
 276 ZIMMERMAN MARTIN  
 277 DAVENPORT HERBERT  
 279 BOGGS ROBT L  
 280 KENNEDY THOS C  
 311 1/2 O'DONNELL BERNARD J

0 COURT HOUSE (SIDE ENT) (SE COR)  
 20 MCKAY HARRY J  
 22 IRVIN'S PLACE RESTR  
 31 -37 MASON HENRY A MEMORIAL STUDIO MONUMENTS  
 47 COURT HOUSE PARKING LOT  
 50 COUNTY CHILD WELFARE BD  
 50 COUNTY COURT OF DOMESTIC RELATIONS  
 50 COUNTY JUVENILE CENTER  
 50 COUNTY JUVENILE COURT  
 50 COUNTY JUVENILE DETENTION HOME  
 59 STJOHN'S EVAN CHURCH  
 60 MCDONALD MARY A MRS  
 66 TRIPLETT HASKELL  
 72 CENTRAL COMMUNITY CHURCH  
 79 CHURCH DOLLEAH R MRS ANTIQUES  
 81 1/2 MULTI TENANT RESIDENTIAL  
 109 ZION EVAN LUTH CHURCH (OFC)  
 110 MOUND JUNIOR HIGH SCH  
 113 HOLLEY RAY E  
 117 BERNARD IDA MRS FURN RMS  
 123 BERNARD ALICE R MRS FURN RMS  
 123 BERNARD LAWRENCE E  
 129 1/2 MCDONALD JOHN  
 129 FAUST HAROLD O REPR SHOP  
 131 GORDON HARRY L NEWS SERV  
 135 THRASH CLYDE F  
 138 SHEETS GEO W  
 138 SHEETS VIRGINIA FURN RMS  
 139 HENNICK CHAS J LEATHER GDS  
 140 ULRICH EMMA C  
 143 1/2 STONOCK RUSSELL  
 143 MATTISON DAVID  
 145 1/2 STOLZENBURG FRANK  
 145 PRODEN PETER RESTR  
 147 1/2 SPOHN ANNA MRS FURN RMS  
 147 BARROW FRANK CANDY CO  
 178 MULTI TENANT RESIDENTIAL  
 183 HEER FJ PRINTING CO (WHSE)  
 186 HALL LUCILLE MRS  
 190 VACANT  
 194 PYLES ROBT  
 195 CRAMER EDWIN T  
 195 MCKNIGHT HARRY  
 196 DONALDSON ALF  
 198 FOX ESTHER MRS  
 198 HAMLER CHAS  
 203 MULTI TENANT RESIDENTIAL

## 89 total records. Part 1 of 2

276 BREWERY WKRS LOCAL NO 47  
 276 CIO (REGIONAL OFC)  
 276 COLS CIO COUNCIL  
 276 DAIRY BAKERY & FOOD WKRS LOCAL NO 379 (CIO)  
 276 UNITED PAPER WKRS LOCAL NO 2005 (CIO)  
 276 UNITED PAPER WKRS OF AM CIO (DIST OFC)  
 276 UNITED R R WKRS LOCAL NO 2005 CIO  
 276 UNITED RETAIL WHOL & DEPT STORE EMP OF AM (CIO)  
 312 ZETTLER HDW CO (WHSE)  
 314 SEAL EDNA MRS FURN RMS  
 318 HOCH IVA M MRS  
 320 HOSKINS MYRTLE MRS FURN RMS  
 341 -45 DEL MONTE APTS  
 341 -45 MULTI TENANT RESIDENTIAL  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 363 LLOYD EDNA M CONFR  
 364 ZION EVANGELICAL LUTHERAN CHURCH  
 365 CHAN JAS F INDRY  
 371 HAMLER ELMER E AUTO PARKING  
 374 THURMAN ETHIA MRS FURN RMS  
 376 BREHL WELDING & MACH WKS  
 380 HIMES CLARENCE FURN RMS  
 383 RAY JAS G BLKSMITH  
 384 -86 JUDY ROOFING & FURNACE CO  
 386 1/2 WOOD LOYAL W  
 394 1/2 CORNS ARCH  
 394 BOLING EDW H  
 395 CURLEY'S USED CARS  
 396 WELLS OLIVER P  
 402 DONOHOE L FRANK FURN RMS  
 403 1/2 MILLER GRACE MRS  
 403 ACME MATTRESS WKS (REAR)  
 403 HOSTETTER RALPH  
 404 1/2 SMITLEY C OMAR  
 404 TRINITY EVANG LUTHERAN CH PARISH HOUSE  
 405 1/2 WOODS CHAS E  
 405 DOWNEY WALTER  
 407 1/2 KERR FRANK  
 407 RECTOR OMER D  
 410 TRINITY EVANGELICAL LUTHERAN CHURCH  
 413 1/2 STRAWN BEN L FURN RMS  
 415 RELIANCE PRNTG & RUBBER STAMP CO  
 428 1/2 CIMCHIA NICK  
 428 RELIABLE ADV & DISTRIBUTING CO  
 433 JAE CO PLMBG SUPS  
 434 1/2 JOHNSON RICH D  
 434 JOHNSON WALTER H  
 437 C & R AUTO SERVICE AUTO REPRS (REAR)  
 437 LONGSTRETH ALBERT E  
 438 WOODS MABEL  
 439 HUFF ALBERT E  
 440 ANGEL DANL P  
 440 SCHWARTZ ANNA MRS  
 441 MAYER RUTH H  
 444 BEATTY WM S JR  
 445 BARBER EDW FURN RMS  
 447 MONDOK MAE MRS  
 448 BOWMAN CLIFTON F PLSTR  
 449 COOK BESSIE MRS  
 450 LEE JEAN MRS  
 453 LIVINGSTON METH CHURCH  
 458 MORGAN ROBT E  
 460 GEER DAVID M  
 462 1/2 RAMEY VERA MRS  
 462 HARPER C EDGAR GRO  
 466 FRALEY ULYSSES S  
 473 1/2 CHAKERES KATHRYN MRS  
 473 COHEN DANL CONFR

## Part 2 of 2

475 VACANT  
 479 HAILEY GEO E  
 480 1/2 NO RETURN  
 480 VACANT  
 481 BUCHANAN ELIZ  
 483 PARSONS ENLD W  
 486 1/2 JONES LOUISE MRS  
 486 OWENS ESTELLE M  
 487 RICHARDS MERRITT E  
 490 1/2 ABELE CAROLINE  
 490 GRIFFIN NORBERT E  
 491 1/2 FRANKS MYRTLE MRS  
 491 GERHARDT CHAS E  
 492 MULTI TENANT RESIDENTIAL  
 493 BREHL IDA MRS  
 495 PILCHER CO WHOL PLMBRS SUPPLIES  
 496 ZUBER FRANK W  
 497 MULTI TENANT RESIDENTIAL  
 499 ECONOMY HOME SUPPLY CO HSE FURNNGS  
 502 HILL CHAS I FILLING STA

275 DONLEY MARTIN E RESTR (REAR)  
 275 OHIO STATE BUREAU OF MOTOR VEHICLES  
 275 OHLO - HARTMAN BLDG  
 275 WELLS HARLAN W CIGARS (4TH FL)  
 309 GOODYEAR TIRE & RUBBER CO INC  
 312 SOUDER'S RESTR  
 314 SWICKARD RENTAL AGCY FURN RMS  
 316 TIPPLE IVA L MRS RESTR  
 318 HANES STEWART A CONFY  
 320 VACANT  
 323 CENTRAL FURN CO (STGE)  
 327 1/2 STOTLER JOS FURN RMS  
 329 B - B PRINTING CO  
 332 MKT EXCHANGE BANK (PARKING LOT)  
 336 -34 LEE JOSEPHINE MRS BEER  
 336 1/2 WALTERS NELLLE MRS  
 337 -17 CENTRAL FURN CO  
 340 HAGY HARLEY S POULTRY  
 344 -46 BOB'S PLACE RESTR  
 348 1/2 BECKER MAYME MRS  
 348 1/2 GARTHEE NAN C MRS  
 348 1/2 TROUT VIOLA S  
 350 OHIO TRAILER SUP CO  
 364 -86 HEER F J PRINTING CO  
 365 QUALITY COFFEE SHOP  
 371 LYKINS DANA  
 372 MIDWEST LAW PRINTERS & PUBLISHERS  
 377 MULTI TENANT RESIDENTIAL  
 385 WILLIAMSON FURN STORE  
 391 -95 RUCKMAN CHAS M FURN RMS  
 405 CREMEANS OTHEL  
 409 BAXTER RANSOM  
 409 FOURTH STREET SCHOOL (NE COR )  
 429 F & F FURN CO  
 430 VACANT  
 431 LAW JAS L  
 434 HAUCK CHAS A FURN RMS  
 435 FERRY PATK D  
 436 FERRY PATK D BARBER  
 437 1/2 KNOEFEL BERNARD  
 437 HARPER HELEN H MRS  
 437 KNOEFEL BERNARD SHOE REPR  
 438 FOSTER ALBERT  
 439 MADDEN VERNICE L MRS  
 440 WARD JOHN W COAL  
 443 TAYLOR CHAS  
 445 LLOYD REESE E  
 449 BURNS GEO  
 450 TONY'S MKT GRO  
 457 WHITE HAZEL M MRS  
 458 GEORGE'S GRILL  
 460 1/2 VACANT  
 462 1/2 ARMSTRONG CLARENCE C REFGR REPR  
 463 HAUCK CHAS A GRO  
 464 WEILBACHER DRY GOODS STORE  
 466 1/2 GOHDES EDNA MRS  
 468 HEINTZ MAMIE & MRS  
 470 SCHWARTZ EMILLE M  
 475 WEMLINGER WM S ALLING STA  
 476 KRATZ HARRIET J  
 480 RAYNES PAUL E PAT MEDICINES  
 501 BATES RUTH  
 501 WILLIAMS ARTH G

199 FLESH JOS WHOL PROD  
 205 -09 KAISER JOHN WHOL FRUITS  
 211 -13 GRIFFITH FRUIT & PRODUCE  
 215 MERCURIO BROS WHOL PROD  
 246 TROWBRIDGE CHAS A CO (REAR ENT)  
 262 STAR FURN CO STOVE DEPT  
 273 HIRSCH GUSTAV ORGANIZATION (WHSE)  
 328 STAR FURNITURE CO (WHSE)  
 334 MAHON JENNIE MRS  
 369 JOHNSON MICHL J  
 371 SEEGER HERBERT C  
 374 COMPTON JOHN S  
 374 WATSON OPAL  
 391 JUDY ROOFING & FURNACE CO (REAR ENT)  
 393 JUDY ROOFING & FURNACE CO (WHSE)  
 395 CHICK CHAS D  
 398 MARTIN WENDALL E  
 400 DOYLE GRAHAM F  
 402 DOYLE ROBT L  
 404 MCCANN THOS J JR  
 412 BRADSHAW WALTER  
 414 STARRETT WM E  
 440 MATHEWS ESTEL  
 447 BREECE CHAS A  
 458 MATHEWS RAYMOND  
 485 HILL CHAS I  
 495 VACANT  
 497 KUSIC JAS D  
 498 HOLZAPFEL ANNA MRS  
 504 STONEROCK GEO A

67 ARMSTRONG RALPH E  
 69 VACANT  
 71 ROBINETT VERNON  
 74 MULTI TENANT RESIDENTIAL  
 76 VACANT  
 113 JUDY ROOFING & FURNACE CO (WHSE)  
 114 MCCARGISH CLYDE M  
 133 VACANT  
 139 MCKINLEY MARION  
 140 DAVENPORT LAWRENCE H  
 141 SPEAKMAN WM C  
 143 MILLER WM  
 144 VACANT  
 146 GEYER NORMAN W  
 190 MARTIN CARRIE MRS  
 194 MORRIS ALBERT A  
 195 BROKAW CLINTON K  
 196 SMITH HARRY W  
 198 DOUGLAS GEO B  
 199 HICKS RAY E  
 200 MARKS GUS N  
 204 KNODERER FRED H  
 205 HILL CHAS I AUTO REPR  
 206 BLEDEN GEO  
 209 FIELDER HENRY H  
 217 ARCHER TOBE F  
 219 DUNLAP GILBERT  
 223 MCGORVIN WM  
 225 KOLB LEO V NOTARY  
 245 DAVISSON STEWART B  
 248 BRADY TIMOTHY H  
 249 BENNER JESSE V  
 250 ESTELL EDITH A  
 251 SONNER HAROLD H  
 252 CALLIHAN LOTTIE MRS  
 255 ZIMMERMAN MARTIN  
 256 CREMEANS ROBT D  
 257 LONGSWORTH  
 258 WARD CECIL  
 259 ALLEN TRAVIS  
 260 WEBB IDA MRS  
 261 EDWARDS ANDREW W  
 262 DENNER JAS H  
 266 GEIGER LENA M MRS  
 267 SHARP TRUMAN R  
 268 WILSON ADA MRS  
 270 MARKLEY MARY L  
 271 MCGRATH DANL H  
 273 PRYLE LAWRENCE E  
 276 SCOTT PERCY M  
 277 DAVENPORT HERBERT  
 279 1/2 HOLLIS HARLEY Z  
 279 BOGGS CLIFFORD O  
 280 PUMMELL ADDIE MRS  
 311 WITHERS HENRY

0 COURT HOUSE (SE COR )  
 20 MCKAY HARRY J  
 20 RADCLIFF HARRY (REAR )  
 22 MCKAY HARRY J RESTR  
 31 -37 MASON HENRY A MEMORIAL STUDIO MONUMENTS  
 47 COURT HOUSE PARKING  
 49 MEISENHELDER JOHN F  
 50 FRANKLIN COUNTY COURT OF DOMESTIC RELATIONS  
 50 FRANKLIN COUNTY DEPT OF AID TO DEPENDENT CHILDREN  
 50 FRANKLIN COUNTY DETENTION HOME  
 50 FRANKLIN COUNTY JUVENILE CENTER  
 50 FRANKLIN COUNTY JUVENILE COURT  
 59 STJOHN'S EVAN PROTESTANT CHURCH  
 60 MCDONALD MARY A MRS  
 66 TEETER E EARL  
 72 INDEPENDENT PROTESTANT CH  
 79 CHURCH DOLLEAH R MRS ANTIQUES  
 81 1/2 MULTI TENANT RESIDENTIAL  
 110 MOUND JUNIOR HIGH SCH  
 113 CRAVEN THOS WO WATCH REPR  
 117 CASSIDY ELIZ L MRS FURN RMS  
 117 CASSIDY ROBT H  
 129 MCELFRESH FRANCES MRS GRO  
 129 MULTI TENANT RESIDENTIAL  
 129 TRIO MARKET GROS  
 131 SCHECTER MORRIS 2D HD GDS  
 135 1/2 WALDEN THOS C  
 135 1/2 YOUNG GERVISE A  
 135 THORNTON RACHEL F MRS  
 138 GROSS FREDK WO  
 140 ULRICH EMMA C  
 143 -43 1/2 CURRY WALTER J  
 145 1/2 ALLEN WM A  
 145 BELL CLARENCE O  
 145 BELL GLADYS E MRS 2D HD GDS  
 145 LYKINS DONA  
 147 1/2 AVALON APARTMENTS  
 147 1/2 FEDERAL COIN EXCHANGE (2)  
 147 1/2 MIDWEST ADVERTISING AGCY  
 147 1/2 MULTI TENANT RESIDENTIAL  
 147 BARROW FRANK CANDY CO WHOL CONFRS  
 176 PINKERMAN EDGAR F  
 178 MULTI TENANT RESIDENTIAL  
 183 HEER F J PRINTING CO (WHSE)  
 186 REECE PAUL R  
 189 BOWSER CLIFFORD R  
 190 KLINGER ROSA MRS FURN RMS  
 194 NIGGEMEYER FRANK  
 195 ROGERS GEO W  
 196 PINKERMAN EDGAR F  
 198 LOULAN EMILY  
 203 MCNURLIN LESTER

89 total records. Part 1 of 2

276 COLS CIO COUNCIL  
 306 1/2 ZETTLER HDW CO WHSE  
 308 VACANT  
 310 VACANT  
 312 ZETTLER HDW CO (SHIP ENT)  
 314 DIXON ANNA MRS  
 314 HIGH ANNA MRS  
 318 HOCH FLOYD  
 320 ALLEN ANNA MRS  
 341 -45 DEL MONTE APTS  
 341 -45 MULTI TENANT RESIDENTIAL  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 345 SCHWARTZ MARY B MGR  
 345 ZION EVANGELICAL LUTHERAN CHURCH (SE COR )  
 363 LLOYD EDNA M CONFR  
 365 HIP HENRY INDRY  
 371 HAMLER ELMER E AUTO PARKING  
 374 THURMAN JAS FURN RMS  
 376 BREHL WELDING & MACH WKS  
 380 MOORE ETTA M MRS FURN RMS  
 383 RAY JAS G BLKSMITH  
 384 -86 JUDY ROOFING & FURNACE CO  
 386 1/2 JUDY ARTH P  
 394 -394 1/2 BOLING EDW E  
 395 VACANT  
 396 FIPPIN VICTORIA M P MRS  
 402 DONOHUE L FRANK  
 403 HOSKINS MYRTLE MRS  
 403 VACANT (REAR )  
 404 LUERMANN EMIL H  
 404 SCHULTZ GEO S REV  
 405 1/2 MCLAUGHLIN ANNA MRS  
 405 VACANT  
 407 1/2 KERR FRANK  
 407 WATERMAN HERBERT L  
 410 TRINITY LUTHERAN CHURCH  
 413 1/2 GRIGGS SAML FURN RMS  
 415 FENTONS CLNRS & DYERS INC (BR)  
 415 WAYNE SERVICE ADV  
 428 1/2 DONALDSON RICHD  
 428 VACANT  
 434 POTTS MERL  
 434 PRYOR WALTER C  
 437 DAILEY W HERBERTSHT MTL WKR  
 438 HEDGES GEO  
 438 WOODS WM E  
 439 DAVIS ROSCOE J SHT MTL WKR  
 440 ANGEL DANL  
 440 LINK ANNA MRS  
 441 MAYER RUTH H  
 444 PETERS MILTON C  
 445 DUROS JOHN  
 445 ZAGLANIS GUS  
 447 HUFF ALBERT E  
 448 BOWMAN CLIFTON  
 449 COOK BESSIE MRS  
 450 STAGG JOS F  
 458 MORGAN ROBT E  
 460 CAMPBELL RUTH I MRS  
 462 1/2 MCCAFFERTY JOHN E  
 462 RAMEY WM  
 466 FRALEY ULYSSES S  
 466 LIVINGSTON METH CHURCH (NW COR)  
 473 1/2 CHAKERES MARY MRS  
 473 CHAKERES MARY MRS CONFR  
 475 CORBETT SYLVESTER J AUTO REPR  
 479 BAILEY ELBERT  
 480 ANDERSON JOHN R

Part 2 of 2

480 SALYERS ALF J  
 480 WOOLEY EDW H  
 481 BUCHANAN JOHN A  
 483 VACANT  
 486 1/2 WALTERS BURDETTE R  
 486 OWENS ALBERT E  
 487 JOHNSTON DELLA MRS  
 490 1/2 ABELE CARRIE  
 490 GRIFFIN KATH E MRS  
 491 FRANKS MYRTLE S  
 491 TEEGARDIN JUANA MRS BEAUTY SHOP  
 492 MULTI TENANT RESIDENTIAL  
 493 BREHL IDA MRS  
 495 PILCHER CO WHOL PLMBRS SUPPLIES  
 496 ZUBER FRANK W  
 497 MULTI TENANT RESIDENTIAL  
 499 REEVES MACHINERY CO MFRS AGTS  
 499 WEISZ ELECTRIC CO  
 500 THIBAUT GEO T FILLING STA  
 503 LAHRMER FRED H

275 OHIO - HARTMAN BLDG  
 275 OHIO STATE BUREAU OF MOTOR VEHICLES  
 275 STATE HWY PLANNING SURVEY (6TH FL)  
 309 -11 GOODYEAR TIRE & RUBBER CO INC  
 312 SOUDER SIMON P RESTR  
 314 CORIELL EDWIN  
 316 DUCO JOHN FRUITS  
 318 VACANT  
 320 VACANT  
 323 COLS PROVISION CO WHOL MEATS  
 327 1/2 VACANT  
 329 VACANT  
 332 RAPP WM  
 336 1/2 WALTERS FESTUS C  
 336 VACANT  
 336 VACANT (REAR )  
 337 -39-41 NELSON FURN CO (WHSE)  
 338 VACANT  
 340 VACANT  
 341 VACANT  
 343 BOND RESTR  
 344 -46 PLACE RESTR  
 345 VACANT  
 347 MOUND - FOURTH MARKET CONFR  
 348 1/2 GARTHEE NAN MRS  
 348 1/2 VACANT (SW COR )  
 348 1/2 WESTENHAVER ELIZ MRS  
 348 VACANT  
 364 1/2 MITCHELL AUDREY N MRS  
 364 CRAVEN'S DRUG STORES  
 370 RODENFELS LAW PRINTING CO  
 371 BAILEY HASSEL  
 371 STUMP JESSE A  
 372 -86 HEER F J PRINTING CO  
 377 COOPER WM  
 381 -85 WILLIAMSON FURN STORE  
 391 -95 GARY DELLA B MRS FURN RMS  
 405 SPRING LILLIE MRS  
 409 BAXTER RANSOM  
 409 FOURTH STREET SCHOOL (NE COR )  
 429 ACME MATTRESS CO  
 430 HAUCK CHAS A GRO  
 431 -31 1/2 LAW JAS L  
 434 CLEPPER ANDREW  
 434 GORMAN NANNIE M MRS  
 435 BLEILE A ELIZ  
 436 FERRY PATK D BARBER  
 437 EING HENRY  
 437 LULEY SIMON SHOE REPR  
 438 GALLAGHER DONALD P  
 439 MADDEN THEO N  
 443 DOERSAM MARY M  
 445 KAISER LOUIS R  
 449 TIMMONS JOHN W  
 450 BURCHMAN CARL E GRO  
 457 WHITE EMERY F  
 457 YORK RUTH MRS  
 458 MEHLER GEO BEER  
 460 1/2 PORTER KATH  
 462 1/2 ARMSTRONG CLARENCE C  
 464 WEILBACHER'S DRY GOODS STORE  
 466 1/2 GREEN NORMAN F  
 468 HEINTZ SADIE M MRS  
 470 SCHWARTZ EMILIE M  
 475 KING LYLE G FILLING STA  
 476 KRATZ HARRIET J  
 480 -82 MOTTASHED CLIFFORD G DRUGS  
 501 1/2 MCCOY KELSIE E  
 501 MCGANN ZENOBIA MRS

199 FLESH JOS WHOL PROD  
 205 KAISER JOHN WHOL FRUITS  
 207 -13 GOODMAN HARRY WHOL PROD  
 215 THALL AMON\_FRUIT CO  
 243 -44 VACANT  
 262 VACANT  
 265 HIRSCH GUSTAV ORGANIZATION (WHSE)  
 332 VACANT  
 334 MAHON JENNIE MRS  
 369 MARVIN OVAID G  
 371 SEEGER HERBERT C  
 374 PEKROS SPERO T FURN RMS  
 374 SHANER GLENN  
 391 SUTTON JESSIE A MRS  
 393 STINGER ELMER  
 395 SPHAR AIF  
 398 MARTIN WENDALL E  
 400 DOYLE GRAHAM F  
 402 WEAVER HAZEL E MRS  
 404 MCCANN THOS J JR  
 405 SMITLEY C OMAR  
 412 VACANT  
 414 KROUSE MARION C  
 414 SADLER EDW W  
 440 LAMBERT JOHN  
 447 BREECE CHAS A  
 458 GREENWALD CHAS  
 485 LEE JOSEPHINE  
 489 DAVIS PEARL  
 495 CLAAR JAS E  
 497 KUSIC JAS D  
 498 HOLZAPFEL ANNA MRS  
 504 STONEROCK GEO A

39 CAMPBELL RUTH I MRS  
 39 CORDELL JOHN M (REAR )  
 40 BYAS HENRY K  
 42 REED JOHN L  
 43 STROUP WM J  
 44 BARR JOHN W  
 46 VACANT  
 67 HAMLER ELMER E  
 69 WHITED MAE MRS  
 71 ROBINETT VERNON  
 71 SHERLOCK PEARL  
 74 APARTMENTS  
 76 VACANT  
 113 JUDY ROOFING & FURNACE CO WHSE  
 114 MCCARGISH CLYDE M  
 133 JACKSON & SMITH AUTO REPRS  
 139 PEER ELMER  
 140 BECK ELIZA MRS  
 140 LANDRY LEO N  
 141 GOODWIN ARTH L  
 143 MILLER WM S  
 144 SPEAKMAN WM C  
 146 GEYER NORMAN W  
 190 MARTIN CAROLINE MRS  
 194 MORRIS ALBERT A  
 195 BROKAW CLINTON K  
 196 SMITH HARRY W  
 198 DOUGLAS GEO B  
 199 HICKS RAY E  
 200 MARKUS GUS N  
 205 EBERT GEO L  
 206 CROW JAS A  
 209 MYERS CHAS E  
 217 ARCHER TOBE F  
 219 DEAN JOS  
 223 HARRIS WM B  
 225 KOLB LEO C NOTARY  
 245 DAVISSON STEWART B  
 248 BLAKE ROBT D  
 249 BOWSHIER WILLIS E  
 250 LITTRELL LOUIS P  
 251 KING LUCY L  
 252 CALLIHAN LOTTIE MRS  
 255 MYERS HARRY W  
 256 LARGE WALTER E  
 257 JARVIS HORACE G  
 258 DAVY CHAS E  
 259 FINK JOS E  
 260 SHERIDAN LLOYD C  
 261 EDWARDS ANDREW W  
 262 HOLSHUE NELSON  
 266 GEIGER HENRY O  
 267 THOMPSON REBECCA MRS  
 268 WILSON ADA MRS  
 270 MARKLEY JAS M  
 271 MCGRATH SAML H  
 273 PRYLE LAWRENCE E  
 276 SCOTT PERCY M C  
 277 DAVENPORT HERBERT  
 279 OLIVER DONALD L  
 280 CRAMER RAYMOND D  
 311 VACANT  
 2792 VACANT

0 COURT HOUSE (SE COR )  
 20 BUEHL GEO  
 20 MCKAY HARRY J  
 22 MCKAY HARRY J RESTR  
 31 HENRY A MEMORIAL STUDIO MONUMENTS  
 49 STAGG JOS F AUTO PARKING  
 50 FRANKLIN COUNTY COURT OF DOMESTIC RELATIONS  
 50 FRANKLIN COUNTY JUVENILE CENTER  
 59 STJOHN'S EVAN & REFORMED CH  
 60 MCDONALD MARY A MRS  
 66 TEETER E EARL  
 72 INDEPENDENT PROTESTANT  
 79 CHURCH DELLEAH MEWANTIQUES  
 113 CRAVEN THOS WO WATCH REPR  
 117 MILLER WM F FURN RMS  
 123 PEKROS SPERO T  
 129 VACANT  
 131 SPEISMAN JULIUS J 2D HD GDS  
 135 HOLTON JESSE R  
 135 THORNTON RACHEL F MRS  
 138 GROSS FREDK WO  
 140 ULRICH EMMA C  
 143 EVANS MARY A MRS  
 143 WILKES JOS  
 145 CORDELL HOWARD W  
 145 ROSS JAS B BARBER  
 147 BARROW FRANK CANDY CO WHOL CONFERS  
 147 TERRELL EVA L MRS FURN RMS  
 178 APARTMENTS  
 183 HEER F J PRINTING CO WHSE  
 186 MURPHY LILLIAN MRS FURN RMS  
 189 THOMAS HENRY G  
 190 KLINGER JOS  
 194 BOMM J CARLTON  
 195 BROYLES MINNIE MRS  
 196 VACANT  
 198 GEORGE CHAS F  
 203 MENURLIN VERNA C MRS  
 811 APARTMENTS  
 1104 MOUND JUNIOR HIGH SCH  
 1291 APARTMENTS

## 82 total records. Part 1 of 2

0 LIVINGSTON METH CHURCH (NW COR )  
 0 ZION EVANGELICAL LUTHERAN CHURCH (SE COR )  
 278 VACANT  
 306 ZETTLER HDW CO WHSE  
 308 VACANT  
 310 VACANT  
 312 ZETTLER HDW CO SHIP ENT  
 314 HIGH ANNA MRS  
 318 HOCH FLOYD  
 320 DOLBY WM A  
 341 DEL MONTE APTS  
 345 MULTI TENANT RESIDENTIAL  
 363 LLOYD EDNA M CONFR  
 365 CHINN PAUL  
 365 WAYNE HAND LNDRY  
 374 BENTLEY HUGH  
 376 BREHL WELDING & MACH WKS  
 380 VANALLEN WM  
 381 VACANT  
 383 RAY JAS G BLKSMITH  
 384 ROOFING & FURNACE CO  
 386 JUDY ARTH PO  
 394 ADLER SARAH MRS  
 394 GOFF ELIZ MRS  
 395 ADKINS JAS FILLING STA  
 396 FIPPIN VICTORIA M MRS  
 402 DONOHOE L FRANK  
 402 FINTACO JOHN  
 403 GOODWIN OYSTER CO  
 404 SCHULTZ GEO S REV  
 405 HAMER JOS T  
 405 HOSKINS LESTER W  
 405 MCLAUGHLIN ANNA MRS  
 407 CARR FRANK  
 407 WATERMAN HERBERT L  
 410 TRINITY LUTHERAN CHURCH  
 413 GARDNER TENA MRS FURN RMS  
 415 ALTMAN F & SON ADV  
 415 EXCLUSIVE DISTRIBUTORS ASSN  
 415 WAYNE SERVICE ADV  
 428 TIMES VENDING EXCHANGE  
 428 VACANT  
 434 DECKER STELLA M MRS  
 437 DAILEY W HERBERTSHEET METALWKR  
 438 KLOTZ EMIL I REV  
 439 ADLER JULIUS  
 440 ANGEL DANL  
 441 MAYER RUTH H  
 444 LYTTON JOS HO  
 445 ZAGLANIS GUST O  
 447 HUFF ALBERT E  
 448 GUNTHER WM M  
 449 COOK BESSIE MRS  
 450 THOMAS BETTY J MRS  
 458 MORGAN ROBT E  
 460 FINNEY CHAS H  
 462 LIGHTFOOT KENNETH GRO  
 462 PILKINGTON DOROTHY I MRS  
 466 HARNER EMMA L MRS  
 473 CHAKERES CATH MRS  
 473 CHAKERES MARY CONFR  
 473 PERIVOLIOTIS THOS O  
 475 IDEAL MOWER SALES & SERVICE LAWN MOWERS  
 475 LOWE CLARENCE A MFRS AGT  
 479 DANIELS CHAS O  
 480 BOGGS DANL PRINTER  
 481 WAKEFIELD MARIE MRS DRSMKR  
 483 JAMISON MAE MRS  
 486 OWENS ALBERT E O

## Part 2 of 2

487 JOHNSTON DELLA MRS O  
 490 GRIFFIN KATH E MRS  
 491 TEEGARDIN JUANA MRS BEAUTY SHOP  
 492 APARTMENTS  
 493 BREHL IDA MRS O  
 496 ZUBER FRANK  
 497 APARTMENTS  
 499 REEVES MACHINERY CO MFRS AGTS  
 499 WEISZ CHAS MO CONTR  
 499 YOUNG WM M INS ADJUSTER  
 500 HILL CHAS I FILLING STA  
 503 CAUDY ERNEST E EXP  
 4954 HERREL JOHN & SONS INC SALES RMS

## 73 total records. Part 1 of 2

0 FOURTH STREET SCHOOL (NE COR)  
 0 VACANT (SW COR )  
 275 OHIO - HARTMAN BLDG  
 275 OHIO STATE BUREAU OF MOTOR VEHICLES  
 275 STATE HWY PLANNING SURVEY (6TH FL)  
 309 NELSON FURN CO WHSE  
 312 SOUDER SIMON P RESTR  
 314 DUNCAN CLAUDE F FURN RMS  
 316 WEISZ FLORENZ B FIRM OF COAL  
 318 PARSONS DEWEY E  
 318 PARSONS NOVELTY SHOP 2D HD GDS  
 320 HUFFMAN ALTA MRS RESTR  
 323 COLS PROVISION CO MEATS  
 327 EDINGTON ROBT  
 329 TOWNSLEY PRINTING CO  
 332 KLEINFELTER GEO J  
 336 HILL MARGT NOVELTIES  
 336 VACANT (REAR )  
 336 WALTERS FESTES C  
 337 TRADING POST THE 2D GDS  
 338 VACANT  
 339 VACANT  
 340 KROGER GRO & BKG CO  
 341 VACANT  
 343 KUEHN HERMAN RESTR  
 344 CHARLEY'S PLACE RESTR  
 345 LANG'S BAKERY  
 346 MEUSER FRED J GRO  
 347 MOUND - FOURTH MARKET GROS  
 348 EMMERT OLIVIA S  
 348 FINK MARY E  
 348 VACANT  
 348 WESTENHAVER ELIZ MRS  
 364 CRAVEN'S DRUG STORES  
 364 MITCHELL AUDREY N MRS  
 370 RODENFELS LAW PRINTING CO PRINTERS  
 371 VACANT  
 372 F J PRINTING CO  
 372 OUTDOORSMAN H T T MAGAZINE  
 377 ATKINS FRANK  
 381 FURN STORE  
 391 GARY JACK FURN RMS  
 409 KENNEDY AGNES MRS  
 429 4MURRAY JENNIE MRS  
 430 HAUCK CHAS A GRO  
 431 BUCHANAN GENARD A  
 431 HAMMOND FRANK B  
 431 MURRAY JENNIE MRS FURN RMS  
 434 DORSEY EMMA MRS  
 435 BLEILE A ELIZ O  
 436 SPRINGER HENRY A BARBER  
 437 EING HENRY  
 437 LULEY SIMON SHOE REPR  
 438 FOSTER CHAS C  
 439 HILL MARGT MRS  
 443 DOERSAM MARY MO  
 445 WICKS CURTIS  
 449 TIMMONS JOHN W  
 450 BURCHMAN CARL E GRO  
 457 VACANT  
 458 RABOLD GRILL RESTR  
 460 PORTER KAY  
 462 ARMSTRONG CLARENCE C  
 464 WEILBACHER'S DRY GOODS STORE  
 466 STONE ELMER O  
 468 HEINTZ SADIE M MRS  
 470 SCHWARTZ EMILIE MO  
 475 KING LYLE G FILLING STA  
 476 KRATZ HARRIET JO

## Part 2 of 2

480 DRUG CO PATENT MEDICINE  
 501 RICCA GEO  
 501 SUMMERMAN MAX  
 4294 ACME MATTRESS CO

50 LANE ROBT E  
 199 LOFT GRILL RESTR  
 199 MERCURIO PHILIP  
 205 KAISER JOHN WHOL FRUITS  
 207 GOODMAN HARRY WHOL FRUITS  
 211 WPA FEDERAL AGENCIES RECORDS  
 215 THALL AMON FRUIT CO  
 243 WPA SEWING PROJECT  
 262 VACANT  
 265 HIRSCH GUSTAV ORGANIZATION WHSE  
 328 STAR FURNITURE CO WHSE  
 332 FURNITURE ADVERTISING SERV  
 334 MAHON JENNIE MRS  
 369 MCCANN THOS J  
 371 CLAYPOOL CHAS J  
 374 BROADLEY CARL  
 391 SUTTON JESSIE A MRS  
 393 EMERSON JOHN E  
 395 SPAHR ALF  
 398 MITCH W FRED  
 400 MINISTER CHAS F  
 402 WEAVER RAYMOND S  
 404 JENKINS CLIFFORD  
 405 WITTMAN WM J  
 412 MCCANN THOS J  
 414 BAUR HENRY  
 440 GORDON FERREL E  
 447 BREECE CHAS A  
 458 ALLARD EVA MRS  
 485 BURNSIDES CLYDE W  
 489 VACANT  
 495 CLAAR JAS E  
 497 KUSIC JAS D  
 498 HOLZAPFEL ANNA MRS

39 BRIGHT STEPH B  
 40 BYAS HENRY K  
 42 REED JOHN L  
 43 VANGUNDY JOHN F  
 44 BARR JOHN  
 44 DENNY JOHN R  
 46 VACANT  
 67 MITCHELL WALTER N  
 69 MORSE CHAS E  
 71 SEURLOCK PEARL  
 74 APARTMENTS  
 76 HOPPUS RUFUS C  
 113 GOODWMN OYSTER CO  
 114 COBOURN JOS  
 140 BECK ELIZA MRS  
 140 LANDRY LEO N  
 140 WAGNER CLAUDE C  
 141 DANIEL CLARA MRS  
 143 MILLER WM S  
 144 LEVERING PEARL E  
 146 VACANT  
 190 MARTIN CARRIE MRS  
 194 MORRIS ALBERT A  
 195 BROKAW CLINTON K  
 195 BUSH JENNIE B MRS  
 198 DOUGLAS GEO B  
 199 SILBER LOUIS  
 200 MARKOS GUS N  
 204 KNODERER FRED H  
 205 FLOWERS RAYMOND F  
 206 CROW JAS A  
 209 MYERS CHAS E  
 217 SHUMON HELEN M MRS  
 219 GRAVER GOLDIE M MRS  
 223 BAUER ROBT J  
 223 KOLB LEO V NOTARY  
 235 MYERS HARRY W  
 245 VACANT  
 248 MCGRATH DANL  
 249 ARNOLD MILTON P  
 250 DAVIS SADIE S MRS  
 251 BYRD JACK  
 252 STEPELTON EVERETT L  
 256 BURGETT ELZA  
 257 POPE FREDK F  
 258 DAVY CHAS E  
 259 ARCHER NELSON E  
 260 VANHOUTEN SILAS H  
 261 EDWARDS ANDREW  
 262 WITTKAMP HENRY B  
 266 GELGER HENRY  
 267 THOMPSON REBECCA MRS  
 268 WILSON RAYMOND B  
 270 FISH JENNINGS C  
 271 COMMEANS ROSE A  
 273 ATKINSON FRANK G  
 276 SCOTT PERCY M  
 277 DAVENPORT HERBERT  
 279 MCCOY WALTER C  
 280 DOUGHTY ALBERT  
 311 WILSON GEO  
 439 WYCUFF THOS  
 2791 O'NEAL CHAS R

0 COURT HOUSE (SE COR )  
 20 BOYLE SAML  
 22 HOWERTON IRVIN L RESTR  
 31 MASON HENRY A  
 34 NONNENMACHER HENRY L  
 36 FRANK FERDINAND  
 40 GREY ANNA B MRS  
 46 GUTHKE RICHD 0 JR  
 49 STAGG JOS F AUTO PARKING  
 50 FRANKLIN COUNTY JUVENILE DETENTION HOME  
 59 STJOHN'S EVAN & REFORMED CHURCH  
 60 MCDONALD MARY A MRS  
 66 GODSALL JANE MRS  
 72 IND PROTESTANT CHURCH  
 75 DAVIS JOHN AUTO REPR  
 79 VACANT  
 81 APARTMENTS  
 113 CRAVEN THOS W WATCH REPR  
 117 MILLER WM FURN RMS  
 123 WILSON HOWARD B  
 129 JEAN'S GROCERY  
 130 MOORE DAVID ROOMS  
 131 SPEISMAN JULIUS 2D HD GDS  
 134 MOORE DAVID  
 135 HARRIS SNODE  
 135 PELTER SAML FURN RMS  
 138 GROSS FREDK W  
 140 ULRICH EMMA C  
 143 VACANT  
 145 NEWPOFF ROSE 2D HD GDS  
 147 BARROW FRANK CANDY CO WHOL CONFRS  
 147 TERRELL EVA L MRS  
 183 VACANT  
 186 KLINGER JOS  
 189 THOMAS HENRY G  
 190 LARGE MAE MRS  
 191 BOMM J CARLTON  
 195 BROYLES MINNIE MRS  
 196 GCEBEL JOS A  
 198 COPELAND HATTIE  
 201 O  
 203 MENURLIN VERNA C MRS  
 1291 APARTMENTS  
 1451 VACANT

97 total records. Part 1 of 2  
 0 LIVINGSTON ME CHURCH (NW COR )  
 0 MOUND JUNIOR HIGH SCH (NE COR )  
 0 TRINITY EVAN LUTH CH (NE COR )  
 0 ZION EVAN LUTH CHURCH (SE COR )  
 278 MURRAY GERTRUDE MRS I  
 306 APARTMENTS  
 308 VACANT  
 310 HIP HENRY INDRY  
 312 VACANT  
 314 HIGH ANNA MRS  
 318 HOKE NEWTON S  
 320 HOSKINS LESTER W  
 341 APARTMENTS :  
 341 DEL MONTE APTS  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 363 MORRIS EMMOR F GRO  
 365 VACANT  
 371 CAPLINGER RAY R  
 371 CARTWRIGHT HARLEY R  
 373 BROWN WM (REAR )  
 373 BUCKLEY ROY C  
 374 MCGOWAN JOHN H  
 376 BREHL JOS C WELDER  
 377 SAGE HARLEY H  
 380 BROWN HARRY H  
 381 STOOKEY ELIZ  
 383 RAY JAS G BLKSMITH  
 384 JUDY ARTH P ROOFER  
 394 ADLER SARAH MRS  
 394 HUBER CAROLINE L MRS  
 395 WALDO JOHN D FILLING STA  
 396 FIPPIN VICTORIA M MRS  
 402 DONOHOE L FRANK  
 403 GOODWIN OYSTER CO (REAR )  
 403 METCALF JOS R  
 404 SCHULTZ GEO S REV  
 405 CHESTER CHAS  
 405 SULLIVAN JAS E  
 407 CAYLOR ELMER  
 407 VACANT  
 411 DONALDSON GEO  
 413 GARDNER TENA MRS  
 415 ALTMAN F & SON ADV  
 415 ALTMAN F & SON DISPLAY SERVICE  
 415 EXCLUSIVE DISTRIBUTORS ASSN  
 428 DONALDSON SAML W  
 428 RELIABLE ADVERTISING & DISTRIBUTING CO  
 430 DAVISSON STEWART B GRO  
 430 LIGHTFRITZ CHRISTINE R MRS  
 434 BOYLES CHAS  
 434 DECKER STELLA M MRS  
 434 O'CONNORS WM  
 434 POOLE THOS  
 437 DAILEY W HERBERT SHEET METAL WKR  
 438 KLOTZ EMIL I REV  
 439 ADLER JULIUS  
 440 ANGEL DANL  
 440 REED WM B  
 441 MAYER LILLIE MRS  
 444 HARRIS HOMER  
 445 ZAGLANIS GUST  
 447 MCCOLLUM HOWARD C  
 448 HOFFMAN LESTER L  
 448 WEEKLEY HOWARD D  
 449 COOK BESSIE MRS  
 450 THOMAS BETTY J MRS  
 458 BISER ALICE J MRS  
 460 PETERS LAURA A MRS

## Part 2 of 2

462 BOYER WM  
 462 SINGER FLORENCE MRS CONFR  
 466 DECKER BURRELL V  
 473 CHAKERES MARY  
 473 CHAKERES MARY CONFR  
 475 LOWE CLARENCE A MFRS AG  
 479 TROUT SOPHIA MRS  
 480 BOGGS DANL PRINTER  
 480 BOGGS FLORENCE L. MRS  
 480 CLEMENS SAML G  
 481 VACANT  
 483 VACANT  
 486 BREHL CAROLINE MRS  
 487 JOHNSTON WM L  
 490 GRIFFIN KATH E MRS  
 491 PATHIS THOS  
 492 APARTMENTS  
 493 BREHL IDA MRS  
 495 HERREL JOHN & SONS INC SLS RMS  
 496 TIPTON OSCAR U  
 497 APARTMENTS  
 499 COE JOHN C MFRS AGT  
 499 REEVES MACH CO  
 499 WEISZ CHAS MELEC CONTR  
 503 HOLLADAY LENA PHYS  
 503 MCGUIRE GRACE E MRS  
 3842 ANDERSON THURMAN C  
 38642 MAISH LOUIS

## 82 total records. Part 1 of 2

0 BURGESS SERVICE STA FILLING STA (SW COR )  
 0 FOURTH ST SCH (NE COR )  
 0 KING LG ALLING STA (NW COR )  
 275 MOTOR VEHICLES  
 275 OHIO HARTMAN BUILDING  
 275 OHIO STATE BUREAU OF  
 275 STATE DEPT OF LIQUOR CONTROL  
 309 SOUDER SIMON P RESTR  
 309 VACANT  
 310 KROGER GRO & BKG CO  
 311 DUNEAN CLAUDE  
 314 MEUSER FRED J GRO  
 314 WEISZ FLORENZ B FIRM OF COAL  
 318 KING HOWARD BARBER  
 320 ARRIGO S & SON FRUITS  
 323 COLS PROVISION CO MEATS  
 327 STALL DAVID L FURN RMS  
 329 EBERT HERMAN G SHOES  
 330 KRUMM MARTIN CO IRON  
 332 HORN LAWRENCE  
 336 DURTHALER EFW FISH  
 336 VANALSTINE MARTHA B MRS CONTR MFR (REAR )  
 336 WALTERS NELLIE & MRS  
 337 STULL & EDINGTON 21 HD GDS  
 338 SHANE EMMA RESTR  
 339 MONYPERY HAMMOND CO BR GROS  
 341 COLS HEROLD THE NEWS PAPER  
 341 KRAUSE H A PUBLISHING CO  
 343 KUEHN HERMAN RESTR  
 344 DAVY CHAS E BILLIARDS  
 345 LANG'S BAKERY  
 347 MONETT'S FOOD MKT GROS  
 348 EMMERT OLIVIA S  
 348 FINK MARY E  
 348 VACANT (3D FL )  
 348 WESTENHAVER ELLZ MRS  
 350 COLUMBUS COOKLE & CAKE CO  
 364 CHAMPE ADA L  
 364 CRAVEN'S DRUG STORE  
 364 DIRECTORY OFFICE  
 364 POLK R L & CO CITY  
 370 TOOTHAKER & RODENFELS PRINTERS  
 371 VACANT  
 372 HERR F J PRINTING CO USED FURN  
 376 HEER FJ PRINTING CO  
 376 HUNTER - TRADER - TRAPPER PERIODICAL  
 377 MCGILL JAS E  
 377 STALEY WM S  
 377 THOMPSON ANDREW J  
 381 WILLIAMSON FURN CO WHSE  
 391 DAVY ALVA G  
 393 ELKINS ELIZ MRS  
 395 HAWK EVERETT  
 405 GEISE EMILY MRS  
 409 LAFFERY SARAH E MRS  
 429 BARKER PATK  
 429 LEE PRINTERS INC  
 430 HAUCK CHAS A CONFR  
 431 MURRAY JENNIE MRS  
 431 YOUNG MAMIE MRS  
 434 DORSEY EMMA MRS  
 435 BLEILE A ELIZ  
 436 SPRINGER HENRY A BARBER  
 437 LULEY SIMON SHOE REPR  
 438 SWARTZ SAML  
 439 HOOD THOS J  
 443 DOERSAM MARY M  
 445 BAKER ALICE A MRS  
 449 HUISS ROY E

## Part 2 of 2

450 SCHMIDT JACOB PLMBR  
 457 SAUNDERS ELIZ B MRS  
 458 SCHMITT SADIE R MRS RESTR  
 460 SCHMITT THEO A  
 462 ARMSTRONG CLARENCE C  
 464 WEILBACHER'S DRY GOODS  
 466 STONE ELMER O  
 468 HEINTZ SADIE M MRS  
 470 SWARTZ EMELLE M  
 476 KRATZ HARRIET J  
 480 PIERCY DRUG CO  
 501 BALLINGER MARY E MRS  
 5011 LIVESAY CHAS A

0 FARMERS MARKET (WS )  
 199 FLESCH JOS RESTR  
 205 HARDING & KAISER WHOL FRUITS  
 207 GOODMAN HARRY WHOD FRUITS  
 215 THALL AMON FRUIT CO  
 262 ELPENN OIL CO  
 262 KNOX CHEMICAL CO  
 265 VACANT  
 328 NOICE PRINTING CO  
 369 MCCANN THOS J  
 371 MILLER JAS V  
 374 BENJAMIN ROBT A  
 374 TAYLOR AMANDA MRS  
 376 WIGGINS RUSSELL R  
 391 SUTTON JESSIE A  
 393 EMERSON JOHN E  
 395 SPHAR ALF  
 398 BROYLES OLIVER P  
 400 MINISTER CHAS F  
 402 FESTER BARBARA  
 404 JENKINS CIFFORD  
 405 BYERS WILHELMINA C MRS  
 412 WAITE KATH M MRS  
 414 LANDAKER EDWIN C  
 440 RIFE OZA  
 440 ROGERS JOS E  
 447 BREECE CHAS A  
 458 LEVALLEY MILNER S  
 458 MAHON HARRY H  
 458 STONEROCK HOMER H  
 485 BURNSIDES EMMA MRS  
 489 VACANT  
 495 CLAAR JAS E  
 497 KUSIC JAS D  
 498 HOLZAPFEL HENRY W  
 504 SMITH FLOYD A

39 BRUCE LONZO  
 40 VACANT  
 42 VACANT  
 43 TUCKER SAML W  
 44 SHARITS LEONA R  
 46 VACANT  
 50 VACANT  
 67 MAUPIN THOS E  
 69 HENTHORNE PAUL  
 71 WASSEN FREDA MRS  
 74 APARTMENTS  
 113 GOODWIN OYSTER CO  
 114 BIETE EMMA MRS  
 131 VACANT  
 134 HOFFHINES PHILIP  
 136 MILLER WALTER P  
 139 REED CLYDE P  
 140 BECK ELIZA MRS  
 141 WIGGINS R RAY  
 143 MILLER WM S  
 144 VACANT  
 146 KINCAID LUTHER  
 190 MARTIN CARRIE MRS  
 194 VACANT  
 195 BOTT JENNIE MRS  
 196 TIMMONS MACK  
 198 PETERS LORA  
 199 SILBER ISSO  
 200 CUMMINGS SYLVANUS  
 204 KNODERER FRED H  
 205 HOUSE DAVID  
 206 CROW JAS A  
 209 MYERS CHAS E  
 217 HERBSTER ADAM  
 217 SHUMON HELEN M  
 219 KOCHER WM S  
 222 VACANT  
 223 ROSE ELIZ MRS  
 225 KOLB LEO V  
 245 VACANT  
 248 WILKIE ALBERT F  
 249 WISMAN ELWOOD  
 250 BAKER HARRY  
 250 MEAD JOHN  
 251 HAYMAN CARL L  
 252 SMITH CHAS E  
 255 MCCUTCHIN ROBT E  
 256 JONES WM  
 257 CONN MARY  
 258 LYTLE HOMER  
 259 FERGUSON HERBERT  
 260 HAMMON WM C  
 261 BECKER ANDREW P  
 262 HOYT CATH MRS  
 265 BLADEN GEO  
 266 GEIGER HENRY  
 267 FARLAND LOUIS  
 268 WILSON RAYMOND B  
 270 FULLER EDNA M MRS  
 271 DENMAN ARTH R  
 273 IMHOFF WM  
 276 MCDONALD LAURA MRS  
 276 THOMAS JOHN  
 277 DAVENPORT HERBERT  
 279 BOTZ THOS G  
 279 KELLY EDW F  
 280 BARR RAYMOND W  
 297 TANNER HARLEY  
 3112 THOMPSON CHAS A

0 COURT HOUSE (SE COR )  
 0 MOUND JUNIOR HIGH SCH (NE COR )  
 20 RADER ALBERT K  
 22 RADER ALBERT K RESTR  
 31 MASON HENRY A  
 34 NONNENMACHER HENRY L  
 36 FRANK FRED G  
 40 HEARN JOHN A  
 46 GUTHKE RICHD 0  
 46 GUTHKE RICHD 0 JR  
 49 WISECARVER KATH E MRS  
 50 FRANKLIN COUNTY JUVENILE DETENTION HOME  
 59 STJOHN'S EVAN CHURCH  
 60 MCDONALD MARY A MRS  
 66 WILSON HARRIETT A MRS  
 72 IND PROTESTANT CHURCH  
 75 BRECKLER JOS H AUTO REPR  
 79 STREET TRANS & STORAGE  
 81 MULTI TENANT RESIDENTIAL  
 113 CROWEN THOS W WATCH REPR  
 113 KIGER GEO 0  
 117 MANNING CECIL 0  
 117 SHANK CATH MRS  
 123 RILEY GRACE  
 129 APARTMENTS  
 129 MOUND STREET MARKET  
 130 VACANT  
 131 SPEISMAN JULIUS 2D HD GDS  
 134 SMITH HARRIET J MRS  
 135 CARD HAZEL 0  
 135 EVERSOLE JAS  
 138 GROSS FRED W  
 140 ULRICH EMMA C  
 143 BELL CLARENCE 0  
 143 VACANT  
 145 GOEBEL JOS A  
 145 HOSKINSON FLOYD F  
 147 BARROW FRANK CANDY CO WHOL CONFRS  
 151 MILLER OIL CO STA  
 179 VACANT  
 183 DEAN ENGRAVING CO  
 186 NOTHSTINE SADLE MRS  
 189 DARST GRANT  
 189 THOMAS HENRY G  
 190 UPFOLD FRANCES MRS  
 194 BOMM JOS F  
 195 LEHNER ANDREW  
 196 HAMMERSTEIN HENRY  
 198 GRAY COLINDA MRS  
 203 MCNURLIN VERNA C MRS  
 1472 MIEBACH CATH MRS

## 94 total records. Part 1 of 2

0 JUNIOR HIGH SCHOOL (NE COR )  
 0 LIVINGSTON M E CHURCH (NW COR )  
 0 TRINITY EVAN LUTHERAN CH (NE COR )  
 0 ZION EVAN LUTH CHURCH (SE COR )  
 278 POOLE MARY A MRS FURN RMS  
 306 APARTMENTS  
 308 HICKMAN IDA MRS  
 308 SNIDER HENRY H  
 310 HONG HARRY INDRY  
 312 VACANT  
 314 HIGH HARVEY E  
 318 HENNIS HAROLD  
 320 VACANT  
 341 APARTMENTS :  
 341 DEL MONTE APTS  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 363 MORRIS EMMOR F  
 365 BEARD BEACH SIGNS  
 371 AKERS JAS E  
 371 MYERS MARY B MRS  
 373 HESTON MARGT E MRS  
 373 REAR VACANT  
 374 MCGOWAN JOHN H  
 376 BREHL JOS C WELDER  
 377 BLEVINS HARRY  
 380 TIPPLE JOS C  
 381 VACANT  
 383 CORNELL EDWIN BLKSMITH  
 384 JUDY ARTH ROOFER  
 386 VACANT  
 394 ADLER ACIE  
 394 HUBER CAROLINE L MRS  
 395 HIVELEY OIL CO FILLING STA  
 396 FIPPIN VICTORIA M MRS  
 402 GLASS PETER J  
 403 FRANCIS ALLEN  
 403 FRANCIS DRY CLEANERS  
 404 SCHULTZ GEO S REV  
 405 GALLAGHER ETHEL N  
 405 VACANT  
 407 TCURVILLE CHAS E  
 407 VACANT  
 411 BURCHFIELD ALBERT W  
 413 GARDNER TENA MRS  
 415 ALTMAN F & SON ADV  
 415 ALTMAN F & SON DISPLAY SERVICE  
 415 EXCLUSIVE DISTRIBUTORS ASSN ADV  
 428 MICHAELS JOHN RESTR  
 428 VACANT  
 430 EITEL HENRY BARBER  
 430 REID LILLIE  
 434 HUMPHREYS MARY MRS  
 434 TAYLOR ARMOR  
 434 TAYLOR RAY F  
 437 DAILEY WH SHEETMETALWKR  
 438 MAYER JOHN REV  
 439 ADLER JULIUS  
 440 ANGEL DANL  
 440 SCHWARTZ M ANNA DRSMKR  
 440 SCHWARTZ MARY MRS  
 441 MAYER MILLIE MRS  
 444 HUGHES JAS M  
 445 ZAGLANIS GUS  
 447 ADAMS WALTER K CIGAR MFR  
 448 BRECCE CHAS A  
 449 BENJAMIN FRANK E  
 450 THOMAS BETTY J MRS  
 458 HOCH NEWTON S

## Part 2 of 2

460 KAMMERER DENSEL L  
 462 SADDLER ROY H  
 462 SADDLER ROY H GRO  
 462 VACANT (REAR )  
 466 DECKER BURRELL V  
 473 CHAKERS NICHOLAS GRO  
 475 VACANT  
 477 TRUCK TIRE SERVICE CO  
 480 MYERS & PALMER CO FUNERAL DIRECTORS  
 481 DILDINE OSCAR F  
 483 VACANT  
 486 FREHL CAROLINE MRS  
 487 JOHNSTON WM L  
 490 GRIFFIN KATH E MRS  
 491 NIBLING EDNA E MRS  
 492 VACANT  
 493 BREHL JOS C  
 495 YORK ICE MACH CORP  
 496 KAETZEL WM P  
 497 APARTMENTS  
 499 REEVES MACH CO  
 502 VACANT  
 503 AHN ALBAN A PHYS  
 503 SCURLOCK J MAY MRS  
 3842 JONES EARL L

## 86 total records. Part 1 of 2

0 FOURTH ST SCH (NE COR )  
 0 STANDARD OIL CO STA (NW COR )  
 275 OHIO - HARTMAN BUILDING  
 275 OHIO STATE DEPT OF AGRICULTURE  
 275 OHIO STATE DEPT OF HWYS  
 275 OHIO STATE DEPT OF PUBLIC WORKS  
 275 OHIO STATE DIV OF ANIMAL INDUSTRY  
 275 OHIO STATE DIV OF ARCHT AND ENG  
 275 OHIO STATE DIV OF CONSERVATION  
 275 OHIO STATE DIV OF FEED AND FERTILIZERS  
 275 OHIO STATE DIV OF FOOD AND DAIRIES  
 301 VACANT  
 309 DEVORE MFG CO CHEMISTS  
 309 MIDWEST DRUG CO MED MFRS  
 312 SOUDER SIMON P RESTR  
 314 FLETCHER WM K ROOMS  
 316 WEISZ FLORENZ B COAL  
 318 BARTLEBAUGH WM A BARBER  
 320 DAUER EDW T FRUITS  
 323 COLS PROVISION CO MEATS  
 330 KRUMM MARTIN CO IRON WKRS  
 332 GRAY LULU M MRS  
 336 GROFF GEO W FISH  
 336 GROFF LOUISE MRS  
 337 VACANT  
 339 EBERT C GUSTAV SHOES  
 340 KROGER'S GROS  
 341 COLS HEROLD  
 343 KUEHN HERMAN RESTR  
 344 SIEGEL DORA DRY GDS  
 345 LANG SOPHIA MRS BAKER  
 346 MEUSER FRED J GRO  
 347 SHERWOOD TIRE SERVICE CO  
 348 BECKER MAYME  
 348 EMMERT OLIVIA S  
 348 UNION HALL  
 348 WESTENHAVER LOUISE MRS  
 350 FOURTH & MOUND BAKERY  
 364 BURKE ROBT F  
 364 CRAVEN'S DRUG STORE  
 364 POLK R L & CO CITY DIRECTORY OFFICE  
 366 VACANT  
 371 STERLING STEPH RESTR  
 374 TOOTHAKER & RODENFELS PRINTERS  
 376 HEER F J PRINTING CO  
 376 HEER FJ & WF CO PUBLRS  
 376 HUNTER - TRADER - TRAPPER PERIODICAL  
 377 VACANT  
 381 VACANT  
 393 KIMBLE CHAS E  
 395 LAFFREY SARAH E MRS  
 405 GIESE EMILY MRS  
 409 DALTON BERRY  
 429 VACANT  
 430 MARX MALT CO  
 431 KELLER LEE E  
 431 SIGAFOOSE OTTO W PLSTR CONTR  
 431 VACANT  
 434 DORSEY GEO W  
 435 BLEILE ANNA E  
 435 BLEILE HERMAN H  
 436 BROWER MOSES BARBER  
 437 LULEY SIMON SHOE REPR  
 437 SWEENEY ANNA  
 438 CRABTREE THEO W  
 439 VACANT  
 442 FLINT ROY P  
 442 MERZ EDW  
 443 DOERSAM MARY M

## Part 2 of 2

445 LIGGETT GORDON E  
 449 NORTH JOS W  
 450 SCHMIDT JACOB PLMBR  
 457 SAUNDERS ELIZ E MRS  
 458 SCHMITT BROS GROS  
 460 SCHMITT CAROLINE MRS  
 462 O'NEIL EDNA MRS  
 464 WEILBACHER BERT E DRY GDS  
 466 BEERY ELIZA J MRS  
 468 HEINTZ MAMIE MRS  
 468 HEINTZ SADIE MRS  
 470 VACANT  
 476 KRATZ LOUISE  
 480 PIERCY PHARMACY  
 501 BALLINGER MARY MRS  
 5012 MICKSCH GEORGIA MRS  
 32712 STULL LEWIS P ROOMS

0 CITY ICE & FUEL CO STA (NW COR )  
 3 : 3 NEWTON HELEN  
 199 T - S BATTERY & IGNITION CO  
 243 STATE MOTOR TRANSPORT DEPI  
 262 REEB THEO N POULTRY  
 265 BURGESS GARAGE  
 328 NOICE PRINTING CO  
 369 PAMSEY EDITH  
 374 VACANT  
 376 VACANT  
 379 VACANT  
 386 REAMES ROBT A  
 391 SUTTON JESSIE MRS  
 393 EMERSON JOHN E  
 395 VACANT  
 398 VACANT  
 400 VACANT  
 402 FESTER BARBARA MRS  
 404 WALTERS FESTUS C  
 405 BYERS MARCUS A  
 405 BYERS WILHELMINA MRS  
 412 CARRIGAN JAS J  
 440 JUNGKUR MARGT  
 447 BOTTS WM J  
 458 DONOVAN ALVA  
 485 BURNSIDES EMMA MRS  
 489 VACANT  
 495 CRYDER CLARENCE E  
 497 KUSIC JAS D  
 498 HOLZAPFEL HENRY W  
 504 STORICK FRANK F

39 PARKER D M  
 40 SALYARDS JOHN  
 42 WORKMAN ABE  
 43 PARKER D L  
 43 WILSON ROBERT  
 44 MURPHY FRANK  
 46 VACANT  
 50 VACANT  
 67 SHAW I E MRS  
 69 CURMODE ALMEDIA MRS  
 71 MANLY FREDA MRS  
 74 CONTE  
 74 APARTMENTS  
 76 MINOR JOSEPH  
 113 RELIABLE PLUMBING CO  
 114 BLETE EMMA MRS  
 134 HOFFHINES ESTELLA MRS  
 136 KALB E E MRS  
 139 HARRIS ALBEY  
 140 BECK ELIZA MRS  
 141 TAYLOR NELLIE P  
 143 WILSON G W  
 144 TURNER THELMA MRS  
 190 MARTIN CARRIE MRS  
 194 RHOADES THURMAN  
 195 GRAY HOMER  
 196 ADLER JULIUS  
 198 LANG OLLLE  
 199 SILBER ISSO  
 200 CUMMINGS SYLVANUS  
 204 KNODERER F H  
 205 HUTCHINSON F W  
 206 CROW JA  
 209 LEFFLER W B  
 217 MORELAND W H  
 217 STORK ROSA MRS  
 219 WILEMAN JOSEPH  
 222 VACANT  
 223 PAPPAS J A  
 245 HAMPSHIRE P B  
 248 SMITH W B  
 249 BYERS L V MRS  
 250 VACANT  
 251 DAMERON NOEL  
 252 SMITH E  
 255 DEVOLL E  
 256 FOX MRS MAUDE  
 257 VACANT  
 258 FARRIS DOC  
 259 MILLER J F  
 260 VACANT  
 261 BECKER A P  
 262 SWANK WM  
 266 GEIGER HENRY  
 267 SHERMAN MADELINE  
 268 WILSON R B  
 270 FULLER E R  
 271 COPELAND C BELLE  
 273 IMHOFF WM  
 276 MCDONALD ABRAHAM  
 277 DAVENPORT HERBERT  
 279 KELLY EF  
 279 WARDEN MARY MRS  
 280 BARR R W  
 311 EAGLIN E T  
 385 S HIGH E  
 1933 OGLE CHESTER

0 COURT HOUSE (SE COR )  
 0 MOUND JUNIOR HIGH SCHOOL (NE COR )  
 3 INTERSECTA  
 20 RADER A K  
 22 RADER AK SOFT DRINKS  
 31 MASON HENRY A MEMORIAL STUDIO  
 34 NONNENMACHER HL  
 36 FRANK F G  
 40 ABAT SAMUEL  
 40 BLANCHARD FRANK  
 46 GUTHKE R O  
 46 GUTHKE R O JR  
 49 RAGAN MAURICE FURN RMS  
 50 FRANKLIN COUNTY JUVENILE DETENTION HOME  
 59 ST JOHN'S EVAN PROT CHURCH  
 60 MCDONALD M A MRS  
 66 WILSON H A MRS  
 72 FIRST IND PROT CHURCH ]  
 75 BRECKLER J H AUTO REPR  
 79 STREET R L EXP  
 81 KAMPMANN HALL  
 111 SPANNAGEL W E PHYS  
 117 STUMP EMMETT  
 123 BIHL JOHN  
 123 CLARK OS  
 123 FRITZ HAROLD  
 123 MERRIMAN ROBERT  
 123 NANCE CONEY  
 129 APARTMENTS  
 129 MONETT A E  
 129 MOUND STREET MARKET  
 130 BLEVINS HARRY  
 130 HICKS GROVER  
 131 GEARHART FRED 2D HD GDS  
 131 STRAWSER MARIAN (REAR )  
 134 BUTLER VAL  
 134 EVANS MABEL  
 135 ALLEN WILBUR  
 135 BRYAN PAULINE MRS  
 135 DRISCOLL GLADYS MRS  
 138 GROSS F W  
 139 VACANT  
 140 ULRICH E K  
 143 HENDERSON JESSE  
 143 VACANT  
 145 GOEBEL J A  
 145 HOSKINSON FLOYD  
 147 BARROW FRANK CANDY CO WHOL CONFRS  
 147 MIEBACH CATH MRS  
 151 CREMEANS J I PATR  
 151 FRITZ LESTER  
 179 VACANT  
 183 DEAN ENGRAVING CO  
 186 NOTHSTINE SADIE MRS  
 189 ROSE LJ  
 190 HANCHER ELVA MRS  
 194 BOMM J C  
 195 RHOADES WNI  
 196 HOWARD ERLING  
 198 COLLIER RG  
 203 MCNURLIN VC MRS

90 total records. Part 1 of 2  
 0 JR HIGH SCH (NE COR )  
 0 LIVINGSTON ME CHURCH (W COR )  
 0 TRINITY EVAN LUTH CHURCH (COR )  
 0 ZION'S EV LUTH CH (SE COR )  
 278 SCHNEIDER B E MRS  
 306 APARTMENTS  
 308 MULTI TENANT RESIDENTIAL  
 310 CHIN SAM INDY  
 312 VACANT  
 314 HIGH HE GRO  
 314 WOODS ADELIN MRS  
 318 RIZER NINA MRS  
 320 WILSON J C  
 341 DEL MONTE APTS  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 363 LEHMAN M B MRS GRO  
 365 BEARD BEACH SIGNS  
 371 ESTELL EDITH MRS  
 371 MILLER K L MRS  
 373 CULLINS HOWARD  
 373 VACANT (REAR )  
 374 MCGOWAN J H  
 376 BREHL J C WELDER  
 377 ACORD E E  
 380 LECLEAR L C  
 381 BLANKENSHIP JOHN  
 381 CANTER GEORGE  
 381 HICKMAN W P  
 381 JUDY ARTHUR MTLWKS  
 381 VACANT (REAR )  
 383 CORNELL EDWIN BLKSMITH  
 384 ANDERSON EMMA  
 384 OLEESE ELIZ MRS  
 386 VACANT  
 394 HADLER J B  
 394 HUBER C L MRS  
 395 HIVELEY OIL CO FILLING STA  
 396 PICKEL VM MRS  
 402 GLASS P J  
 403 FRANCIS ALLEN DRY CLNR  
 403 REAR TEMPLE & MORRIS BATTERIES  
 404 SCHULTZ G S REV  
 405 MATHEWS ERNEST  
 405 WALSH WM  
 407 SMITH L , N PATR  
 407 WHITE FRED  
 411 BURCHFIELD A W  
 413 GARDNER TENA MRS  
 415 ALTMAN F & SON ADV EXCLUSIVE DISTRIBU TORS ASSN ADV  
 428 WAGNER S G MRS RESTR  
 428 WAGNER SG MRS BARBER  
 430 SYDENSTICKER ARTHUR  
 434 HUMPHREYS MV MRS  
 437 DAILEY WI SHEETMTL WKR  
 438 MAYER JOHN REV  
 439 NEFF B W  
 440 ANGEL DANL  
 440 SCHWARTZ M A MRS  
 441 MAYER ALEX  
 444 COURTNEY C E  
 445 DUFFAS JOHN  
 445 ZAGLANIS GUS  
 447 ADAMS WK CIGAR MFR  
 448 ARMENTROUT J F  
 449 SCURLOCK JOHN  
 450 THOMAS B J MRS  
 458 ROSTOFER FRANCIS  
 460 KAMMERER D L

## Part 2 of 2

462 SADDLER R H  
 462 SADDLER R H GRO  
 466 DECKER B V  
 473 CHAKERS NICHOLAS GRO  
 475 CHAKERS NICHOLAS  
 477 TRUCK TIRE SERVICE CO  
 480 SANDERS W C  
 481 BENNER ROBERT  
 483 HOWARD G C  
 486 BREHL A J  
 486 OWENS A E  
 487 JOHNSTON W L  
 490 GRIFFIN K E MRS  
 491 NIBLING E E MRS  
 492 BONHAM P E  
 493 BREHL J C  
 495 YORK ICE MACH CORP  
 496 ROSS G M  
 497 APARTMENTS  
 499 REEVES MACH CO  
 502 NAMEY ROSE MRS

## 87 total records. Part 1 of 2

0 FOURTH ST SCH (NE COR )  
 0 STANDARD OIL CO STA (W COR )  
 275 OHIO - HARTMAN BLDG  
 309 DE VORE MFG CO CHEMISTS  
 309 MIDWEST DRUG CO MED MFRS  
 310 KROGER'S GROS  
 312 SOUDER SP RESTR  
 313 MUELLER OTTO RESTR  
 314 FLETCHER W K  
 316 WEISZ F B COAL  
 318 BARTLEBAUGH W A BARBER  
 320 DUCO JOHN FRUITS  
 323 VACANT  
 327 MULTI TENANT RESIDENTIAL  
 330 KRUMM MARTIN CO IRON WKRS  
 332 GRAY LULU M MRS  
 336 GROFF G W  
 336 GROFF G W FISH  
 336 HENDERSON JA  
 336 HORNBECK SARAH MRS  
 337 VACANT  
 339 EBERT C G SHOES  
 341 COLS HEROLD  
 341 COLS HEROLD PUB CO  
 344 BLAUSTEIN MORITZ DRY GDS  
 345 LANG SOPHIA MRS BAKER  
 346 MEUSER FJ GRO  
 347 TIRE SERVICE CO  
 348 EMMERT OLIVIA  
 348 UNION HALL  
 348 WESTENHAVER ELIZ MRS  
 350 STELZER BAKERY  
 364 BURKE RF  
 364 CHAMPE ADA L  
 364 CRAVEN T W WATCH MAKER  
 364 CRAVEN'S DRUG STORE  
 364 GEIS MABEL  
 364 POLK R L & CO CITY DIRECTORY OFFICE  
 364 RIEGER WM  
 364 WIDMAIER J M  
 366 KINZELMAN HDW CO  
 371 STROEDTER F E  
 374 BERLIN H S PUBR  
 374 CENTRAL MARKET NEWS  
 374 OHIO MASON PERIODI CAL  
 374 TOOTHAKER & RODENFELS PRINTERS  
 376 COLUMBUS THIS WEEK PERIODICAL  
 376 FJ & W F HEER CO PUBRS  
 376 HEER ADVERTISING CO  
 376 HEER F J PRINTING CO  
 376 HUNTER - TRADER - TRAPPER PERIODICAL  
 377 VACANT  
 381 WILLIAMSON FURN STORE INC REPR DEPT  
 391 VACANT  
 393 KIMBALL C E  
 395 LAFFREY SE MRS  
 405 GIESE EMILY MRS  
 409 DALTON BERRY  
 429 ARMENTROUT J F  
 430 SUAREZ JOAQUIN CONFR  
 431 HENRY JANSER DECORATING CO  
 431 JANSER BERTHA MRS  
 434 DORSEY G W  
 435 BLEILE A E DRSMKR  
 435 BLEILE H H  
 436 BROWER MOSES BARBER  
 437 LULEY SIMON SHOE REPR  
 437 SWEENEY ANNA  
 438 KENNEDY M E MRS

## Part 2 of 2

439 DENNIS STEVEN DECORATOR  
 442 WILSON FLORENCE  
 443 DOERSAM M M  
 445 LIGGETT GORDON L  
 449 NORTH J W  
 450 SCHMIDT JACOB PLMBR  
 457 SAUNDERS ELIZ MRS  
 458 SCHMITT BROS GROS  
 462 HARRIS W J  
 464 WEILBACHER B E DRY GDS  
 468 HEINTZ A P  
 470 SCHWARTZ E M  
 476 KRATZ LOUISE  
 480 FOURTH - LIVINGSTON PHARMACY  
 501 KNIPFER MARY MRS  
 501 WEBB CE  
 4603 SCHMITT C MRS  
 4663 SCHAFFNER HARRY

0 CITY ICE & FUEL CO STA (W COR )  
 199 T - S BATTERY & IGNITION CO  
 243 FULLER AUTO CO SHOP  
 261 FULLER AUTO CO USED CARS  
 269 VACANT  
 328 HEIZER PRINTING CO  
 369 HEMPHILL J C  
 373 EASTERDAY ALBERT  
 374 BRADY K L  
 374 RHOADS H H MRS  
 374 TAYLOR A F  
 376 AKERS JAMES  
 376 HILL MARY MRS (REAR )  
 376 LEAVITT J E  
 379 VACANT  
 386 YOUNG JOHN  
 391 BURGETT KENNETH  
 393 MCGRATH J E  
 395 ABBOTT W T  
 398 GESSELS A C BLDG CONTR  
 400 VACANT  
 402 VACANT  
 404 JONES P M MRS  
 405 LUERMANN EMIL  
 412 VACANT  
 440 BAIN M E MRS  
 447 BOTTS W J  
 458 MCCAMERON E A MRS  
 485 LAHRMER FRED  
 489 VACANT  
 495 SMITH J H  
 497 KUSIC J D  
 498 HOLZAPFEL H W  
 504 VACANT

14 EDITH ESTELL  
 39 M G ROBINSON  
 40 OLLIE BECK  
 43 MRS EULA THURMAN  
 44 T G MURPHY  
 46 JOHN BLANKENSHIP  
 50 WM JONES  
 67 MRS I E SHAW  
 69 MRS I WILLS  
 71 MRS EMMA MELLER  
 74 MULTI TENANT RESIDENTIAL  
 76 EDWARD MCFALL  
 113 RELIABLE PLUMBING CO  
 114 C L BIETE  
 134 PHILIP HOFFHINES  
 136 J J GREEN  
 139 MRS LOUISE THOMAS  
 140 MRS ELIZA BECK  
 141 EDWARD DAVENPORT  
 143 MRS MARY LEWIS  
 143 P NEWSBAUM  
 144 HELEN HAWKINS  
 146 FRANK REED  
 190 ANDREW MARTIN  
 193 B V DOUGLAS  
 194 MRS E J THOMAS  
 195 R C PRESTON  
 196 JULIUS ADLER  
 198 MRS L M KENT  
 199 ISSO SILBER  
 200 SYLVANUS CUMMINGS  
 204 MRS OS KNODERER  
 205 F W HUTCHINSON  
 206 MRS CATHERINE BISSEL  
 209 W D BLACKBURN  
 217 MRS ROSE STORK  
 217 WM MORELAND  
 219 MICHAEL LASTACE  
 222 AUTO PARTS C  
 223 JA CROW  
 225 L E DURANT  
 245 P B HAMPSHIRE  
 248 ALBERT BROWN  
 249 THOMAS BUTTERFIELD  
 250 CARL KEHLMIEIER  
 251 W H LEONARD  
 252 C E SMITH  
 255 CA ALTMAN  
 256 MRS MARY GILL  
 257 L A CARLIN  
 258 A W CRAWFORD  
 259 J R ROTHGEB  
 260 MRS MINNIE PERRY  
 261 VACANT  
 262 WM SWANK  
 266 JULIUS MATTERT  
 267 R E SHERMAN  
 268 RB WILSON  
 270 L F MILLER  
 271 C S JINKS  
 273 R H BROOKS  
 276 ABRAHAM MCDONALD  
 277 H DAVENPORT  
 279 A L KELL  
 279 CE HAMILTON  
 280 R W BARR  
 311 C J MONTONEY  
 1933 A F HOFFMAN

0 COURT HOUSE (SE COR )  
 0 MOUND JUNIOR HIGH SCHOOL (NE COR )  
 3 X  
 22 CHRIST WELDE  
 31 HENRY A MASON MEMORIAL STUDIO  
 34 CHARLES FRANK  
 34 HL NONNENMACHER  
 36 F G FRANK  
 40 MRS NELLIE BEAL  
 46 O GUTHKE JR  
 46 R O GUTHKE  
 49 MAURICE RAGAN  
 50 FRANKLIN CO JUVENILE DETENTION HOME  
 53 VACANT  
 59 ST JOHN'S EVAN PROT CHURCH  
 60 MRS M A MCDONALD  
 66 MRS H A WILSON  
 72 FIRST IND PROT CHURCH  
 75 JH BRECKLER  
 79 R T WILLIS  
 81 KAMPMANN HALL  
 111 DR W E SPANNAGEL  
 117 EMMITT STUMP  
 123 E C LYNCH  
 123 MRS ROSE DUBS  
 129 EDWARD NEWHOUSE  
 129 MRS LINA CABAKOFF  
 129 MRS MINNIE FRANCIS  
 129 WS RADFORD  
 130 FE VANDYKE  
 130 FRED HOPPE  
 130 WA BASEHART  
 131 ALEX SCHOONOVER  
 131 E C SHIRM  
 134 EDWD TITUS  
 134 ES JULIEN  
 135 WM CALL  
 138 F W GROSS  
 139 VACANT  
 140 A M HIGGINS  
 143 MOSES TERRY  
 145 JC RAIRIGH  
 145 MRS C MIEBACH  
 145 REV K A GEORGLADES  
 147 BARROW FRANK CANDY CO  
 151 MRS JENNIE KEHM  
 151 SIGMAN BROS  
 151 WE SIGMAN  
 179 VACANT  
 183 MRS BERTHA HUSK  
 186 MRS SADIE NOTHSTINE  
 189 MARTIN HENSEL  
 190 CHARLES SHANK  
 190 W E ROGERS  
 194 J F BOMM  
 195 F C WALTERS  
 196 W M SPENCE  
 198 FREDK PITZ  
 203 MRS VERNA MCNURLIN

## 95 total records. Part 1 of 2

0 LIVINGSTON AV M E CHURCH (IN W COR )  
 0 TRINITY EVAN LUTH CHURCH (NE COR )  
 278 MRS BE SCHNEIDER  
 306 L ROACH  
 306 O E ROACH  
 306 PHILIP BALZER  
 306 PRICE EAGAN  
 308 BENJAMIN PETTY  
 308 ME PRICE  
 308 MRS B D BURNS  
 308 MRS MARY PATTEN  
 310 HOP LEE  
 312 VACANT  
 314 C L LOUGH  
 314 HE HIGH  
 314 RAY WARREN  
 318 M T COLLINS  
 320 MYRTLE WHESTON  
 341 MULTI TENANT RESIDENTIAL  
 341 THE DEL MONTE  
 343 MULTI TENANT RESIDENTIAL  
 345 MULTI TENANT RESIDENTIAL  
 363 J E HENDRIX  
 365 R T WILLIS  
 371 ALBERT WALKER  
 371 MRS MARGARET STONE BURNER  
 371 R C WARD  
 371 THEODORE FUTCHER  
 373 H A STEINIGER (REAR )  
 373 I H FLEMM  
 374 J H MCGOWAN  
 376 JC BREHL  
 377 VACANT  
 380 E M HAMILTON  
 383 EDWIN CORNELL  
 384 JC RAIRIGH (REAR )  
 384 VACANT  
 386 MRS FANNIE ATHERN  
 386 WHOLE GRAIN WHEAT SUPPLY CO  
 394 MRS L L HUBER  
 394 TE KNIPFER  
 395 PHILIP HOFFHINES  
 396 MRS V M PICKEL  
 397 VACANT  
 399 THOMAS VAN LEER  
 402 ALPHONSO HUFFMAN  
 402 J P GLASS  
 402 WE PRICE  
 403 MRS M L LATHROP  
 403 W SCHNEIDER  
 404 REV G S SCHULTZ  
 405 CARL TURNEY  
 407 E G STOOKEY  
 407 MRS ELIZAB WALSH  
 407 PHILADORE FASSIG  
 411 STEPHEN LYDAY  
 413 ] MRS TENA GARDNER  
 415 H L MADER  
 428 WELDON - HARWICK CO WHSE  
 430 JOHN STAMOS  
 434 MRS GLADYS HINTON  
 437 W H DALLEY  
 438 REV JOHN MAYER  
 439 R C HOSTETTER  
 440 BW NEFF  
 440 MRS M SCHWARTZ  
 441 ALEX MAYER  
 444 C G BAKER  
 445 GUS ZAGLANIS

## Part 2 of 2

445 JOHN DUFAS  
 447 MRS MC WHITE  
 448 G F EYERMAN  
 449 HARRY SCHIMPF  
 450 MRS B C LERCH  
 458 F E MORGAN  
 460 D L KAMMERER  
 462 MILLS & KRIEGER  
 466 B V DECKER  
 473 NICK CHAKERS  
 475 S G LYDAY  
 479 P S BALL  
 480 FRANK MACK  
 481 F M ROOT  
 483 J F DONOVAN  
 486 A J BREHL  
 487 MRS N G EYLER  
 490 W R GRIFFIN  
 491 W L JOHNSTON  
 492 APARTMENTS  
 493 JC BREHL  
 496 G M ROSS  
 497 ERNEST BAIRD  
 499 MRS N RICHARDSON  
 502 MRS A C APPLETON  
 4623 GOLDIE CONSTANS

84 total records. Part 1 of 2

0 FOURTH ST SCH (NE COR )  
 280 MULTI TENANT RESIDENTIAL  
 309 KROPP SHOE CO  
 312 S P SOUDER  
 314 A C CROUCH  
 316 F B WEISZ  
 318 MRS SARAH BERNSTINE  
 320 JOHN DUCO  
 323 COLS CONFECTION CO  
 327 APARTMENTS  
 330 MARTIN KRUMM CO  
 332 MRS LULU GRAY  
 333 VACANT  
 336 G W GROFF  
 337 H S GERMAN  
 339 C G EBERT  
 340 KROGER S  
 341 COLS HEROLD  
 341 COLS HEROLD PUB CO  
 343 E S JULIEN  
 344 MRS T BLAUSTEIN  
 345 ADAMS FURN EXCH  
 346 F J MEUSER  
 347 LANG TIRE CO  
 348 M E FINK  
 348 UNION HALL  
 350 STELZER BAKING CO  
 364 CRAVEN'S DRUG STORE  
 364 DODE MICK  
 364 FRED KOENIG  
 364 MRS A L CHAMPE  
 364 R L POLK & CO CITY DIRECTORY OFFICE  
 364 RF BURKE  
 366 KINSELMAN HDWE CO  
 371 MRS F E STROEDTER  
 374 OHIO EDUCATIONAL MONTHLY  
 376 A F & M M MESSERSCHMIT  
 377 FE RUESCHER  
 377 FL CAPLINGER  
 377 G ROBERTS  
 377 MRS ELIZABETH THORNTON  
 380 VACANT  
 381 J C WILLIAMSON  
 384 F J HEER PRINTING CO  
 384 FJ & W F HEER CO  
 384 HEER - MILLER CO  
 384 HUNTER - TRADER TRAPPER  
 391 AUGUST WITTMAN  
 391 EDWARD PRINCE  
 393 MARY SOUMMERS  
 395 MRS S E LAFFREY  
 405 AUGUST GIESE  
 409 BERRY DALTON  
 429 HENRY JANSE  
 429 MAURICE WAGNER CO  
 430 MRS E SCHOOLEY  
 431 HENRY JANSE DECORATING CO  
 434 GW DORSEY  
 434 THOMAS WAGNER  
 435 A E BLEILE  
 435 H BLEILE  
 436 J F ARMENTROUT  
 437 ANNA SWEENEY  
 437 SIMON LULEY  
 438 ROBT STAUCH  
 439 STEPHEN DENNIS  
 442 MRS ESTHER CULP  
 443 M M DOERSAM  
 443 MRS ANNA TAYLOR

Part 2 of 2

445 C J HERN  
 449 J W NORTH  
 450 ANDRES & SCHMIDT  
 457 VACANT  
 458 SCHMITT BROS  
 460 MRS C SCHMITT  
 462 W J HARRIS  
 464 B E WEILBACHER  
 466 OSCAR RUECKEL  
 468 A P HEINTZ  
 470 E M SCHWARTZ  
 476 LOUISE KRATZ  
 480 CHERRY PHARMACY  
 501 H J MCDANIEL  
 501 MINNIE MILLER

0	CITY ICE & FUEL CO STA (SE COR )
199	VACANT
200	W H SIFRIT
261	SNYDER AUTO CO REPAIR DEPT
269	C W MORRIS
307	PETER SCHILLE
334	VACANT
368	VACANT
369	MRS ANNA MILLER
373	G M AMRINE
374	FRANK HOWE
376	I H POWELL
379	WM COLES
386	A A HELTON
391	JOS BOWMAN
393	L W STOPHER
395	W T ABBOTT
398	MRS E A RADEL
400	CC ROSS
402	W E STONE
404	MRS P M JONES
405	VACANT
412	MRS J E HARPER
440	H R NORTH
447	VACANT
458	MRS E A MCCAMERON
485	ALBERT BAUER
495	H B SWEENEY
497	H W HOLZAPEL
498	VACANT
504	R E SELLS
743	CHARLES RICE
3761	ALBERT EASTERDAY

# Printable page

<b>Parcel ID: 010-006471-00</b>	<b>Map Routing: 010-S003 -036-00</b>
<b>COLUMBUS METROPOLITAN HOUSING AUTHORITY</b>	<b>360 S THIRD ST</b>

## OWNER

Owner	COLUMBUS METROPOLITAN HOUSING AUTHORITY
Owner Mailing / Contact Address	880 E 11TH AVENUE COLUMBUS OH 43211 <a href="#">Submit Mailing Address Correction Request</a>
Site (Property) Address	360 S THIRD ST <a href="#">Submit Site Address Correction Request</a>
Legal Description	S 3RD ST R17 T 1 1/4T 3 LOT 21
Calculated Acres	1.08
Legal Acres	0
Tax Bill Mailing	<a href="#">View or Change on the Treasurer's Website</a> <b>If you have recently satisfied or refinanced your mortgage, please visit the above link to review your tax mailing address to ensure you receive your tax bill and other important mailings.</b>
Parcel Permalink	<a href="https://audr-apps.franklincountyohio.gov/redir/Link/Parcel/010-006471-00">https://audr-apps.franklincountyohio.gov/redir/Link/Parcel/010-006471-00</a>
eAlerts	<a href="#">Sign Up for or Manage Property eAlerts</a> The Auditor's office provides a Property eAlerts tool through which a property owner can sign up to receive an automated email alert whenever a change in owner or value is made to their property record. Click on the above button to sign up for or manage your Property eAlerts.
Tools	<a href="#">View Google Map</a>  <a href="#">Print Parcel Summary</a>

## MOST RECENT TRANSFER

Transfer Date	AUG-25-2023
Transfer Price	\$0
Instrument Type	LE
Parcel Count	1

## 2023 TAX STATUS

Property Class	C - Commercial
Land Use	680 - CHARITABLE EXEMPT FOR HOSPITALS ETC
Tax District	010 - CITY OF COLUMBUS
School District	2503 - COLUMBUS CSD <a href="#">[SD Income Tax]</a>
City/Village	COLUMBUS CITY
Township	

Appraisal Neighborhood	X1100000
Tax Lien	No
CAUV Property	No
Owner Occ. Credit	2023: No 2024: No
Homestead Credit	2023: No 2024: No
Rental Registration	Yes
Rental Exception	No
Board of Revision	No
Zip Code	43215
Pending Exemption	No

**COMPARE YOUR HOME VALUE**

Value Comparison

[Compare Your Home Value](#)

Compare your property value to other properties in your neighborhood. View statistics comparing values in Franklin County taxing districts, school districts, municipalities, and to other regions.

**2023 AUDITOR'S APPRAISED VALUE**

	Land	Improvements	Total
Base			
TIF			
Exempt	1,175,000	1,814,000	2,989,000
Total	1,175,000	1,814,000	2,989,000
CAUV			

**2023 TAXABLE VALUE**

	Land	Improvements	Total
Base			
TIF			
Exempt	411,250	634,900	1,046,150
Total	411,250	634,900	1,046,150

**2023 TAXES**

Net Annual Tax	Total Paid	CDQ
0.00	4,332.42	

**BUILDING DATA**

Yr Built	Eff Yr	Stry	Structure Type	Sq Ft
1969	1976	03	OFFICE BLDG L-R 1-4S	33,847
Total:				33,847

**SITE DATA**

Frontage	Depth	Acres	Historic District
		1.079	

APPENDIX D  
ENVIRONMENTAL DATABASE INFORMATION



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# DATABASE REPORT

**Project Property:** *Project Aspire Update  
360 South 3rd Street  
Columbus OH 43215*

**Project No:** *N4247251*

**Report Type:** *Database Report*

**Order No:** *24082300438*

**Requested by:** *Terracon Consultants, Inc.*

**Date Completed:** *August 26, 2024*

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# Executive Summary

## Property Information:

**Project Property:** *Project Aspire Update  
360 South 3rd Street Columbus OH 43215*

**Project No:** *N4247251*

### **Coordinates:**

**Latitude:** *39.95480865*  
**Longitude:** *-82.99588919*  
**UTM Northing:** *4,424,648.79*  
**UTM Easting:** *329,513.13*  
**UTM Zone:** *17S*

**Elevation:** *755 FT*

## Order Information:

**Order No:** *24082300438*  
**Date Requested:** *August 23, 2024*  
**Requested by:** *Terracon Consultants, Inc.*  
**Report Type:** *Database Report*

## Historicals/Products:

**ERIS Xplorer** [ERIS Xplorer](#)  
**Excel Add-On** *Excel Add-On*  
**terraDOCS Report** *terraDOCS (Terracon)*

# Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	<b>2</b>	<b>2</b>
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	<b>2</b>	<b>5</b>	-	-	<b>7</b>
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	<b>4</b>	-	<b>4</b>
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	1	-	-	1
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	1	1

**State**

DERR	Y	1	0	0	0	8	18	26
DELISTED DERR	Y	1	0	0	0	1	0	1
SWF/LF	Y	0.5	0	0	0	0	-	0
HIST LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	4	7	44	-	55
DELISTED LST	Y	0.5	0	0	1	16	-	17
LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	4	7	-	-	11
TANKS	Y	0.25	0	0	0	-	-	0
TANKS 2	Y	0.25	0	0	0	-	-	0
DTNK	Y	0.25	0	1	0	-	-	1
ENG	Y	0.5	0	0	0	1	-	1
INST	Y	0.5	0	0	0	2	-	2
VCP	Y	0.5	0	0	0	4	-	4
VAP CNS	Y	0.5	0	0	0	3	-	3
BROWNFIELDS	Y	0.5	0	0	0	0	-	0

**Tribal**

INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

**County**

*No County standard environmental record sources available for this State.*

**Additional Environmental Records**

**Federal**

PFAS GHG	Y	0.5	0	0	0	0	-	0
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<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	1	-	1
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	1	1
LM SITES	Y	1	0	0	0	0	1	1
ALT FUELS	Y	0.25	0	1	7	-	-	8



## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">1</a>	LUST	COLUMBUS FIRE STATION #2	150 E FULTON ST COLUMBUS OH 43215	ESE	0.02 / 112.04	-2	<a href="#">46</a>
<p><b>Release No:</b> 25000042-N00001  <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   6/21/1996</p>							
<a href="#">1</a>	UST	COLUMBUS FIRE STATION #2	150 E FULTON ST COLUMBUS OH 43215	ESE	0.02 / 112.04	-2	<a href="#">47</a>
<p><b>Facility No:</b> 25000042  <b>Tank No   Status:</b> T00002   REM - Removed, T00001   REM - Removed</p>							
<a href="#">2</a>	SPILLS		150 EAST MOUND ST COLUMBUS OH	NE	0.02 / 129.91	-2	<a href="#">49</a>
<p><b>Case No/Spill ID   Spill No:</b> 2311</p>							
<a href="#">3</a>	SPILLS		4TH AND FULTON COLUMBUS OH	ESE	0.06 / 329.62	-4	<a href="#">50</a>
<a href="#">3</a>	SPILLS		4TH AND FULTON COLUMBUS OH	ESE	0.06 / 329.62	-4	<a href="#">51</a>
<p><b>Case No/Spill ID   Spill No:</b> 0610EPA0003788  </p>							
<a href="#">4</a>	SPILLS		NOBLE & 4TH COLUMBUS OH	NE	0.06 / 340.94	-1	<a href="#">52</a>
<p><b>Case No/Spill ID   Spill No:</b> 49</p>							
<a href="#">5</a>	SPILLS		309 SOUTH 4TH ST COLUMBUS OH	NNE	0.07 / 383.73	0	<a href="#">53</a>
<p><b>Case No/Spill ID   Spill No:</b> 539</p>							
<a href="#">6</a>	SPILLS		70 WB @ 4TH ST EXIT COLUMBUS OH	ESE	0.07 / 393.99	-3	<a href="#">53</a>
<a href="#">6</a>	SPILLS		I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	ESE	0.07 / 393.99	-3	<a href="#">54</a>
<a href="#">6</a>	SPILLS		1-70 WB JUST PAST 4TH ST EXIT COLUMBUS OH	ESE	0.07 / 393.99	-3	<a href="#">55</a>
<a href="#">6</a>	SPILLS		70 WB AT 4TH ST COLUMBUS OH	ESE	0.07 / 393.99	-3	<a href="#">56</a>
<a href="#">6</a>	SPILLS		I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	ESE	0.07 / 393.99	-3	<a href="#">57</a>
<p><b>Case No/Spill ID   Spill No:</b> 0411EPA0004756  </p>							

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">7</a>	UST	FCCG	31 E MOUND ST COLUMBUS OH 43215 <i>Facility No:</i> 25011027	W	0.08 / 416.89	9	<a href="#">58</a>
<a href="#">8</a>	SPILLS		I70 WB NEAR 3RD ST BRIDGE COLUMBUS OH <i>Case No/Spill ID   Spill No:</i> 0712EPA0004578	S	0.08 / 427.69	-24	<a href="#">58</a>
<a href="#">9</a>	SPILLS		70 WB @ 4TH ST COLUMBUS OH	SE	0.08 / 428.76	-4	<a href="#">61</a>
<a href="#">9</a>	SPILLS		I-70 WB @ 4TH COLUMBUS OH	SE	0.08 / 428.76	-4	<a href="#">61</a>
<a href="#">10</a>	LUST	FORMER PFEIFER PRINTING	190 E FULTON ST COLUMBUS OH 43215 <i>Release No:</i> 25010949-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   3/5/2008	E	0.08 / 435.31	-1	<a href="#">62</a>
<a href="#">10</a>	UST	FORMER PFEIFER PRINTING	190 E FULTON ST COLUMBUS OH 43215 <i>Facility No:</i> 25010949 <i>Tank No   Status:</i> T00001   REM - Removed	E	0.08 / 435.31	-1	<a href="#">64</a>
<a href="#">11</a>	SPILLS		I-70 EB UNDER 3RD ST COLUMBUS OH	SSW	0.09 / 467.19	-23	<a href="#">65</a>
<a href="#">11</a>	SPILLS		I70 EB 150 FT W OF 3RD ST COLUMBUS OH	SSW	0.09 / 467.19	-23	<a href="#">66</a>
<a href="#">12</a>	SPILLS		113 EAST MAIN ST REAR IF TEH BUILDING COLUMBU OH <i>Case No/Spill ID   Spill No:</i> 0909EPA0002808	NNW	0.10 / 529.54	1	<a href="#">67</a>
<a href="#">13</a>	SPILLS		US 23 AT MAIN ST CROSSING RISING SUN OH	NNW	0.10 / 542.35	2	<a href="#">68</a>
<a href="#">13</a>	SPILLS		3RD ST AND MAIN ST COLUMBUS OH <i>Case No/Spill ID   Spill No:</i> 1704EPA0000893	NNW	0.10 / 542.35	2	<a href="#">69</a>
<a href="#">14</a>	LUST	FRANKLIN COUNTY STREET PARKING GARAGE	34 EAST FULTON STREET COLUMBUS OH 43215 <i>Release No:</i> 25011116-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   1/6/2017	WSW	0.10 / 547.33	7	<a href="#">70</a>
<a href="#">14</a>	UST	FRANKLIN COUNTY STREET PARKING GARAGE	34 EAST FULTON STREET COLUMBUS OH 43215	WSW	0.10 / 547.33	7	<a href="#">71</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">14</a>	RCRA NON GEN	FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE	34 E FULTON ST PUBLIC FACILITES MAINTENACE COLUMBUS OH 43215	WSW	0.10 / 547.33	7	<a href="#">73</a>
			<i>Facility No:</i> 25011116 <i>Tank No   Status:</i> T00001   CLO - In Place				
			<i>EPA Handler ID:</i> OHR000211193				
<a href="#">15</a>	SPILLS		LAZELLE & E MAIN ST COLUMBUS OH	N	0.10 / 550.31	1	<a href="#">75</a>
<a href="#">16</a>	SPILLS		4TH ST & MAIN ST COLUMBUS OH	NNE	0.11 / 571.16	0	<a href="#">76</a>
<a href="#">17</a>	SPILLS		2 Blk E Livingston Ave COLUMBUS OH 43215	SSW	0.12 / 624.05	-3	<a href="#">76</a>
			<i>Case No/Spill ID   Spill No:</i> 1803EPA0000538				
<a href="#">18</a>	LUST	KATZINGERS DELI	475 S 3RD COLUMBUS OH 43215	SSW	0.12 / 648.99	-5	<a href="#">79</a>
			<i>Release No:</i> 25010341-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   1 SUS/CON from regulated UST   6/6/2002				
<a href="#">18</a>	DTNK	KATZINGERS DELI	475 S 3RD COLUMBUS OH 43215	SSW	0.12 / 648.99	-5	<a href="#">80</a>
<a href="#">19</a>	SPILLS		410 S HIGH ST COLUMBUS OH	WSW	0.12 / 652.00	11	<a href="#">80</a>
<a href="#">19</a>	RCRA NON GEN	FRANKLIN COUNTY ANNEX	410 S HIGH STREET COLUMBUS OH 43215	WSW	0.12 / 652.00	11	<a href="#">81</a>
			<i>EPA Handler ID:</i> OHR000105668				
<a href="#">19</a>	ALT FUELS	Fulton Street Parking Garage	410 S High St Columbus OH 43215	WSW	0.12 / 652.00	11	<a href="#">82</a>
			<i>ID:</i> 204871				
<a href="#">20</a>	RCRA NON GEN	BP OIL CO	480 S THIRD ST COLUMBUS OH 43215	S	0.14 / 747.91	-5	<a href="#">83</a>
			<i>EPA Handler ID:</i> OHD987013133				
<a href="#">20</a>	LUST	BP OIL CO. #07937	480 S 3RD ST COLUMBUS OH 43215	S	0.14 / 747.91	-5	<a href="#">84</a>
			<i>Release No:</i> 25001467-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   1 SUS/CON from regulated UST   11/22/2004				
<a href="#">20</a>	UST	BP OIL CO. #07937	480 S 3RD ST COLUMBUS OH 43215	S	0.14 / 747.91	-5	<a href="#">85</a>
			<i>Facility No:</i> 25001467 <i>Tank No   Status:</i> T00003   REM - Removed, T00001   REM - Removed, T00002   REM - Removed, T00004   REM - Removed				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">21</a>	RCRA NON GEN	WESTIN HOTEL	310 S HIGH ST COLUMBUS OH 43215 <i>EPA Handler ID: OHR000011643</i>	WNW	0.15 / 772.83	12	<a href="#">89</a>
<a href="#">22</a>	LUST	FRANKLIN COUNTY COURTHOUSE	369 SOUTH HIGH ST COLUMBUS OH 43215 <i>Release No: 25010989-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   8/13/2009</i>	W	0.15 / 804.15	18	<a href="#">90</a>
<a href="#">22</a>	UST	FRANKLIN COUNTY COURTHOUSE	369 SOUTH HIGH ST COLUMBUS OH 43215 <i>Facility No: 25010989</i> <i>Tank No   Status: T00001   REM - Removed</i>	W	0.15 / 804.15	18	<a href="#">91</a>
<a href="#">23</a>	LUST	FRANKLIN COUNTY COURTHOUSE	345 S HIGH ST COLUMBUS OH 43215 <i>Release No: 25011008-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   9/1/2010</i>	W	0.17 / 885.12	15	<a href="#">93</a>
<a href="#">23</a>	UST	FRANKLIN COUNTY COURTHOUSE	345 S HIGH ST COLUMBUS OH 43215 <i>Facility No: 25011008</i> <i>Tank No   Status: T00001   REM - Removed</i>	W	0.17 / 885.12	15	<a href="#">94</a>
<a href="#">24</a>	HIST GAS STATIONS	Cities Service Oil Co.	325 S High St Columbus OH	W	0.19 / 976.94	11	<a href="#">95</a>
<a href="#">25</a>	ALT FUELS	COLUMBUS COMMON STATION 2	55 E Rich St Columbus OH 43215 <i>ID: 193281</i>	NNW	0.19 / 1,004.81	1	<a href="#">96</a>
<a href="#">25</a>	ALT FUELS	COLUMBUS COMMON STATION 3	55 E Rich St Columbus OH 43215 <i>ID: 193280</i>	NNW	0.19 / 1,004.81	1	<a href="#">96</a>
<a href="#">25</a>	ALT FUELS	COLUMBUS COMMON STATION 1	55 E Rich St Columbus OH 43215 <i>ID: 193282</i>	NNW	0.19 / 1,004.81	1	<a href="#">97</a>
<a href="#">26</a>	LUST	SCHULER INC	222 S 3RD ST COLUMBUS OH 43207 <i>Release No: 25010524-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   1 SUS/CON from regulated UST   10/3/1991</i>	NNW	0.20 / 1,031.90	0	<a href="#">98</a>
<a href="#">26</a>	UST	SCHULER INC	222 S 3RD ST COLUMBUS OH 43207 <i>Facility No: 25010524</i> <i>Tank No   Status: T00003   REM - Removed, T00001   REM - Removed, T00002   REM - Removed</i>	NNW	0.20 / 1,031.90	0	<a href="#">99</a>
<a href="#">27</a>	DRYCLEANERS	SWISS CLEANERS	189 E. RICH ST. COLUMBUS OH 43215	NNE	0.20 / 1,036.65	1	<a href="#">101</a>
<a href="#">28</a>	RCRA NON GEN	BBI LOGISTICS LLC	80 E RICH ST STE 200 COLUMBUS OH 43215 <i>EPA Handler ID: OHR000223248</i>	NNW	0.20 / 1,045.11	1	<a href="#">102</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">29</a>	LUST	MOBILE DOWNTOWN	215 E RICH ST COLUMBUS OH 43215	NE	0.21 / 1,102.28	3	<a href="#">103</a>
			<b>Release No:</b> 25000664-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/19/2022				
<a href="#">29</a>	UST	MOBILE DOWNTOWN	215 E RICH ST COLUMBUS OH 43215	NE	0.21 / 1,102.28	3	<a href="#">104</a>
			<b>Facility No:</b> 25000664 <b>Tank No   Status:</b> T00003   CIU - Currently In Use, T00002   CIU - Currently In Use, T00001   CIU - Currently In Use, T00008   REM - Removed, T00005   REM - Removed, T00004   REM - Removed, T00006   REM - Removed, T00009   REM - Removed, T00007   REM - Removed				
<a href="#">30</a>	ALT FUELS	NATIONWIDECHILD NCH-W30 EV 1	231 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,144.40	1	<a href="#">110</a>
			<b>ID:</b> 149931				
<a href="#">31</a>	ALT FUELS	NATIONWIDECHILD NCH-W30 EV 2	237 1/2 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,153.22	1	<a href="#">111</a>
			<b>ID:</b> 149930				
<a href="#">31</a>	ALT FUELS	NATIONWIDECHILD NCH-W30 EV 3	237 1/2 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,153.22	1	<a href="#">111</a>
			<b>ID:</b> 174798				
<a href="#">32</a>	LUST	COTA	111 E TOWN ST COLUMBUS OH 43215	N	0.22 / 1,181.21	0	<a href="#">112</a>
			<b>Release No:</b> 25000254-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   9/11/1996				
<a href="#">32</a>	UST	COTA	111 E TOWN ST COLUMBUS OH 43215	N	0.22 / 1,181.21	0	<a href="#">113</a>
			<b>Facility No:</b> 25000254 <b>Tank No   Status:</b> T00003   OS1 - OOS1 < 12 Mths, T00002   REM - Removed, T00001   REM - Removed				
<a href="#">33</a>	DELISTED LST	CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	6	<a href="#">116</a>
<a href="#">33</a>	UST	CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	6	<a href="#">116</a>
			<b>Facility No:</b> 25010208 <b>Tank No   Status:</b> T00001   REM - Removed				
<a href="#">33</a>	LUST	CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	6	<a href="#">118</a>
			<b>Release No:</b> 25010208-N00001				
<a href="#">33</a>	RCRA NON GEN	CENTRAL BENEFITS MUTUAL INS CO	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	6	<a href="#">119</a>
			<b>EPA Handler ID:</b> OHD987047438				
<a href="#">34</a>	DRYCLEANERS	SWAN SUPER CLEANERS NO 11	255 S HIGH ST Columbus OH 43215	WNW	0.23 / 1,206.92	8	<a href="#">121</a>
<a href="#">35</a>	RCRA NON GEN	SWAN CLEANERS #11	247 S HIGH ST COLUMBUS OH 43215	WNW	0.23 / 1,231.88	8	<a href="#">121</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
			<b>EPA Handler ID:</b> OHD008928962					
<a href="#">36</a>	ALT FUELS	NATIONWIDECHILD NCH-W30 EV 4	249 E Livingston Ave Columbus OH 43215	ESE	0.24 / 1,265.93	2	<a href="#">123</a>	
			<b>ID:</b> 149932					
<a href="#">37</a>	LUST	CERTIFIED OIL CO	303 S FRONT ST COLUMBUS OH 43215	W	0.27 / 1,405.84	-4	<a href="#">124</a>	
			<b>Release No:</b> 25010422-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   2/10/1998					
<a href="#">38</a>	LUST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">125</a>	
			<b>Release No:</b> 25000758-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/19/2002					
<a href="#">38</a>	LUST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">126</a>	
			<b>Release No:</b> 25000758-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   8/23/2011					
<a href="#">38</a>	DELISTED LST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">128</a>	
<a href="#">38</a>	LUST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">128</a>	
			<b>Release No:</b> 25000758-N00004 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   8/28/2019					
<a href="#">38</a>	DELISTED LST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">129</a>	
<a href="#">38</a>	LUST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">130</a>	
			<b>Release No:</b> 25000758-N00003					
<a href="#">38</a>	LUST	CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	0	<a href="#">131</a>	
			<b>Release No:</b> 25000758-N00005 <b>Facility Status   LTF Status   Date Last Change:</b> Active   6 Closure of regulated UST   2/16/2022					
<a href="#">39</a>	DERR	LC RiverSouth Redevelopment	203-213 & 221 South High St Columbus OH 43215-	NW	0.27 / 1,429.03	8	<a href="#">132</a>	
<a href="#">39</a>	VCP	LC RiverSouth Redevelopment	203-213 & 221 South High St Columbus OH 43215-	NW	0.27 / 1,429.03	8	<a href="#">132</a>	
<a href="#">39</a>	VAP CNS	LC RiverSouth Redevelopment	203-213 and 221 South High St Columbus OH	NW	0.27 / 1,429.03	8	<a href="#">133</a>	
<a href="#">40</a>	LUST	VACANT LOT	451-461 S LUDLOW ST COLUMBUS OH 43215	WSW	0.30 / 1,608.86	-7	<a href="#">133</a>	





Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">54</a>	LUST	True North #612	631 S HIGH ST COLUMBUS OH 43215 <i>Release No:</i> 25000140-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   1 SUS/CON from regulated UST   12/10/1998	SSW	0.36 / 1,902.58	-7	<a href="#">153</a>
<a href="#">54</a>	LUST	True North #612	631 S HIGH ST COLUMBUS OH 43215 <i>Release No:</i> 25000140-N00002 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   4/23/2002	SSW	0.36 / 1,902.58	-7	<a href="#">154</a>
<a href="#">54</a>	LUST	True North #612	631 S HIGH ST COLUMBUS OH 43215 <i>Release No:</i> 25000140-N00003 <i>Facility Status   LTF Status   Date Last Change:</i> Active   1 SUS/CON from regulated UST   11/28/2023	SSW	0.36 / 1,902.58	-7	<a href="#">156</a>
<a href="#">55</a>	DERR	Test record	50-1 W town st Columbus OH 43215-	NW	0.38 / 1,981.77	4	<a href="#">157</a>
<a href="#">56</a>	DELISTED LST	FUTURE RIVER SOUTH COMMUNITY	SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215	WNW	0.38 / 2,001.21	-14	<a href="#">157</a>
<a href="#">56</a>	LUST	FUTURE RIVER SOUTH COMMUNITY	SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215 <i>Release No:</i> 25010973-N00001	WNW	0.38 / 2,001.21	-14	<a href="#">157</a>
<a href="#">57</a>	LUST	GRANT BONE & JOINT	323 E TOWN ST COLUMBUS OH 43215 <i>Release No:</i> 25004511-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   4/6/1992	NE	0.38 / 2,001.37	9	<a href="#">158</a>
<a href="#">57</a>	LUST	GRANT BONE & JOINT	323 E TOWN ST COLUMBUS OH 43215 <i>Release No:</i> 25004511-N00002 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   8/22/2006	NE	0.38 / 2,001.37	9	<a href="#">160</a>
<a href="#">58</a>	DERR	Test record	50 W Town St Test Columbus OH 43211-	NW	0.38 / 2,022.52	-5	<a href="#">161</a>
<a href="#">59</a>	LUST	SHOEDINGER FUNERAL HOME	229 E STATE ST COLUMBUS OH 43215 <i>Release No:</i> 25010593-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   6 Closure of regulated UST   8/1/1994	NNE	0.39 / 2,041.14	3	<a href="#">161</a>
<a href="#">60</a>	DELISTED LST	O R WOODYARD	263 E STATE ST COLUMBUS OH 43216	NNE	0.39 / 2,083.07	5	<a href="#">163</a>
<a href="#">60</a>	LUST	O R WOODYARD	263 E STATE ST COLUMBUS OH 43216 <i>Release No:</i> 25011121-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Inactive   1 SUS/CON from regulated UST   11/6/2017	NNE	0.39 / 2,083.07	5	<a href="#">163</a>
<a href="#">61</a>	LUST	ORPHAN TANK	386 E LIVINGSTON AVE COLUMBUS OH 43215 <i>Release No:</i> 25011093-N00001 <i>Facility Status   LTF Status   Date Last Change:</i> Active   6 Closure of regulated UST   3/27/2020	ESE	0.39 / 2,083.22	13	<a href="#">164</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">62</a>	LUST	GRANT MEDICAL CENTER	340 EAST TOWN STREET COLUMBUS OH 43215	NE	0.40 / 2,115.95	6	<a href="#">166</a>
			<b>Release No:</b> 25010424-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   12/11/1997				
<a href="#">62</a>	DELISTED LST	GRANT MEDICAL CENTER	111 S GRANT AVE COLUMBUS OH 43215	NE	0.40 / 2,115.95	6	<a href="#">167</a>
<a href="#">62</a>	LUST	GRANT MEDICAL CENTER	111 S GRANT AVE COLUMBUS OH 43215	NE	0.40 / 2,115.95	6	<a href="#">167</a>
			<b>Release No:</b> 25002364-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/24/2017				
<a href="#">63</a>	LUST	OHIO BUR OF EMPLOYMENT SERVICES	145 S FRONT ST COLUMBUS OH 43215	WNW	0.40 / 2,116.73	-16	<a href="#">169</a>
			<b>Release No:</b> 25001133-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   7/10/2014				
<a href="#">63</a>	DELISTED LST	OHIO BUR OF EMPLOYMENT SERVICES	145 S FRONT ST COLUMBUS OH 43215-4156	WNW	0.40 / 2,116.73	-16	<a href="#">170</a>
<a href="#">64</a>	LUST	GRANGE INSURANCE	671 S HIGH STREET COLUMBUS OH 43206	SSW	0.40 / 2,117.59	-4	<a href="#">170</a>
			<b>Release No:</b> 25000148-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   5/10/2006				
<a href="#">64</a>	LUST	GRANGE INSURANCE	671 S HIGH STREET COLUMBUS OH 43206	SSW	0.40 / 2,117.59	-4	<a href="#">172</a>
			<b>Release No:</b> 25000148-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/27/2007				
<a href="#">65</a>	LUST	CAPITAL MFG	153 W FULTON COLUMBUS OH 43216	WSW	0.41 / 2,178.15	-39	<a href="#">173</a>
			<b>Release No:</b> 25010245-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/1/1999				
<a href="#">65</a>	DELISTED DERR	CAPITAL MANUFACTURING / BREWERY DISTRICT	153 WEST FULTON AVENUE COLUMBUS OH	WSW	0.41 / 2,178.15	-39	<a href="#">174</a>
<a href="#">66</a>	LUST	COLUMBUS DISPATCH	631 FRONT ST (N OF BLDG) COLUMBUS OH 43215	SW	0.43 / 2,260.79	-5	<a href="#">174</a>
			<b>Release No:</b> 25010640-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   10/16/1992				
<a href="#">66</a>	LUST	COLUMBUS DISPATCH	631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	SW	0.43 / 2,260.79	-5	<a href="#">176</a>
			<b>Release No:</b> 25010641-N00001				
<a href="#">67</a>	PFAS IND	D A STUART CO	COLUMBUS OH	W	0.43 / 2,289.53	-39	<a href="#">177</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number	
<a href="#">68</a>	LUST	IRONSIDES CO	270 W MOUND COLUMBUS OH 43215	W	0.43 / 2,294.72	-39	<a href="#">178</a>	
			<b>Release No:</b> 25010001-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   10/5/1992					
<a href="#">69</a>	DELISTED LST	RICKENBACKER ANGB	GENERAL FILE COLUMBUS OH 43217	NNW	0.43 / 2,295.67	10	<a href="#">179</a>	
<a href="#">70</a>	USD	Miranova Property & Three Sites	CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	W	0.44 / 2,324.10	-38	<a href="#">179</a>	
<a href="#">71</a>	USD	Miranova Property & Three Sites	CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	WSW	0.44 / 2,333.29	-42	<a href="#">179</a>	
<a href="#">72</a>	DELISTED LST	COLUMBUS DISPATCH	631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	SW	0.44 / 2,334.78	-6	<a href="#">180</a>	
<a href="#">73</a>	LUST	CITY OF COLUMBUS FLEET MANAGEMENT	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	-42	<a href="#">180</a>	
			<b>Release No:</b> 25001318-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   9/8/1998					
<a href="#">73</a>	DELISTED LST	CITY OF COLUMBUS	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	-42	<a href="#">181</a>	
<a href="#">73</a>	LUST	CITY OF COLUMBUS	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	-42	<a href="#">182</a>	
			<b>Release No:</b> 25001318-N00002					
<a href="#">74</a>	LUST	GRANT MEDICAL CENTER	393 E TOWN ST COLUMBUS OH 43215	NE	0.45 / 2,354.32	12	<a href="#">183</a>	
			<b>Release No:</b> 25003247-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   5/29/2015					
<a href="#">75</a>	LUST	CAP-FOURTH LIMITED/PARKING LOT	30-34 S 4TH ST COLUMBUS OH 43215	N	0.45 / 2,359.53	4	<a href="#">184</a>	
			<b>Release No:</b> 25010890-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   9/9/2005					
<a href="#">76</a>	LUST	POINT INVESTMENT PROPERTY	645 SOUTH GRANT AVE COLUMBUS OH 43206	SE	0.45 / 2,375.46	8	<a href="#">185</a>	
			<b>Release No:</b> 25010957-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/21/2008					
<a href="#">77</a>	DERR	Miranova Property & Three Sites USD, Columbus	CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215	WSW	0.46 / 2,415.67	-42	<a href="#">187</a>	
<a href="#">77</a>	VCP	Miranova Property & Three Sites USD, Columbus	CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215	WSW	0.46 / 2,415.67	-42	<a href="#">187</a>	

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">78</a>	LUST	JACK SCHMIDT OLDSMOBILE	447 E MAIN ST COLUMBUS OH 43215	ENE	0.46 / 2,422.64	16	<a href="#">188</a>
			<b>Release No:</b> 25008588-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   2/14/2003				
<a href="#">79</a>	LUST	COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	-43	<a href="#">190</a>
			<b>Release No:</b> 25001325-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   7/20/2012				
<a href="#">79</a>	DELISTED LST	COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	-43	<a href="#">191</a>
<a href="#">79</a>	DELISTED LST	COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	-43	<a href="#">191</a>
<a href="#">80</a>	LUST	CITY OF COLUMBUS	514 SHORT ST COLUMBUS OH 43215	WSW	0.47 / 2,461.60	-38	<a href="#">192</a>
			<b>Release No:</b> 25000060-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   12/9/1997				
<a href="#">81</a>	DELISTED LST	REMOTE PAPER WAREHOUSE	135 W SYCAMORE ST COLUMBUS OH 43215	SW	0.47 / 2,486.14	-19	<a href="#">193</a>
<a href="#">82</a>	LUST	CONTRACT SWEEPERS	561 SHORT STREET COLUMBUS OH OH 43215	WSW	0.49 / 2,578.58	-41	<a href="#">193</a>
			<b>Release No:</b> 25010734-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/4/2002				
<a href="#">83</a>	LUST	OHIO JUDICIAL CENTER	65 S FRONT ST COLUMBUS OH 43215	NW	0.49 / 2,578.94	-13	<a href="#">195</a>
			<b>Release No:</b> 25010693-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   2/1/2001				
<a href="#">83</a>	FED BROWNFIELDS	650 Harmon Ave	2 Civic Center Dr N Columbus OH 43215	NW	0.49 / 2,578.94	-13	<a href="#">196</a>
			<b>Property ID:</b> 12660				
<a href="#">83</a>	FED BROWNFIELDS	1540 Mt Vernon Ave	2 Civic Center Dr N Columbus OH 43215	NW	0.49 / 2,578.94	-13	<a href="#">198</a>
			<b>Property ID:</b> 12662				
<a href="#">83</a>	FED BROWNFIELDS	Maryland and Taylor Aves	2 Civic Center Dr N Columbus OH 43215	NW	0.49 / 2,578.94	-13	<a href="#">200</a>
			<b>Property ID:</b> 12663				
<a href="#">83</a>	FED BROWNFIELDS	1500 South Front Street	2 Civic Center Dr N Columbus OH 43215	NW	0.49 / 2,578.94	-13	<a href="#">202</a>
			<b>Property ID:</b> 12665				
<a href="#">84</a>	LUST	REMOTE PAPER WAREHOUSE	135 W SYCAMORE ST COLUMBUS OH 43215	SW	0.50 / 2,624.63	-25	<a href="#">204</a>

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<b>Release No: 25000255-N00001</b>							
<a href="#">85</a>	DERR	Columbus Municipal Electric Plt Utility Boiler	State Rte 104 S of Frank Rd Columbus OH 43207	ESE	0.52 / 2,737.51	15	<a href="#">205</a>
<a href="#">86</a>	DERR	Central HS, Columbus	75 Washington St Columbus OH 43215	WNW	0.53 / 2,792.97	-54	<a href="#">206</a>
<a href="#">87</a>	DERR	Williams Co Drums, Columbia	Co Rd 1 S of Co Rd S Columbia OH 43518	ESE	0.53 / 2,798.25	15	<a href="#">206</a>
<a href="#">88</a>	DERR	Broad & High, Columbus	2-8 E Broad St & 12-20 N High St Columbus OH 43215	NNW	0.54 / 2,869.84	5	<a href="#">207</a>
<a href="#">89</a>	DERR	Gilbert Plating, Columbus	304 W Mound St Columbus OH 43215	W	0.57 / 2,994.58	-41	<a href="#">207</a>
<a href="#">90</a>	DERR	Miranova Property Residential & Commercial, 304 W Mound St	270 W Mound St Columbus OH 43215	W	0.57 / 3,018.95	-41	<a href="#">208</a>
<a href="#">91</a>	DERR	Seneca Hotel Former, Columbus	361 & 371 E Broad St Columbus OH 43215-3818	NNE	0.59 / 3,098.88	12	<a href="#">208</a>
<a href="#">92</a>	DERR	Adamsmark, Columbus	50 N Third St Columbus OH 43215	NNW	0.59 / 3,130.77	0	<a href="#">209</a>
<a href="#">93</a>	DERR	Edlow Lead Co, Columbus	729 Bank St Columbus OH 43206-	SSW	0.60 / 3,175.07	-13	<a href="#">209</a>
<a href="#">94</a>	RCRA CORRACTS	HARPER INDUSTRIES INCORPORATED	347 MAIER PLACE COLUMBUS OH 43203	WSW	0.68 / 3,612.15	-42	<a href="#">210</a>
<b>EPA Handler ID: OHD037526092</b>							
<a href="#">95</a>	DERR	Columbus Metals Co Parsons Ave	459 Parsons Ave Columbus OH 43215-	E	0.70 / 3,674.57	8	<a href="#">213</a>
<a href="#">96</a>	RCRA CORRACTS	CENTRAL OIL ASPHALT CORP	8 E LONG ST COLUMBUS OH 43215	NNW	0.74 / 3,931.01	-12	<a href="#">213</a>
<b>EPA Handler ID: OHD987048170</b>							
<a href="#">96</a>	DERR	Atlas Bldg, Columbus	8 E Long St Columbus OH 43215-	NNW	0.74 / 3,931.01	-12	<a href="#">216</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">97</a>	TOWNGAS	COLUMBUS GAS LIGHT & COKE COMPANY	LONG & FRONT STREETS COLUMBUS OH 43201	NW	0.76 / 4,008.30	-15	<a href="#">216</a>
<a href="#">98</a>	MRDS	(FACILITY) ASARCO COLUMBUS SMELTER	FRANKLIN COUNTY COLUMBUS OH 43215  <i>Dep ID: 10297514</i>	NNW	0.76 / 4,013.57	-15	<a href="#">216</a>
<a href="#">99</a>	DERR	Whittier Peninsula Project, Columbus	Whittier Peninsula Columbus OH 43215	WSW	0.76 / 4,031.12	-49	<a href="#">217</a>
<a href="#">100</a>	DERR	Columbus Scrap Corp, 580 Furnace St	580 Furnace St Columbus OH 43215	WSW	0.82 / 4,341.56	-46	<a href="#">218</a>
<a href="#">101</a>	LM SITES	Columbus East Site	OH	W	0.83 / 4,362.69	-45	<a href="#">219</a>
<a href="#">102</a>	DERR	B&T Metals Co, Columbus	425 Town St W Town St/CSX Rail Line/W Rich St/Gift St Columbus OH 43215	W	0.83 / 4,377.64	-44	<a href="#">219</a>
<a href="#">103</a>	DOE FUSRAP	Columbus East Site	COLUMBUS OH	W	0.84 / 4,419.56	-44	<a href="#">220</a>
<a href="#">104</a>	DERR	Franklinton Warehouse, Columbus	433, 435 and 451 West State Street Columbus OH 43215-	WNW	0.87 / 4,586.54	-44	<a href="#">220</a>
<a href="#">105</a>	DERR	Parsons Parc, Columbus	122 Parsons Ave Columbus OH 43215-	ENE	0.88 / 4,623.26	43	<a href="#">220</a>
<a href="#">106</a>	DERR	Gravity Phase II Project, Columbus	429 W Broad St Columbus OH 43215-	WNW	0.93 / 4,925.55	-43	<a href="#">221</a>
<a href="#">107</a>	DERR	Gravity Project, Columbus	500 W Broad St Columbus OH 43215-	WNW	1.00 / 5,276.00	-43	<a href="#">221</a>

## Executive Summary: Summary by Data Source

### Standard

#### Federal

##### RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Apr 8, 2024 has found that there are 2 RCRA CORRACTS site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HARPER INDUSTRIES INCORPORATED	347 MAIER PLACE COLUMBUS OH 43203  <i>EPA Handler ID: OHD037526092</i>	WSW	0.68 / 3,612.15	<a href="#">94</a>
CENTRAL OIL ASPHALT CORP	8 E LONG ST COLUMBUS OH 43215  <i>EPA Handler ID: OHD987048170</i>	NNW	0.74 / 3,931.01	<a href="#">96</a>

##### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 8, 2024 has found that there are 7 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE	34 E FULTON ST PUBLIC FACILITES MAINTENACE COLUMBUS OH 43215 <i>EPA Handler ID: OHR000211193</i>	WSW	0.10 / 547.33	<a href="#">14</a>
FRANKLIN COUNTY ANNEX	410 S HIGH STREET COLUMBUS OH 43215  <i>EPA Handler ID: OHR000105668</i>	WSW	0.12 / 652.00	<a href="#">19</a>
WESTIN HOTEL	310 S HIGH ST COLUMBUS OH 43215  <i>EPA Handler ID: OHR000011643</i>	WNW	0.15 / 772.83	<a href="#">21</a>
BBI LOGISTICS LLC	80 E RICH ST STE 200 COLUMBUS OH 43215  <i>EPA Handler ID: OHR000223248</i>	NNW	0.20 / 1,045.11	<a href="#">28</a>
CENTRAL BENEFITS MUTUAL INS CO	255 E MAIN ST COLUMBUS OH 43215  <i>EPA Handler ID: OHD987047438</i>	ENE	0.22 / 1,184.47	<a href="#">33</a>
SWAN CLEANERS #11	247 S HIGH ST COLUMBUS OH 43215  <i>EPA Handler ID: OHD008928962</i>	WNW	0.23 / 1,231.88	<a href="#">35</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
BP OIL CO	480 S THIRD ST COLUMBUS OH 43215	S	0.14 / 747.91	<a href="#">20</a>

*EPA Handler ID: OHD987013133*

### **FED BROWNFIELDS - The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database**

A search of the FED BROWNFIELDS database, dated Feb 7, 2024 has found that there are 4 FED BROWNFIELDS site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
1500 South Front Street	2 Civic Center Dr N Columbus OH 43215  <i>Property ID: 12665</i>	NW	0.49 / 2,578.94	<a href="#">83</a>
Maryland and Taylor Aves	2 Civic Center Dr N Columbus OH 43215  <i>Property ID: 12663</i>	NW	0.49 / 2,578.94	<a href="#">83</a>
1540 Mt Vernon Ave	2 Civic Center Dr N Columbus OH 43215  <i>Property ID: 12662</i>	NW	0.49 / 2,578.94	<a href="#">83</a>
650 Harmon Ave	2 Civic Center Dr N Columbus OH 43215  <i>Property ID: 12660</i>	NW	0.49 / 2,578.94	<a href="#">83</a>

### **HIST GAS STATIONS - Historical Gas Stations**

A search of the HIST GAS STATIONS database, dated Jul 1, 1930 has found that there are 1 HIST GAS STATIONS site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Cities Service Oil Co.	325 S High St Columbus OH	W	0.19 / 976.94	<a href="#">24</a>

### **DOE FUSRAP - Formerly Utilized Sites Remedial Action Program**

A search of the DOE FUSRAP database, dated Mar 4, 2017 has found that there are 1 DOE FUSRAP site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Columbus East Site	COLUMBUS OH	W	0.84 / 4,419.56	<a href="#">103</a>

### **State**

### **DERR - Division of Environmental Response & Revitalization Database**

A search of the DERR database, dated Jun 21, 2024 has found that there are 26 DERR site(s) within approximately 1.00miles of the

project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
LC RiverSouth Redevelopment	203-213 & 221 South High St Columbus OH 43215-	NW	0.27 / 1,429.03	<a href="#"><u>39</u></a>
Lazarus Bldg, Columbus	141 S High St Columbus OH 43215	NW	0.34 / 1,796.87	<a href="#"><u>44</u></a>
Test record	50 W Town st Columbus OH 43215-	NW	0.35 / 1,857.64	<a href="#"><u>50</u></a>
	50 W Town st Columbus OH 43215	NW	0.35 / 1,857.64	<a href="#"><u>50</u></a>
Test record	50-1 W town st Columbus OH 43215-	NW	0.38 / 1,981.77	<a href="#"><u>55</u></a>
Columbus Municipal Electric Plt Utility Boiler	State Rte 104 S of Frank Rd Columbus OH 43207	ESE	0.52 / 2,737.51	<a href="#"><u>85</u></a>
Williams Co Drums, Columbia	Co Rd 1 S of Co Rd S Columbia OH 43518	ESE	0.53 / 2,798.25	<a href="#"><u>87</u></a>
Broad & High, Columbus	2-8 E Broad St & 12-20 N High St Columbus OH 43215	NNW	0.54 / 2,869.84	<a href="#"><u>88</u></a>
Seneca Hotel Former, Columbus	361 & 371 E Broad St Columbus OH 43215-3818	NNE	0.59 / 3,098.88	<a href="#"><u>91</u></a>
Adamsmark, Columbus	50 N Third St Columbus OH 43215	NNW	0.59 / 3,130.77	<a href="#"><u>92</u></a>
Columbus Metals Co Parsons Ave	459 Parsons Ave Columbus OH 43215-	E	0.70 / 3,674.57	<a href="#"><u>95</u></a>
Parsons Parc, Columbus	122 Parsons Ave Columbus OH 43215-	ENE	0.88 / 4,623.26	<a href="#"><u>105</u></a>

<b>Lower Elevation</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Map Key</b>
Liberty Place LLC, Columbus	100 Liberty St Columbus OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>
Test record	50 W Town St Test Columbus OH 43211-	NW	0.38 / 2,022.52	<a href="#">58</a>
Miranova Property & Three Sites USD, Columbus	CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215	WSW	0.46 / 2,415.67	<a href="#">77</a>
Central HS, Columbus	75 Washington St Columbus OH 43215	WNW	0.53 / 2,792.97	<a href="#">86</a>
Gilbert Plating, Columbus	304 W Mound St Columbus OH 43215	W	0.57 / 2,994.58	<a href="#">89</a>
Miranova Property Residential & Commercial, 304 W Mound St	270 W Mound St Columbus OH 43215	W	0.57 / 3,018.95	<a href="#">90</a>
Edlow Lead Co, Columbus	729 Bank St Columbus OH 43206-	SSW	0.60 / 3,175.07	<a href="#">93</a>
Atlas Bldg, Columbus	8 E Long St Columbus OH 43215-	NNW	0.74 / 3,931.01	<a href="#">96</a>
Whittier Peninsula Project, Columbus	Whittier Peninsula Columbus OH 43215	WSW	0.76 / 4,031.12	<a href="#">99</a>
Columbus Scrap Corp, 580 Furnace St	580 Furnace St Columbus OH 43215	WSW	0.82 / 4,341.56	<a href="#">100</a>
B&T Metals Co, Columbus	425 Town St W Town St/CSX Rail Line/W Rich St/Gift St Columbus OH 43215	W	0.83 / 4,377.64	<a href="#">102</a>
Franklinton Warehouse, Columbus	433, 435 and 451 West State Street Columbus OH 43215-	WNW	0.87 / 4,586.54	<a href="#">104</a>
Gravity Phase II Project, Columbus	429 W Broad St Columbus OH 43215-	WNW	0.93 / 4,925.55	<a href="#">106</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Gravity Project, Columbus	500 W Broad St Columbus OH 43215-	WNW	1.00 / 5,276.00	<a href="#">107</a>

### **DELISTED DERR - Delisted Division of Environmental Response & Revitalization**

A search of the DELISTED DERR database, dated Jun 21, 2024 has found that there are 1 DELISTED DERR site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CAPITAL MANUFACTURING / BREWERY DISTRICT	153 WEST FULTON AVENUE COLUMBUS OH	WSW	0.41 / 2,178.15	<a href="#">65</a>

### **LUST - Ohio Leaking Underground Storage Tanks (LUST)**

A search of the LUST database, dated Jun 3, 2024 has found that there are 55 LUST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FRANKLIN COUNTY STREET PARKING GARAGE	34 EAST FULTON STREET COLUMBUS OH 43215	WSW	0.10 / 547.33	<a href="#">14</a>
	<i>Release No: 25011116-N00001 Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   1/6/2017</i>			
FRANKLIN COUNTY COURTHOUSE	369 SOUTH HIGH ST COLUMBUS OH 43215	W	0.15 / 804.15	<a href="#">22</a>
	<i>Release No: 25010989-N00001 Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   8/13/2009</i>			
FRANKLIN COUNTY COURTHOUSE	345 S HIGH ST COLUMBUS OH 43215	W	0.17 / 885.12	<a href="#">23</a>
	<i>Release No: 25011008-N00001 Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   9/1/2010</i>			
SCHULER INC	222 S 3RD ST COLUMBUS OH 43207	NNW	0.20 / 1,031.90	<a href="#">26</a>
	<i>Release No: 25010524-N00001 Facility Status   LTF Status   Date Last Change: Inactive   1 SUS/CON from regulated UST   10/3/1991</i>			
MOBILE DOWNTOWN	215 E RICH ST COLUMBUS OH 43215	NE	0.21 / 1,102.28	<a href="#">29</a>
	<i>Release No: 25000664-N00001 Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   3/19/2022</i>			
COTA	111 E TOWN ST COLUMBUS OH 43215	N	0.22 / 1,181.21	<a href="#">32</a>
	<i>Release No: 25000254-N00001 Facility Status   LTF Status   Date Last Change: Inactive   1 SUS/CON from regulated UST   9/11/1996</i>			
CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	<a href="#">33</a>
	<i>Release No: 25010208-N00001</i>			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
	<b>Release No:</b> 25000758-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/19/2002			
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
	<b>Release No:</b> 25000758-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   8/23/2011			
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
	<b>Release No:</b> 25000758-N00004 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   8/28/2019			
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
	<b>Release No:</b> 25000758-N00003			
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
	<b>Release No:</b> 25000758-N00005 <b>Facility Status   LTF Status   Date Last Change:</b> Active   6 Closure of regulated UST   2/16/2022			
IBM BUILDING	140 E TOWN ST COLUMBUS OH 43215	N	0.31 / 1,658.47	<a href="#">43</a>
	<b>Release No:</b> 25001003-N00001			
SHERATON COLUMBUS AT CAPITOL SQUARE	75 E STATE ST COLUMBUS OH 43215	NNW	0.34 / 1,803.22	<a href="#">45</a>
	<b>Release No:</b> 25002300-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   9/10/1997			
FRANKLIN UNIVERSITY PARKING LOT	381 E MAIN COLUMBUS OH 43215	ENE	0.35 / 1,853.70	<a href="#">48</a>
	<b>Release No:</b> 25010583-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Active   1 SUS/CON from regulated UST   4/21/2015			
DONATO'S PIZZA	280 S GRANT AVE COLUMBUS OH 43230	ENE	0.35 / 1,866.34	<a href="#">51</a>
	<b>Release No:</b> 25000873-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   2/1/2000			
GALBREATH CO.	65 E STATE ST COLUMBUS OH 43215	NNW	0.36 / 1,876.28	<a href="#">52</a>
	<b>Release No:</b> 25001341-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   11/24/1998			
GRANT BONE & JOINT	323 E TOWN ST COLUMBUS OH 43215	NE	0.38 / 2,001.37	<a href="#">57</a>
	<b>Release No:</b> 25004511-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   4/6/1992			
GRANT BONE & JOINT	323 E TOWN ST COLUMBUS OH 43215	NE	0.38 / 2,001.37	<a href="#">57</a>
	<b>Release No:</b> 25004511-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   8/22/2006			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SHOEDINGER FUNERAL HOME	229 E STATE ST COLUMBUS OH 43215	NNE	0.39 / 2,041.14	<a href="#">59</a>
	<i>Release No: 25010593-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   8/1/1994</i>			
O R WOODYARD	263 E STATE ST COLUMBUS OH 43216	NNE	0.39 / 2,083.07	<a href="#">60</a>
	<i>Release No: 25011121-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   1 SUS/CON from regulated UST   11/6/2017</i>			
ORPHAN TANK	386 E LIVINGSTON AVE COLUMBUS OH 43215	ESE	0.39 / 2,083.22	<a href="#">61</a>
	<i>Release No: 25011093-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Active   6 Closure of regulated UST   3/27/2020</i>			
GRANT MEDICAL CENTER	340 EAST TOWN STREET COLUMBUS OH 43215	NE	0.40 / 2,115.95	<a href="#">62</a>
	<i>Release No: 25010424-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   12/11/1997</i>			
GRANT MEDICAL CENTER	111 S GRANT AVE COLUMBUS OH 43215	NE	0.40 / 2,115.95	<a href="#">62</a>
	<i>Release No: 25002364-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   3/24/2017</i>			
GRANT MEDICAL CENTER	393 E TOWN ST COLUMBUS OH 43215	NE	0.45 / 2,354.32	<a href="#">74</a>
	<i>Release No: 25003247-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   5/29/2015</i>			
CAP-FOURTH LIMITED/PARKING LOT	30-34 S 4TH ST COLUMBUS OH 43215	N	0.45 / 2,359.53	<a href="#">75</a>
	<i>Release No: 25010890-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   9/9/2005</i>			
POINT INVESTMENT PROPERTY	645 SOUTH GRANT AVE COLUMBUS OH 43206	SE	0.45 / 2,375.46	<a href="#">76</a>
	<i>Release No: 25010957-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   1 SUS/CON from regulated UST   6/21/2008</i>			
JACK SCHMIDT OLDSMOBILE	447 E MAIN ST COLUMBUS OH 43215	ENE	0.46 / 2,422.64	<a href="#">78</a>
	<i>Release No: 25008588-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   2/14/2003</i>			
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COLUMBUS FIRE STATION #2	150 E FULTON ST COLUMBUS OH 43215	ESE	0.02 / 112.04	<a href="#">1</a>
	<i>Release No: 25000042-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   6/21/1996</i>			
FORMER PFEIFER PRINTING	190 E FULTON ST COLUMBUS OH 43215	E	0.08 / 435.31	<a href="#">10</a>
	<i>Release No: 25010949-N00001</i> <i>Facility Status   LTF Status   Date Last Change: Inactive   6 Closure of regulated UST   3/5/2008</i>			
KATZINGERS DELI	475 S 3RD COLUMBUS OH 43215	SSW	0.12 / 648.99	<a href="#">18</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<b>Release No:</b> 25010341-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/6/2002			
BP OIL CO. #07937	480 S 3RD ST COLUMBUS OH 43215	S	0.14 / 747.91	<a href="#">20</a>
	<b>Release No:</b> 25001467-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   11/22/2004			
CERTIFIED OIL CO	303 S FRONT ST COLUMBUS OH 43215	W	0.27 / 1,405.84	<a href="#">37</a>
	<b>Release No:</b> 25010422-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   2/10/1998			
VACANT LOT	451-461 S LUDLOW ST COLUMBUS OH 43215	WSW	0.30 / 1,608.86	<a href="#">40</a>
	<b>Release No:</b> 25007574-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   11/17/1999			
ICE HOUSE VENTURES LLC	445-455 SOUTH LUDLOW ALLEY COLUMBUS OH 43215	WSW	0.31 / 1,630.44	<a href="#">42</a>
	<b>Release No:</b> 25011107-N00001			
SALVATION ARMY	570 S FRONT ST COLUMBUS OH 43215	SW	0.35 / 1,834.90	<a href="#">47</a>
	<b>Release No:</b> 25005589-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/20/1995			
LIBERTY PLACE, LLC	100 LIBERTY ST COLUMBUS OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>
	<b>Release No:</b> 25010788-N00001			
True North #612	631 S HIGH ST COLUMBUS OH 43215	SSW	0.36 / 1,902.58	<a href="#">54</a>
	<b>Release No:</b> 25000140-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   12/10/1998			
True North #612	631 S HIGH ST COLUMBUS OH 43215	SSW	0.36 / 1,902.58	<a href="#">54</a>
	<b>Release No:</b> 25000140-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   4/23/2002			
True North #612	631 S HIGH ST COLUMBUS OH 43215	SSW	0.36 / 1,902.58	<a href="#">54</a>
	<b>Release No:</b> 25000140-N00003 <b>Facility Status   LTF Status   Date Last Change:</b> Active   1 SUS/CON from regulated UST   11/28/2023			
FUTURE RIVER SOUTH COMMUNITY	SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215	WNW	0.38 / 2,001.21	<a href="#">56</a>
	<b>Release No:</b> 25010973-N00001			
OHIO BUR OF EMPLOYMENT SERVICES	145 S FRONT ST COLUMBUS OH 43215	WNW	0.40 / 2,116.73	<a href="#">63</a>
	<b>Release No:</b> 25001133-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   7/10/2014			
GRANGE INSURANCE	671 S HIGH STREET COLUMBUS OH 43206	SSW	0.40 / 2,117.59	<a href="#">64</a>
	<b>Release No:</b> 25000148-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   5/10/2006			
GRANGE INSURANCE	671 S HIGH STREET COLUMBUS OH 43206	SSW	0.40 / 2,117.59	<a href="#">64</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<b>Release No:</b> 25000148-N00002 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/27/2007			
CAPITAL MFG	153 W FULTON COLUMBUS OH 43216	WSW	0.41 / 2,178.15	<a href="#">65</a>
	<b>Release No:</b> 25010245-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   6/1/1999			
COLUMBUS DISPATCH	631 FRONT ST (N OF BLDG) COLUMBUS OH 43215	SW	0.43 / 2,260.79	<a href="#">66</a>
	<b>Release No:</b> 25010640-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   10/16/1992			
COLUMBUS DISPATCH	631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	SW	0.43 / 2,260.79	<a href="#">66</a>
	<b>Release No:</b> 25010641-N00001			
IRONSIDES CO	270 W MOUND COLUMBUS OH 43215	W	0.43 / 2,294.72	<a href="#">68</a>
	<b>Release No:</b> 25010001-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   10/5/1992			
CITY OF COLUMBUS FLEET MANAGEMENT	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	<a href="#">73</a>
	<b>Release No:</b> 25001318-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   9/8/1998			
CITY OF COLUMBUS	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	<a href="#">73</a>
	<b>Release No:</b> 25001318-N00002			
COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	<a href="#">79</a>
	<b>Release No:</b> 25001325-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   1 SUS/CON from regulated UST   7/20/2012			
CITY OF COLUMBUS	514 SHORT ST COLUMBUS OH 43215	WSW	0.47 / 2,461.60	<a href="#">80</a>
	<b>Release No:</b> 25000060-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   12/9/1997			
CONTRACT SWEEPERS	561 SHORT STREET COLUMBUS OH OH 43215	WSW	0.49 / 2,578.58	<a href="#">82</a>
	<b>Release No:</b> 25010734-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   3/4/2002			
OHIO JUDICIAL CENTER	65 S FRONT ST COLUMBUS OH 43215	NW	0.49 / 2,578.94	<a href="#">83</a>
	<b>Release No:</b> 25010693-N00001 <b>Facility Status   LTF Status   Date Last Change:</b> Inactive   6 Closure of regulated UST   2/1/2001			
REMOTE PAPER WAREHOUSE	135 W SYCAMORE ST COLUMBUS OH 43215	SW	0.50 / 2,624.63	<a href="#">84</a>
	<b>Release No:</b> 25000255-N00001			

### DELISTED LST - Delisted Petroleum Release List

A search of the DELISTED LST database, dated Jun 3, 2024 has found that there are 17 DELISTED LST site(s) within approximately 0.50miles of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	<a href="#">33</a>
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
CERTIFIED OIL CO. #4	74 W MOUND ST COLUMBUS OH 43215	W	0.27 / 1,411.62	<a href="#">38</a>
IBM BUILDING	140 E TOWN ST COLUMBUS OH 43215	N	0.31 / 1,658.47	<a href="#">43</a>
FRANKLIN UNIVERSITY PARKING LOT	381 E MAIN COLUMBUS OH 43215	ENE	0.35 / 1,856.55	<a href="#">49</a>
O R WOODYARD	263 E STATE ST COLUMBUS OH 43216	NNE	0.39 / 2,083.07	<a href="#">60</a>
GRANT MEDICAL CENTER	111 S GRANT AVE COLUMBUS OH 43215	NE	0.40 / 2,115.95	<a href="#">62</a>
RICKENBACKER ANGB	GENERAL FILE COLUMBUS OH 43217	NNW	0.43 / 2,295.67	<a href="#">69</a>
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
ICE HOUSE VENTURES LLC	445-455 SOUTH LUDLOW ALLEY COLUMBUS OH 43215	WSW	0.31 / 1,622.90	<a href="#">41</a>
LIBERTY PLACE, LLC	100 LIBERTY ST COLUMBUS OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>
FUTURE RIVER SOUTH COMMUNITY	SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215	WNW	0.38 / 2,001.21	<a href="#">56</a>
OHIO BUR OF EMPLOYMENT SERVICES	145 S FRONT ST COLUMBUS OH 43215-4156	WNW	0.40 / 2,116.73	<a href="#">63</a>
COLUMBUS DISPATCH	631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	SW	0.44 / 2,334.78	<a href="#">72</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CITY OF COLUMBUS	423 SHORT ST COLUMBUS OH 43215	WSW	0.44 / 2,345.71	<a href="#">73</a>
COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	<a href="#">79</a>
COLUMBUS MUNICIPAL GARAGE	475 SHORT ST COLUMBUS OH 43215	WSW	0.46 / 2,423.67	<a href="#">79</a>
REMOTE PAPER WAREHOUSE	135 W SYCAMORE ST COLUMBUS OH 43215	SW	0.47 / 2,486.14	<a href="#">81</a>

### UST - Ohio Registered Underground Storage Tanks (UST)

A search of the UST database, dated Jun 3, 2024 has found that there are 11 UST site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FCCG	31 E MOUND ST COLUMBUS OH 43215  <i>Facility No: 25011027</i>	W	0.08 / 416.89	<a href="#">7</a>
FRANKLIN COUNTY STREET PARKING GARAGE	34 EAST FULTON STREET COLUMBUS OH 43215  <i>Facility No: 25011116 Tank No   Status: T00001   CLO - In Place</i>	WSW	0.10 / 547.33	<a href="#">14</a>
FRANKLIN COUNTY COURTHOUSE	369 SOUTH HIGH ST COLUMBUS OH 43215  <i>Facility No: 25010989 Tank No   Status: T00001   REM - Removed</i>	W	0.15 / 804.15	<a href="#">22</a>
FRANKLIN COUNTY COURTHOUSE	345 S HIGH ST COLUMBUS OH 43215  <i>Facility No: 25011008 Tank No   Status: T00001   REM - Removed</i>	W	0.17 / 885.12	<a href="#">23</a>
SCHULER INC	222 S 3RD ST COLUMBUS OH 43207  <i>Facility No: 25010524 Tank No   Status: T00003   REM - Removed, T00001   REM - Removed, T00002   REM - Removed</i>	NNW	0.20 / 1,031.90	<a href="#">26</a>
MOBILE DOWNTOWN	215 E RICH ST COLUMBUS OH 43215  <i>Facility No: 25000664 Tank No   Status: T00003   CIU - Currently In Use, T00002   CIU - Currently In Use, T00001   CIU - Currently In Use, T00008   REM - Removed, T00005   REM - Removed, T00004   REM - Removed, T00006   REM - Removed, T00009   REM - Removed, T00007   REM - Removed</i>	NE	0.21 / 1,102.28	<a href="#">29</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COTA	111 E TOWN ST COLUMBUS OH 43215	N	0.22 / 1,181.21	<a href="#">32</a>
<i>Facility No: 25000254</i> <i>Tank No   Status: T00003   OS1 - OOS1 &lt; 12 Mths, T00002   REM - Removed, T00001   REM - Removed</i>				
CENTRAL BENEFITS	255 E MAIN ST COLUMBUS OH 43215	ENE	0.22 / 1,184.47	<a href="#">33</a>
<i>Facility No: 25010208</i> <i>Tank No   Status: T00001   REM - Removed</i>				
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COLUMBUS FIRE STATION #2	150 E FULTON ST COLUMBUS OH 43215	ESE	0.02 / 112.04	<a href="#">1</a>
<i>Facility No: 25000042</i> <i>Tank No   Status: T00002   REM - Removed, T00001   REM - Removed</i>				
FORMER PFEIFER PRINTING	190 E FULTON ST COLUMBUS OH 43215	E	0.08 / 435.31	<a href="#">10</a>
<i>Facility No: 25010949</i> <i>Tank No   Status: T00001   REM - Removed</i>				
BP OIL CO. #07937	480 S 3RD ST COLUMBUS OH 43215	S	0.14 / 747.91	<a href="#">20</a>
<i>Facility No: 25001467</i> <i>Tank No   Status: T00003   REM - Removed, T00001   REM - Removed, T00002   REM - Removed, T00004   REM - Removed</i>				

### **DTNK - Delisted Storage Tanks**

A search of the DTNK database, dated Aug 7, 2024 has found that there are 1 DTNK site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KATZINGERS DELI	475 S 3RD COLUMBUS OH 43215	SSW	0.12 / 648.99	<a href="#">18</a>

### **ENG - Engineering Controls**

A search of the ENG database, dated Jun 21, 2024 has found that there are 1 ENG site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Liberty Place LLC, Columbus	100 Liberty St Columbus OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>

### **INST - Institutional Controls**

A search of the INST database, dated Jun 21, 2024 has found that there are 2 INST site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Lazarus Bldg, Columbus	141 S High St Columbus OH 43215	NW	0.34 / 1,796.87	<a href="#">44</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Liberty Place LLC, Columbus	100 Liberty St Columbus OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>
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### **VCP - Voluntary Action Program Sites**

A search of the VCP database, dated Jun 21, 2024 has found that there are 4 VCP site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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LC RiverSouth Redevelopment	203-213 & 221 South High St Columbus OH 43215-	NW	0.27 / 1,429.03	<a href="#">39</a>
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Lazarus Bldg, Columbus	141 S High St Columbus OH 43215	NW	0.34 / 1,796.87	<a href="#">44</a>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Liberty Place LLC, Columbus	100 Liberty St Columbus OH 43215	WSW	0.36 / 1,895.68	<a href="#">53</a>
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Miranova Property & Three Sites USD, Columbus	CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215	WSW	0.46 / 2,415.67	<a href="#">77</a>
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### **VAP CNS - Covenants Not to Sue Sites**

A search of the VAP CNS database, dated Jun 24, 2024 has found that there are 3 VAP CNS site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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LC RiverSouth Redevelopment	203-213 and 221 South High St Columbus OH	NW	0.27 / 1,429.03	<a href="#">39</a>
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Lazarus Bldg, Columbus	141 S High St Columbus OH	NW	0.34 / 1,796.87	<a href="#">44</a>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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Liberty Place LLC, Columbus	100 Liberty St Columbus OH	WSW	0.36 / 1,895.68	<a href="#">53</a>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
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**Non Standard**

**Federal**

**PFAS IND - PFAS Industry Sectors**

A search of the PFAS IND database, dated Jul 1, 2024 has found that there are 1 PFAS IND site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
D A STUART CO	COLUMBUS OH	W	0.43 / 2,289.53	<a href="#">67</a>

**MRDS - Mineral Resource Data System**

A search of the MRDS database, dated Mar 15, 2016 has found that there are 1 MRDS site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
(FACILITY) ASARCO COLUMBUS SMELTER	FRANKLIN COUNTY COLUMBUS OH 43215  <i>Dep ID: 10297514</i>	NNW	0.76 / 4,013.57	<a href="#">98</a>

**LM SITES - DOE Legacy Management Sites**

A search of the LM SITES database, dated Dec 12, 2023 has found that there are 1 LM SITES site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Columbus East Site	OH	W	0.83 / 4,362.69	<a href="#">101</a>

**ALT FUELS - Alternative Fueling Stations**

A search of the ALT FUELS database, dated Apr 30, 2024 has found that there are 8 ALT FUELS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Fulton Street Parking Garage	410 S High St Columbus OH 43215  <i>ID: 204871</i>	WSW	0.12 / 652.00	<a href="#">19</a>
COLUMBUS COMMON STATION 1	55 E Rich St Columbus OH 43215  <i>ID: 193282</i>	NNW	0.19 / 1,004.81	<a href="#">25</a>
COLUMBUS COMMON STATION 3	55 E Rich St Columbus OH 43215	NNW	0.19 / 1,004.81	<a href="#">25</a>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>ID: 193280</i>			
COLUMBUS COMMON STATION 2	55 E Rich St Columbus OH 43215	NNW	0.19 / 1,004.81	<a href="#">25</a>
	<i>ID: 193281</i>			
NATIONWIDECCHILD NCH-W30 EV 1	231 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,144.40	<a href="#">30</a>
	<i>ID: 149931</i>			
NATIONWIDECCHILD NCH-W30 EV 2	237 1/2 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,153.22	<a href="#">31</a>
	<i>ID: 149930</i>			
NATIONWIDECCHILD NCH-W30 EV 3	237 1/2 E Livingston Ave Columbus OH 43215	ESE	0.22 / 1,153.22	<a href="#">31</a>
	<i>ID: 174798</i>			
NATIONWIDECCHILD NCH-W30 EV 4	249 E Livingston Ave Columbus OH 43215	ESE	0.24 / 1,265.93	<a href="#">36</a>
	<i>ID: 149932</i>			

### **PCB - Polychlorinated Biphenyl (PCB) Notifiers**

A search of the PCB database, dated May 23, 2024 has found that there are 1 PCB site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
IBM BUILDING	140 EAST TOWN STREET COLUMBUS OH 43215	N	0.31 / 1,658.47	<a href="#">43</a>
	<i>Site ID: OHD987056488</i>			

### **State**

### **SPILLS - Ohio Emergency Response (ER) Spills data**

A search of the SPILLS database, dated May 25, 2022 has found that there are 22 SPILLS site(s) within approximately 0.12miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	309 SOUTH 4TH ST COLUMBUS OH	NNE	0.07 / 383.73	<a href="#">5</a>
	<i>Case No/Spill ID   Spill No: 539</i>			
	113 EAST MAIN ST REAR IF TEH BUILDING COLUMBU OH	NNW	0.10 / 529.54	<a href="#">12</a>
	<i>Case No/Spill ID   Spill No: 0909EPA0002808  </i>			
	US 23 AT MAIN ST CROSSING RISING SUN OH	NNW	0.10 / 542.35	<a href="#">13</a>

**Equal/Higher Elevation**

<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
3RD ST AND MAIN ST COLUMBUS OH	NNW	0.10 / 542.35	<a href="#"><u>13</u></a>
<b><i>Case No/Spill ID   Spill No: 1704EPA0000893  </i></b>			
LAZELLE & E MAIN ST COLUMBUS OH	N	0.10 / 550.31	<a href="#"><u>15</u></a>
4TH ST & MAIN ST COLUMBUS OH	NNE	0.11 / 571.16	<a href="#"><u>16</u></a>
410 S HIGH ST COLUMBUS OH	WSW	0.12 / 652.00	<a href="#"><u>19</u></a>

**Lower Elevation**

<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
150 EAST MOUND ST COLUMBUS OH	NE	0.02 / 129.91	<a href="#"><u>2</u></a>
<b><i>Case No/Spill ID   Spill No: 2311</i></b>			
4TH AND FULTON COLUMBUS OH	ESE	0.06 / 329.62	<a href="#"><u>3</u></a>
<b><i>Case No/Spill ID   Spill No: 0610EPA0003788  </i></b>			
4TH AND FULTON COLUMBUS OH	ESE	0.06 / 329.62	<a href="#"><u>3</u></a>
NOBLE & 4TH COLUMBUS OH	NE	0.06 / 340.94	<a href="#"><u>4</u></a>
<b><i>Case No/Spill ID   Spill No: 49</i></b>			
I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	ESE	0.07 / 393.99	<a href="#"><u>6</u></a>
<b><i>Case No/Spill ID   Spill No: 0411EPA0004756  </i></b>			
70 WB AT 4TH ST COLUMBUS OH	ESE	0.07 / 393.99	<a href="#"><u>6</u></a>
1-70 WB JUST PAST 4TH ST EXIT COLUMBUS OH	ESE	0.07 / 393.99	<a href="#"><u>6</u></a>
I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	ESE	0.07 / 393.99	<a href="#"><u>6</u></a>
70 WB @ 4TH ST EXIT COLUMBUS OH	ESE	0.07 / 393.99	<a href="#"><u>6</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	I70 WB NEAR 3RD ST BRIDGE COLUMBUS OH	S	0.08 / 427.69	<a href="#">8</a>
<i>Case No/Spill ID   Spill No: 0712EPA0004578  </i>				
	I-70 WB @ 4TH COLUMBUS OH	SE	0.08 / 428.76	<a href="#">9</a>
	70 WB @ 4TH ST COLUMBUS OH	SE	0.08 / 428.76	<a href="#">9</a>
	I-70 EB UNDER 3RD ST COLUMBUS OH	SSW	0.09 / 467.19	<a href="#">11</a>
	I70 EB 150 FT W OF 3RD ST COLUMBUS OH	SSW	0.09 / 467.19	<a href="#">11</a>
	2 Blk E Livingston Ave COLUMBUS OH 43215	SSW	0.12 / 624.05	<a href="#">17</a>
<i>Case No/Spill ID   Spill No: 1803EPA0000538  </i>				

### **TOWNGAS - Ohio Historic Towngas Database (TOWNGAS)**

A search of the TOWNGAS database, dated Historic has found that there are 1 TOWNGAS site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COLUMBUS GAS LIGHT & COKE COMPANY	LONG & FRONT STREETS COLUMBUS OH 43201	NW	0.76 / 4,008.30	<a href="#">97</a>

### **DRYCLEANERS - Dry Cleaning Facilities**

A search of the DRYCLEANERS database, dated Jul 4, 2023 has found that there are 2 DRYCLEANERS site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SWISS CLEANERS	189 E. RICH ST. COLUMBUS OH 43215	NNE	0.20 / 1,036.65	<a href="#">27</a>
SWAN SUPER CLEANERS NO 11	255 S HIGH ST Columbus OH 43215	WNW	0.23 / 1,206.92	<a href="#">34</a>

### **USD - Urban Setting Designation Sites**

A search of the USD database, dated May 7, 2024 has found that there are 3 USD site(s) within approximately 0.50miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
Miranova Property & Three Sites	CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	WSW	0.34 / 1,812.18	<a href="#">46</a>
Miranova Property & Three Sites	CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	W	0.44 / 2,324.10	<a href="#">70</a>
Miranova Property & Three Sites	CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	WSW	0.44 / 2,333.29	<a href="#">71</a>



**Map: 1.0 Mile Radius**

Order Number: 24082300438

Address: 360 South 3rd Street, Columbus, OH



- Project Property
- Buffer Outline
- ▲ Sites with Higher Elevation
- ▲ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- + Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



### Map: 0.5 Mile Radius

Order Number: 24082300438

Address: 360 South 3rd Street, Columbus, OH



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

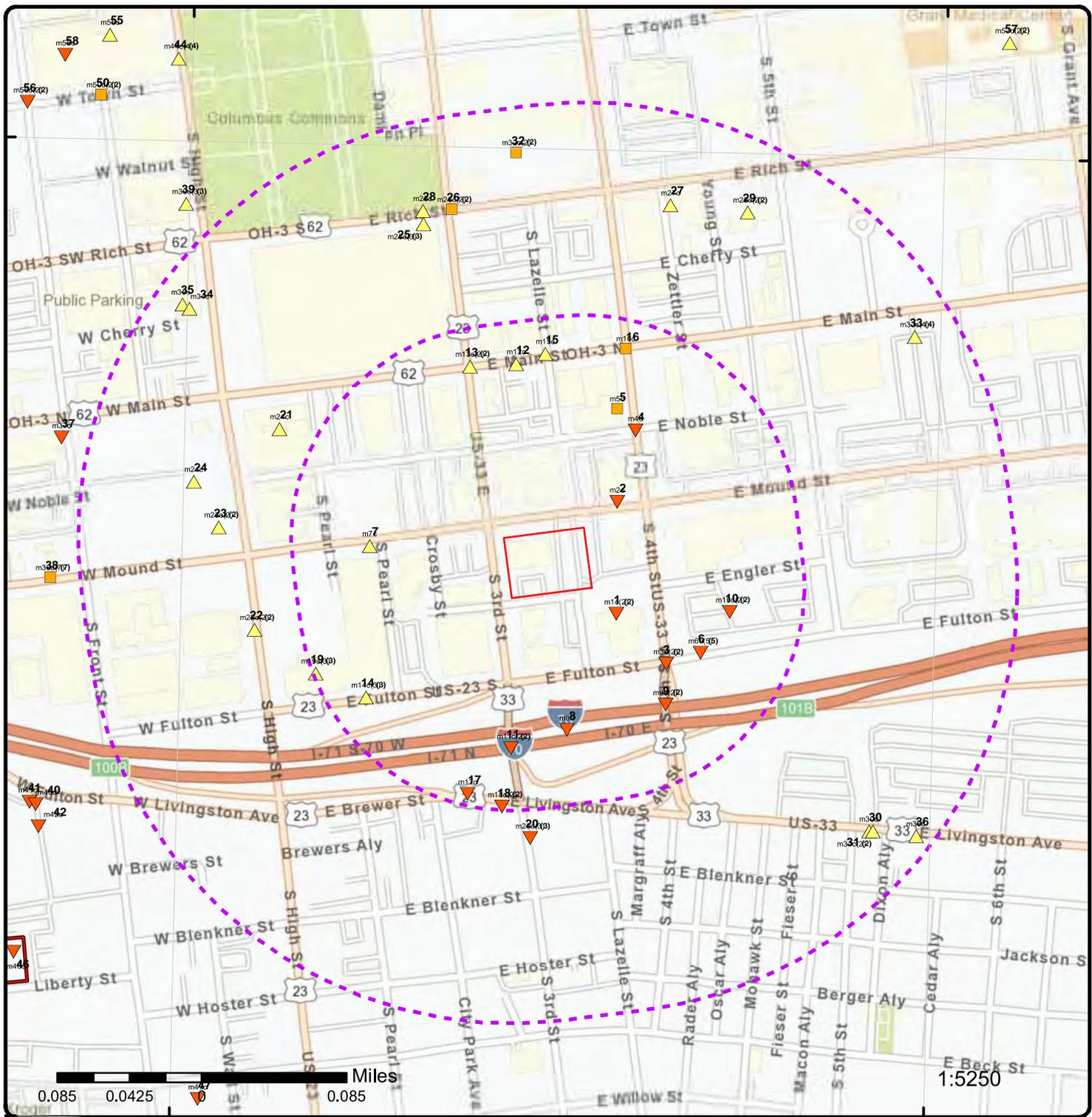
500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)



1:10250



### Map: 0.25 Mile Radius

Order Number: 24082300438  
Address: 360 South 3rd Street, Columbus, OH



- Project Property
- Buffer Outline
- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- + Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

83°0'W

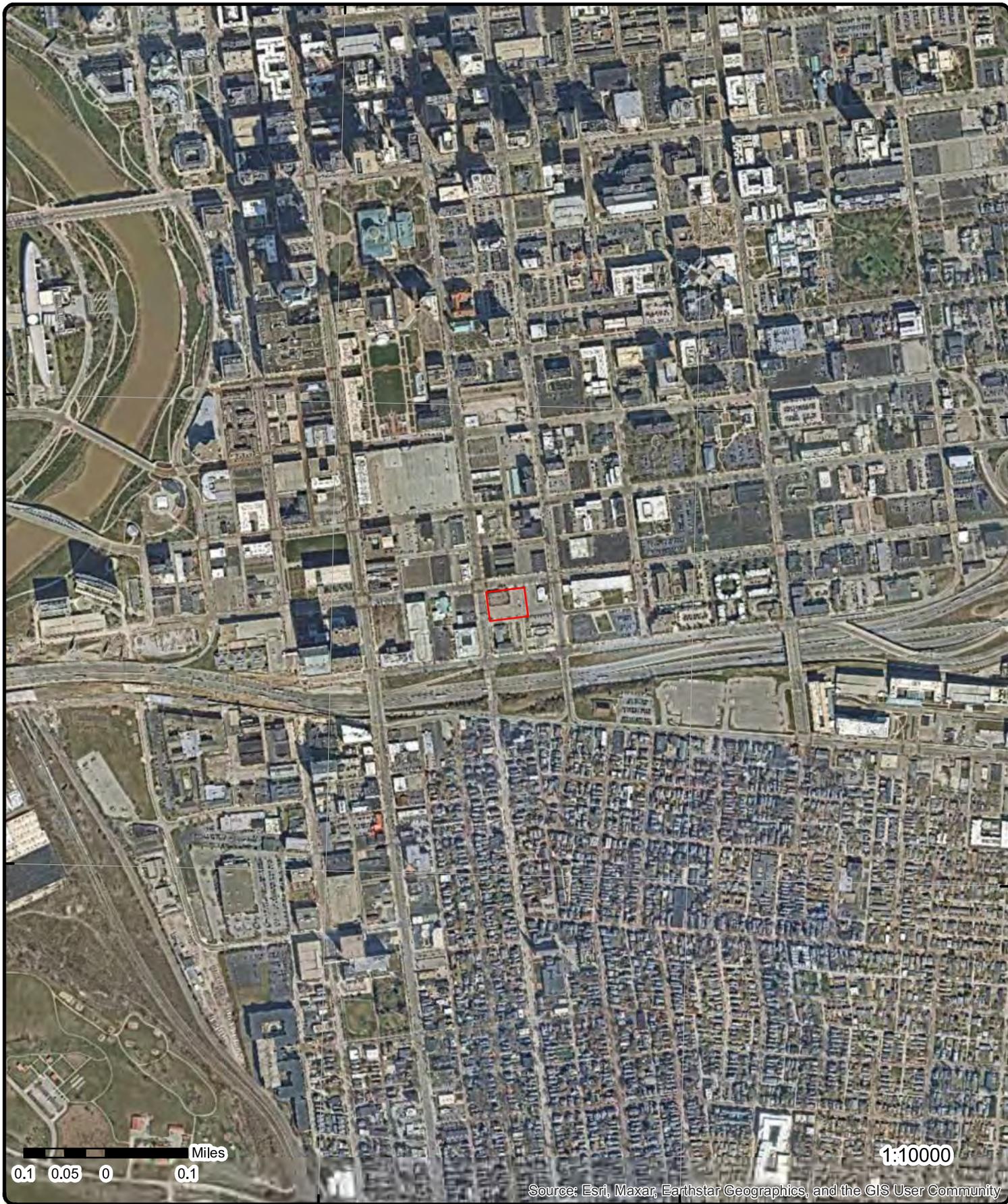
82°59'30"W

39°57'30"N

39°57'30"N

39°57'N

39°57'N



**Aerial** Year: 2024

Address: 360 South 3rd Street, Columbus, OH

Source: ESRI World Imagery

Order Number: 24082300438

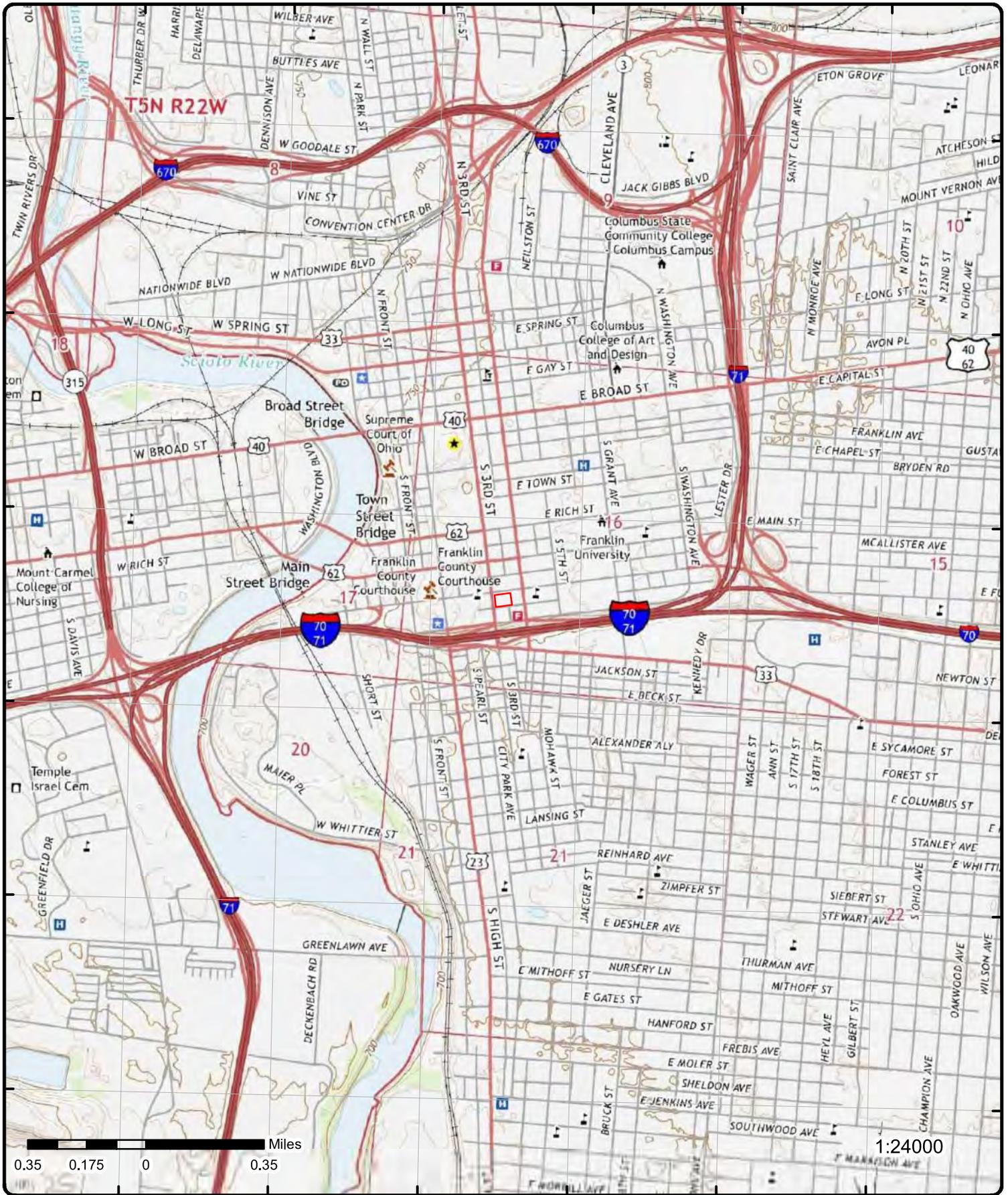


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83°1'W 83°0'30"W 83°0'W 82°59'30"W 82°59'W 82°58'30"W

39°58'30"N 39°58'N 39°57'30"N 39°57'N 39°56'30"N 39°56'N

39°58'30"N 39°58'N 39°57'30"N 39°57'N 39°56'30"N 39°56'N



# Topographic Map Year: 2019

Order Number: 24082300438

Address: 360 South 3rd Street, OH



Quadrangle(s): Southwest Columbus OH, Southeast Columbus OH

© ERIS Information Inc.

Source: USGS Topographic Map

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 2	ESE	0.02 / 112.04	752.79 / -2	COLUMBUS FIRE STATION #2 150 E FULTON ST COLUMBUS OH 43215	LUST

**Release No:** 25000042-N00001  
**Release No (Map):** 25000042 - N00001  
**Facility Name (Map):** CITY OF COLUMBUS  
**Address (Map):** 150 E FULTON ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95424  
**Longitude (Map):** -82.99505  
**Release No (Web):** 25000042-N00001  
**Facility Name (Web):** COLUMBUS FIRE STATION #2  
**Address (Web):** 150 E FULTON ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.954074  
**Longitude (Web):** -82.995117  
**Release No (BUSTR):** 25000042 - N00001  
**Facility Name (BUSTR):** COLUMBUS FIRE STATION #2  
**Address (BUSTR):** 150 E FULTON ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.954074  
**Longitude (BUSTR):** -82.995117  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25000042 (COLUMBUS FIRE STATION #2)  
**Address (OTTER):** 150 E FULTON ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b> Inactive	<b>Date Last Change:</b> 6/21/1996
<b>LTF Status:</b> 6 Closure of regulated UST	<b>Review Date:</b> 06/21/1996
<b>FR Status:</b> NFA: No Further Action	<b>Priority:</b> 2
<b>Release Date:</b> 02/06/1996	<b>Class:</b> D
<b>Class Description:</b> A viable RP has been identified	

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b> 256020100.0	<b>Date Reported:</b> 2/6/1996
<b>Tank Status:</b> No Tanks Available	<b>Owner Busi Name:</b> CITY OF COLUMBUS
<b>Facility:</b> 25000042 (COLUMBUS FIRE STATION #2)	
<b>Facility Link:</b> <a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28150">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28150</a>	
<b>Release Link:</b> <a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18480">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18480</a>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**BUSTR Map: All Environmental**

<b>Object ID:</b>	11573	<b>Lat:</b>	39.95424
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99505
<b>Release No:</b>	25000042 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	150 E Fulton St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5439	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000042 - N00001 CITY OF COLUMBUS		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	256020100.0	<b>Facility Name:</b>	COLUMBUS FIRE STATION #2
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	150 E FULTON ST
<b>Release Date:</b>	2/6/1996	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	6/21/1996	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.954074
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.995117
<b>Rules:</b>	1992	<b>Last Review Date:</b>	6/21/1996
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	8/6/2021
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	9265		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">1</a>	2 of 2	<b>ESE</b>	<b>0.02 / 112.04</b>	<b>752.79 / -2</b>	<b>COLUMBUS FIRE STATION #2 150 E FULTON ST COLUMBUS OH 43215</b>	<b>UST</b>
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<b>Facility No:</b>	25000042
<b>Facility No (Web):</b>	
<b>Facility Name (Web):</b>	
<b>Address (Web):</b>	
<b>City (Web):</b>	
<b>Zip (Web):</b>	
<b>County (Web):</b>	
<b>Latitude (Web):</b>	
<b>Longitude (Web):</b>	
<b>State (Web):</b>	
<b>Facility No (Web2):</b>	25000042
<b>Facility Name (Web2):</b>	COLUMBUS FIRE STATION #2
<b>Address (Web2):</b>	150 E FULTON ST
<b>City (Web2):</b>	COLUMBUS
<b>Zip (Web2):</b>	43215
<b>Latitude (Web2):</b>	39.954074
<b>Longitude (Web2):</b>	-82.995117
<b>State (Web2):</b>	Ohio
<b>County (Web2):</b>	Franklin
<b>Fac No (Map):</b>	25000042
<b>Fac Name (Map):</b>	CITY OF COLUMBUS
<b>Address (Map):</b>	150 E FULTON ST
<b>City (Map):</b>	COLUMBUS
<b>State (Map):</b>	Ohio
<b>Zip (Map):</b>	43215
<b>County (Map):</b>	Franklin
<b>Latitude (Map):</b>	39.95424
<b>Longitude (Map):</b>	-82.99505
<b>Address (OTTER):</b>	150 E FULTON ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43215
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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(Map)

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	256020100.0	<b>Date Reported:</b>	2/6/1996
<b>Tank Status:</b>	No Tanks Available	<b>Own Business Name:</b>	CITY OF COLUMBUS
<b>Facility URL:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28150		
<b>Release No URL:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18480		

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00002	<b>Date Last Used:</b>	02/06/1996
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	550
<b>UST:</b>	UST	<b>Tank Content:</b>	Diesel
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>	01/01/1980	<b>CAS No:</b>	68334-30-5
<b>Date Removed:</b>	02/06/1996	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	CITY OF COLUMBUS		
<b>Owner Address:</b>	90 W BROAD ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	BM - Bare Metal		
<b>Construction Comments:</b>	Steel		
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>	OverFill Spill: No		
<b>Prmry Release Detection:</b>	AMO - Alternative Method (Other, explain)		
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>	RDTank: / RDLine:		
<b>Spill Prevention Manholes:</b>	NP - None Present		
<b>Spill Prev Manhole Comment:</b>	No		
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	S - Suction		
<b>Piping Construction:</b>	BM - Bare Metal		
<b>Piping Construct Comments:</b>	Galvanized Steel		
<b>Piping Corrosion Protection:</b>	OTH - Other (explain)		
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>	OTH - Other(explain)		
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	02/06/1996
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	550
<b>UST:</b>	UST	<b>Tank Content:</b>	Gasoline
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>	01/01/1980	<b>CAS No:</b>	8006-61-9
<b>Date Removed:</b>	02/06/1996	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	CITY OF COLUMBUS		
<b>Owner Address:</b>	90 W BROAD ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	BM - Bare Metal		
<b>Construction Comments:</b>	Steel		
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>	OverFill Spill: No		
<b>Prmry Release Detection:</b>	AMO - Alternative Method (Other, explain)		
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>	RDTank: / RDLine:		
<b>Spill Prevention Manholes:</b>	NP - None Present		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Spill Prev Manhole Comment:</b>		No				
<b>Corrosion Protections:</b>						
<b>Corrosion Protect Comments:</b>						
<b>Piping Configuration:</b>						
<b>Piping Config Comment:</b>						
<b>Piping Styles:</b>		S - Suction				
<b>Piping Construction:</b>		BM - Bare Metal				
<b>Piping Construct Comments:</b>		Galvanized Steel				
<b>Piping Corrosion Protection:</b>		OTH - Other (explain)				
<b>Piping Corr Protect Comments:</b>						
<b>Piping Release Detection:</b>		OTH - Other(explain)				
<b>Piping Rel Detect Comments:</b>						
<b>Comments:</b>						

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b>	T00002	<b>Address Out:</b>	150 E Fulton St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Diesel	<b>State Out:</b>	OH
<b>UST Capacity:</b>	550	<b>Zip Out:</b>	43215-5439
<b>Label:</b>	25000042 CITY OF COLUMBUS	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95424	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99505		
<b>Tank No:</b>	T00001	<b>Address Out:</b>	150 E Fulton St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Gasoline	<b>State Out:</b>	OH
<b>UST Capacity:</b>	550	<b>Zip Out:</b>	43215-5439
<b>Label:</b>	25000042 CITY OF COLUMBUS	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95424	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99505		

<a href="#">2</a>	1 of 1	NE	0.02 / 129.91	752.52 / -2	150 EAST MOUND ST COLUMBUS OH	SPILLS
<b>Case No/Spill ID:</b>						
<b>Spill No:</b>	2311					
<b>4 Digit No:</b>						
<b>Reported On:</b>	10/11/2013 00:00:00					
<b>Spill Year:</b>	2013					
<b>Spill Month:</b>	10					
<b>Spill Month No:</b>						
<b>Spill DOM:</b>						
<b>Spill DOY:</b>						
<b>Spiller Report:</b>						
<b>Phone Followup:</b>						
<b>District:</b>	CD					
<b>County:</b>	25					
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>City Twn (EPA):</b>						
<b>OEPA Dist (EPA):</b>						
<b>County (EPA):</b>						
<b>Latitude (EPA):</b>						
<b>Longitude (EPA):</b>						
<b>OEPA Dist (Ohio):</b>						
<b>County No (Ohio):</b>						
<b>IIR Name:</b>						
<b>Affiliation:</b>						
<b>Location:</b>	150 EAST MOUND ST					
<b>City Twp:</b>	COLUMBUS					
<b>Zip Code:</b>						
<b>Spill Location (Ohio):</b>						
<b>City Twn (Ohio):</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Zip Code (Ohio):  
 Spill Location (Hist):  
 City Twn (Hist):  
 Location (Rel):  
 City Twn (Rel):  
 City Twn (Rel 2):  
 Data Source:

**Historical Release Details**

Product Name: ASBESTOS  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:  
 Entity: GUARANTEED ASSET MGT  
 Reported By: DANIEL FLETCHER  
 Spill Month: 10  
 Spill Year: 2013

<u>3</u>	1 of 2	ESE	0.06 / 329.62	750.31 / -4	4TH AND FULTON COLUMBUS OH	SPILLS
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Case No/Spill ID:		County (Ohio):
Spill No:		Latitude (Ohio):
4 Digit No:	3788	Longitude (Ohio):
Reported On:	10/17/2006 00:00:00	City Twn (Prod):
Spill Year:	2006	OEPA Dist (Prod):
Spill Month:	10	County No (Prod):
Spill Month No:		County (Prod):
Spill DOM:		Latitude (Prod):
Spill DOY:		Longitude (Prod):
Spiller Report:	NO	OEPA Dist (Hist):
Phone Followup:	NO	County (Hist):
District:	CD	Latitude (Hist):
County:	25	Longitude (Hist):
Latitude:	3957146	OEPA Dist (Rel 2):
Longitude:	8259409	County (Rel 2):
City Twn (EPA):		Latitude (Rel 2):
OEPA Dist (EPA):		Longitude (Rel 2):
County (EPA):		OEPA Dist (Rel):
Latitude (EPA):		County (Rel):
Longitude (EPA):		Latitude (Rel):
OEPA Dist (Ohio):		Longitude (Rel):
County No (Ohio):		

IIR Name:  
 Affiliation:  
 Location: 4TH AND FULTON  
 City Twp: COLUMBUS  
 Zip Code:  
 Spill Location (Ohio):  
 City Twn (Ohio):  
 Zip Code (Ohio):  
 Spill Location (Hist):  
 City Twn (Hist):  
 Location (Rel):  
 City Twn (Rel):  
 City Twn (Rel 2):  
 Data Source:

**Historical Release Details**

Product Name: DIESEL FUEL  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity:		JB HUNT PF				
Reported By:		ANTHONY BROOKS				
Spill Month:		10				
Spill Year:		2006				

3      2 of 2      ESE      0.06 / 329.62      750.31 / -4      4TH AND FULTON COLUMBUS OH      SPILLS

Case No/Spill ID:	0610EPA0003788	County (Ohio):	
Spill No:		Latitude (Ohio):	
4 Digit No:		Longitude (Ohio):	
Reported On:		City Twn (Prod):	
Spill Year:		OEPA Dist (Prod):	
Spill Month:		County No (Prod):	
Spill Month No:		County (Prod):	
Spill DOM:		Latitude (Prod):	
Spill DOY:		Longitude (Prod):	
Spiller Report:		OEPA Dist (Hist):	CDO
Phone Followup:		County (Hist):	Franklin
District:		Latitude (Hist):	39.95405556
County:		Longitude (Hist):	-82.99469444
Latitude:		OEPA Dist (Rel 2):	CDO
Longitude:		County (Rel 2):	Franklin
City Twn (EPA):		Latitude (Rel 2):	39.95405556
OEPA Dist (EPA):		Longitude (Rel 2):	-82.99469444
County (EPA):		OEPA Dist (Rel):	CDO
Latitude (EPA):		County (Rel):	Franklin
Longitude (EPA):		Latitude (Rel):	39.95405556
OEPA Dist (Ohio):		Longitude (Rel):	-82.99469444
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:			
City Twp:			
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):	4TH AND FULTON		
City Twn (Hist):	COLUMBUS		
Location (Rel):	4TH AND FULTON		
City Twn (Rel):	COLUMBUS		
City Twn (Rel 2):	COLUMBUS		
Data Source:	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

**Spill Sites Historic Details**

Spill Year:	2006	Reprted Date:	10/16/2006, 8:00 PM
Spill Month:	October	Latitude:	39.95405556
Spill Mth No:	10	Longitude:	-82.99469444
Spill DoM:	17	X:	-82.994690243419
Spill DoY:	290	Y:	39.9540478170276
Waterway:	COMBINED STORM DRAIN		

**Historic Spills and Releases 2 Details**

Spill Month:	10	Recov Amount:	
Spill DOM:	17	Recov Unit:	
Spill Year:	2006	Recov Product Type:	Fuels (Combustible FP100F)
Spill Month No:	10	Latitude:	39.95405556
Spill DOY:	290	Longitude:	-82.99469444
Reported Date:	10/16/2006, 8:00 PM	X:	-82.994690243419
Reported Amount:	100	Y:	39.9540478170276
Reported UOM:			
Reported Product:	DIESEL FUEL		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Waterway: COMBINED STORM DRAIN

**Historic Spills and Releases Details**

<b>Spill Year:</b>	2006	<b>Ext Haz:</b>	
<b>Spill Month:</b>	10	<b>Disposition:</b>	
<b>Spill Month No:</b>	10	<b>CRS:</b>	4326
<b>Spill DOM:</b>	17	<b>Geometry Type:</b>	esriGeometryPoint
<b>Spill Day of Year:</b>	290	<b>Latitude:</b>	39.95405556
<b>Amount:</b>	100	<b>Longitude:</b>	-82.99469444
<b>Unit:</b>		<b>X:</b>	-82.994699
<b>Reported On:</b>	10/16/2006, 8:00 PM	<b>Y:</b>	39.954063
<b>Product:</b>	DIESEL FUEL		
<b>Spill Size:</b>	SMALL: 500 GAL/400 LBS		
<b>Spill Type:</b>			
<b>Incident Type Code:</b>	05		
<b>Incident Type:</b>	WATERWAY		
<b>Modifying Circumstance Code:</b>			
<b>Modifying Circumstance:</b>			

<a href="#">4</a>	1 of 1	NE	0.06 / 340.94	753.52 / -1	NOBLE & 4TH COLUMBUS OH	SPILLS
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<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>	49	<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>		<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	1/10/2014 09:37:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	2014	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	1	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>		<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>		<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	NOBLE & 4TH		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

**Product Name:** SEWAGE  
**Media Affected:**  
**Acutal Amount:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Unit of Measure:**

**Entity:** COLUMBUS WWTP  
**Reported By:** MIKE FOSTER  
**Spill Month:** 1  
**Spill Year:** 2014

<a href="#">5</a>	1 of 1	NNE	0.07 / 383.73	754.30 / 0	309 SOUTH 4TH ST COLUMBUS OH	SPILLS
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<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>
<b>Spill No:</b> 539		<b>Latitude (Ohio):</b>
<b>4 Digit No:</b>		<b>Longitude (Ohio):</b>
<b>Reported On:</b> 3/23/2015 4:09:18 PM		<b>City Twn (Prod):</b>
<b>Spill Year:</b> 2015		<b>OEPA Dist (Prod):</b>
<b>Spill Month:</b> 3		<b>County No (Prod):</b>
<b>Spill Month No:</b>		<b>County (Prod):</b>
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>
<b>Phone Followup:</b>		<b>County (Hist):</b>
<b>District:</b> CD		<b>Latitude (Hist):</b>
<b>County:</b> 25		<b>Longitude (Hist):</b>
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>
<b>Longitude:</b>		<b>County (Rel 2):</b>
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>
<b>Latitude (EPA):</b>		<b>County (Rel):</b>
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>
<b>County No (Ohio):</b>		
<b>IIR Name:</b>		
<b>Affiliation:</b> CIT		
<b>Location:</b> 309 SOUTH 4TH ST		
<b>City Twp:</b> COLUMBUS		
<b>Zip Code:</b>		
<b>Spill Location (Ohio):</b>		
<b>City Twn (Ohio):</b>		
<b>Zip Code (Ohio):</b>		
<b>Spill Location (Hist):</b>		
<b>City Twn (Hist):</b>		
<b>Location (Rel):</b>		
<b>City Twn (Rel):</b>		
<b>City Twn (Rel 2):</b>		
<b>Data Source:</b>		

**Historical Release Details**

**Product Name:** DUST  
**Media Affected:**  
**Actual Amount:**  
**Unit of Measure:** UNK  
**Entity:** MERCANTILE CONDOS  
**Reported By:** ANONYMOUS  
**Spill Month:** 3  
**Spill Year:** 2015

<a href="#">6</a>	1 of 5	ESE	0.07 / 393.99	751.60 / -3	70 WB @ 4TH ST EXIT COLUMBUS OH	SPILLS
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<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>
<b>Spill No:</b>		<b>Latitude (Ohio):</b>
<b>4 Digit No:</b> 3129		<b>Longitude (Ohio):</b>
<b>Reported On:</b> 8/13/2003 22:59:08		<b>City Twn (Prod):</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Spill Year:	2003				OEPA Dist (Prod):	
Spill Month:	8				County No (Prod):	
Spill Month No:					County (Prod):	
Spill DOM:					Latitude (Prod):	
Spill DOY:					Longitude (Prod):	
Spiller Report:					OEPA Dist (Hist):	
Phone Followup:	NO				County (Hist):	
District:	CD				Latitude (Hist):	
County:	25				Longitude (Hist):	
Latitude:					OEPA Dist (Rel 2):	
Longitude:					County (Rel 2):	
City Twn (EPA):					Latitude (Rel 2):	
OEPA Dist (EPA):					Longitude (Rel 2):	
County (EPA):					OEPA Dist (Rel):	
Latitude (EPA):					County (Rel):	
Longitude (EPA):					Latitude (Rel):	
OEPA Dist (Ohio):					Longitude (Rel):	
County No (Ohio):						
IIR Name:						
Affiliation:						
Location:		70 WB @ 4TH ST EXIT				
City Twp:		COLUMBUS				
Zip Code:						
Spill Location (Ohio):						
City Twn (Ohio):						
Zip Code (Ohio):						
Spill Location (Hist):						
City Twn (Hist):						
Location (Rel):						
City Twn (Rel):						
City Twn (Rel 2):						
Data Source:						

**Historical Release Details**

**Product Name:** FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** UNK  
**Reported By:** TIM RANSOM  
**Spill Month:** 8  
**Spill Year:** 2003

<a href="#">6</a>	2 of 5	ESE	0.07 / 393.99	751.60 / -3	I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	SPILLS
Case No/Spill ID:					County (Ohio):	
Spill No:					Latitude (Ohio):	
4 Digit No:	4756				Longitude (Ohio):	
Reported On:	11/11/2004 00:00:00				City Twn (Prod):	
Spill Year:	2004				OEPA Dist (Prod):	
Spill Month:	11				County No (Prod):	
Spill Month No:					County (Prod):	
Spill DOM:					Latitude (Prod):	
Spill DOY:					Longitude (Prod):	
Spiller Report:					OEPA Dist (Hist):	
Phone Followup:	YES				County (Hist):	
District:	CD				Latitude (Hist):	
County:	25				Longitude (Hist):	
Latitude:	3957156				OEPA Dist (Rel 2):	
Longitude:	8259146				County (Rel 2):	
City Twn (EPA):					Latitude (Rel 2):	
OEPA Dist (EPA):					Longitude (Rel 2):	
County (EPA):					OEPA Dist (Rel):	

**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** WAL MART TRANSPORTATION  
**Reported By:** MCMURRAY  
**Spill Month:** 11  
**Spill Year:** 2004

<u>6</u>	3 of 5	ESE	0.07 / 393.99	751.60 / -3	1-70 WB JUST PAST 4TH ST EXIT COLUMBUS OH	SPILLS
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**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 2692  
**Reported On:** 6/17/2004 00:00:00  
**Spill Year:** 2004  
**Spill Month:** 6  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** 1-70 WB JUST PAST 4TH ST EXIT  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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City Twn (Rel):  
 City Twn (Rel 2):  
 Data Source:

**Historical Release Details**

Product Name: DIESEL FUEL  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:  
 Entity: WAREHOUSE EXPRESS  
 Reported By: MIKE DREISBAAH  
 Spill Month: 6  
 Spill Year: 2004

<u>6</u>	4 of 5	ESE	0.07 / 393.99	751.60 / -3	70 WB AT 4TH ST COLUMBUS OH	SPILLS
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Case No/Spill ID:		County (Ohio):
Spill No:		Latitude (Ohio):
4 Digit No:	2253	Longitude (Ohio):
Reported On:	6/5/1997 00:00:00	City Twn (Prod):
Spill Year:	1997	OEPA Dist (Prod):
Spill Month:	6	County No (Prod):
Spill Month No:		County (Prod):
Spill DOM:		Latitude (Prod):
Spill DOY:		Longitude (Prod):
Spiller Report:		OEPA Dist (Hist):
Phone Followup:	NO	County (Hist):
District:	CD	Latitude (Hist):
County:	25	Longitude (Hist):
Latitude:		OEPA Dist (Rel 2):
Longitude:		County (Rel 2):
City Twn (EPA):		Latitude (Rel 2):
OEPA Dist (EPA):		Longitude (Rel 2):
County (EPA):		OEPA Dist (Rel):
Latitude (EPA):		County (Rel):
Longitude (EPA):		Latitude (Rel):
OEPA Dist (Ohio):		Longitude (Rel):
County No (Ohio):		
IIR Name:		
Affiliation:		
Location:	70 WB AT 4TH ST	
City Twp:	COLUMBUS	
Zip Code:		
Spill Location (Ohio):		
City Twn (Ohio):		
Zip Code (Ohio):		
Spill Location (Hist):		
City Twn (Hist):		
Location (Rel):		
City Twn (Rel):		
City Twn (Rel 2):		
Data Source:		

**Historical Release Details**

Product Name: ANIMAL PARTS  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:  
 Entity: UNK  
 Reported By: BETH GIANFORCARO  
 Spill Month: 6  
 Spill Year: 1997

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	5 of 5	ESE	0.07 / 393.99	751.60 / -3	I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS COLUMBUS OH	SPILLS

**Case No/Spill ID:** 0411EPA0004756  
**Spill No:**  
**4 Digit No:**  
**Reported On:**  
**Spill Year:**  
**Spill Month:**  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:**  
**District:**  
**County:**  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:**  
**City Twp:**  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):** I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS  
**City Twn (Hist):** COLUMBUS  
**Location (Rel):** I-70 / I-71 WB AT 4TH ST - DOWNTOWN COLUMBUS  
**City Twn (Rel):** COLUMBUS  
**City Twn (Rel 2):** COLUMBUS  
**Data Source:** Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):** CDO  
**County (Hist):** Franklin  
**Latitude (Hist):** 39.95433333  
**Longitude (Hist):** -82.98738889  
**OEPA Dist (Rel 2):** CDO  
**County (Rel 2):** Franklin  
**Latitude (Rel 2):** 39.95433333  
**Longitude (Rel 2):** -82.98738889  
**OEPA Dist (Rel):** CDO  
**County (Rel):** Franklin  
**Latitude (Rel):** 39.95433333  
**Longitude (Rel):** -82.98738889

**Spill Sites Historic Details**

**Spill Year:** 2004  
**Spill Month:** November  
**Spill Mth No:** 11  
**Spill DoM:** 11  
**Spill DoY:** 316  
**Waterway:** SCIOTO RIVER VIA STORM SEWER  
**Reprted Date:** 11/10/2004, 7:00 PM  
**Latitude:** 39.95433333  
**Longitude:** -82.98738889  
**X:** -82.98738469560243  
**Y:** 39.95432558663727

**Historic Spills and Releases 2 Details**

**Spill Month:** 11  
**Spill DOM:** 11  
**Spill Year:** 2004  
**Spill Month No:** 11  
**Spill DOY:** 316  
**Reported Date:** 11/10/2004, 7:00 PM  
**Reported Amount:** 75  
**Reported UOM:**  
**Reported Product:** DIESEL FUEL  
**Waterway:** SCIOTO RIVER VIA STORM SEWER  
**Recov Amount:**  
**Recov Unit:**  
**Recov Product Type:** Fuels (Combustible FP100F)  
**Latitude:** 39.95433333  
**Longitude:** -82.98738889  
**X:** -82.98738469560243  
**Y:** 39.95432558663727

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Historic Spills and Releases Details**

<b>Spill Year:</b>	2004	<b>Ext Haz:</b>	
<b>Spill Month:</b>	11	<b>Disposition:</b>	
<b>Spill Month No:</b>	11	<b>CRS:</b>	4326
<b>Spill DOM:</b>	11	<b>Geometry Type:</b>	esriGeometryPoint
<b>Spill Day of Year:</b>	316	<b>Latitude:</b>	39.95433333
<b>Amount:</b>	75	<b>Longitude:</b>	-82.98738889
<b>Unit:</b>		<b>X:</b>	-82.987393
<b>Reported On:</b>	11/10/2004, 7:00 PM	<b>Y:</b>	39.954341
<b>Product:</b>	DIESEL FUEL		
<b>Spill Size:</b>	SMALL: 500 GAL/400 LBS		
<b>Spill Type:</b>			
<b>Incident Type Code:</b>	05		
<b>Incident Type:</b>	WATERWAY		
<b>Modifying Circumstance Code:</b>			
<b>Modifying Circumstance:</b>			

<u>7</u>	1 of 1	W	0.08 / 416.89	763.56 / 9	FCCG 31 E MOUND ST COLUMBUS OH 43215	UST
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**Facility No:** 25011027  
**Facility No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**  
**State (Web):**  
**Facility No (Web2):**  
**Facility Name (Web2):**  
**Address (Web2):**  
**City (Web2):**  
**Zip (Web2):**  
**Latitude (Web2):**  
**Longitude (Web2):**  
**State (Web2):**  
**County (Web2):**  
**Fac No (Map):**  
**Fac Name (Map):**  
**Address (Map):**  
**City (Map):**  
**State (Map):**  
**Zip (Map):**  
**County (Map):**  
**Latitude (Map):**  
**Longitude (Map):**  
**Address (OTTER):** 31 E MOUND ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	
<b>Tank Status:</b>	No Tanks Available	<b>Own Business Name:</b>	FRANKLIN COUNTY COMMISSIONERS
<b>Facility URL:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#28687		
<b>Release No URL:</b>			

<u>8</u>	1 of 1	S	0.08 / 427.69	730.61 / -24	170 WB NEAR 3RD ST BRIDGE	SPILLS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**COLUMBUS OH**

<b>Case No/Spill ID:</b>	0712EPA0004578	<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>		<b>Longitude (Ohio):</b>	
<b>Reported On:</b>		<b>City Twn (Prod):</b>	
<b>Spill Year:</b>		<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>		<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	CDO
<b>Phone Followup:</b>		<b>County (Hist):</b>	Franklin
<b>District:</b>		<b>Latitude (Hist):</b>	39.95338889
<b>County:</b>		<b>Longitude (Hist):</b>	-82.99563889
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	CDO
<b>Longitude:</b>		<b>County (Rel 2):</b>	Franklin
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	39.95338889
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	-82.99563889
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	CDO
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	Franklin
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	39.95338889
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	-82.99563889
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>			
<b>City Twp:</b>			
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>	170 WB NEAR 3RD ST BRIDGE		
<b>City Twn (Hist):</b>	COLUMBUS		
<b>Location (Rel):</b>	170 WB NEAR 3RD ST BRIDGE		
<b>City Twn (Rel):</b>	COLUMBUS		
<b>City Twn (Rel 2):</b>	COLUMBUS		
<b>Data Source:</b>	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

**Spill Sites Historic Details**

<b>Spill Year:</b>	2007	<b>Reprted Date:</b>	12/12/2007, 10:16 AM
<b>Spill Month:</b>	December	<b>Latitude:</b>	39.95338889
<b>Spill Mth No:</b>	12	<b>Longitude:</b>	-82.99563889
<b>Spill DoM:</b>	12	<b>X:</b>	-82.99563469318603
<b>Spill DoY:</b>	346	<b>Y:</b>	39.953381147196964
<b>Waterway:</b>	N/A		

**Historic Spills and Releases 2 Details**

<b>Spill Month:</b>	12	<b>Recov Amount:</b>	
<b>Spill DOM:</b>	12	<b>Recov Unit:</b>	
<b>Spill Year:</b>	2007	<b>Recov Product Type:</b>	Glycol
<b>Spill Month No:</b>	12	<b>Latitude:</b>	39.95338889
<b>Spill DOY:</b>	346	<b>Longitude:</b>	-82.99563889
<b>Reported Date:</b>	12/12/2007, 10:16 AM	<b>X:</b>	-82.99563469318603
<b>Reported Amount:</b>	10	<b>Y:</b>	39.953381147196964
<b>Reported UOM:</b>			
<b>Reported Product:</b>	ANTIFREEZE		
<b>Waterway:</b>	N/A		

**Historic Spills and Releases 2 Details**

<b>Spill Month:</b>	12	<b>Recov Amount:</b>	
<b>Spill DOM:</b>	12	<b>Recov Unit:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Spill Year:	2007				Recov Product Type:	Fuels (Combustible FP100F)
Spill Month No:	12				Latitude:	39.95338889
Spill DOY:	346				Longitude:	-82.99563889
Reported Date:	12/12/2007, 10:16 AM				X:	-82.99563469318603
Reported Amount:	2				Y:	39.953381147196964
Reported UOM:						
Reported Product:		DIESEL FUEL				
Waterway:		N/A				

**Historic Spills and Releases 2 Details**

Spill Month:	12				Recov Amount:	
Spill DOM:	12				Recov Unit:	
Spill Year:	2007				Recov Product Type:	Unknown or Unassigned
Spill Month No:	12				Latitude:	39.95338889
Spill DOY:	346				Longitude:	-82.99563889
Reported Date:	12/12/2007, 10:16 AM				X:	-82.99563469318603
Reported Amount:	5				Y:	39.953381147196964
Reported UOM:						
Reported Product:		MOTOR OIL				
Waterway:		N/A				

**Historic Spills and Releases Details**

Spill Year:	2007				Ext Haz:	
Spill Month:	12				Disposition:	
Spill Month No:	12				CRS:	4326
Spill DOM:	12				Geometry Type:	esriGeometryPoint
Spill Day of Year:	346				Latitude:	39.95338889
Amount:	5				Longitude:	-82.99563889
Unit:					X:	-82.995643
Reported On:	12/12/2007, 10:16 AM				Y:	39.953397
Product:		MOTOR OIL				
Spill Size:		SMALL: 500 GAL/400 LBS				
Spill Type:						
Incident Type Code:		00				
Incident Type:		NA				
Modifying Circumstance Code:						
Modifying Circumstance:						

**Historic Spills and Releases Details**

Spill Year:	2007				Ext Haz:	
Spill Month:	12				Disposition:	
Spill Month No:	12				CRS:	4326
Spill DOM:	12				Geometry Type:	esriGeometryPoint
Spill Day of Year:	346				Latitude:	39.95338889
Amount:	2				Longitude:	-82.99563889
Unit:					X:	-82.995643
Reported On:	12/12/2007, 10:16 AM				Y:	39.953397
Product:		DIESEL FUEL				
Spill Size:		SMALL: 500 GAL/400 LBS				
Spill Type:						
Incident Type Code:		00				
Incident Type:		NA				
Modifying Circumstance Code:						
Modifying Circumstance:						

**Historic Spills and Releases Details**

Spill Year:	2007				Ext Haz:	
Spill Month:	12				Disposition:	
Spill Month No:	12				CRS:	4326
Spill DOM:	12				Geometry Type:	esriGeometryPoint

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Spill Day of Year:</b>	346				<b>Latitude:</b> 39.95338889	
<b>Amount:</b>	10				<b>Longitude:</b> -82.99563889	
<b>Unit:</b>					<b>X:</b> -82.995643	
<b>Reported On:</b>	12/12/2007, 10:16 AM				<b>Y:</b> 39.953397	
<b>Product:</b>		ANTIFREEZE				
<b>Spill Size:</b>		SMALL: 500 GAL/400 LBS				
<b>Spill Type:</b>						
<b>Incident Type Code:</b>		00				
<b>Incident Type:</b>		NA				
<b>Modifying Circumstance Code:</b>						
<b>Modifying Circumstance:</b>						

[9](#) 1 of2 SE 0.08 / 750.83 / SPILLS  
428.76 -4 70 WB @ 4TH ST  
COLUMBUS OH

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	1725	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	5/16/2001 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	2001	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	5	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	NO	<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>		<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	70 WB @ 4TH ST		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

<b>Product Name:</b>	OIL
<b>Media Affected:</b>	
<b>Actual Amount:</b>	
<b>Unit of Measure:</b>	
<b>Entity:</b>	UNK
<b>Reported By:</b>	FRANK BORGHESE
<b>Spill Month:</b>	5
<b>Spill Year:</b>	2001

[9](#) 2 of2 SE 0.08 / 750.83 / SPILLS  
428.76 -4 I-70 WB @ 4TH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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COLUMBUS OH

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>
<b>Spill No:</b>		<b>Latitude (Ohio):</b>
<b>4 Digit No:</b>	5307	<b>Longitude (Ohio):</b>
<b>Reported On:</b>	12/30/2004 16:50:32	<b>City Twn (Prod):</b>
<b>Spill Year:</b>	2004	<b>OEPA Dist (Prod):</b>
<b>Spill Month:</b>	12	<b>County No (Prod):</b>
<b>Spill Month No:</b>		<b>County (Prod):</b>
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>
<b>Phone Followup:</b>	NO	<b>County (Hist):</b>
<b>District:</b>	CD	<b>Latitude (Hist):</b>
<b>County:</b>	25	<b>Longitude (Hist):</b>
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>
<b>Longitude:</b>		<b>County (Rel 2):</b>
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>
<b>Latitude (EPA):</b>		<b>County (Rel):</b>
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>
<b>County No (Ohio):</b>		
<b>IIR Name:</b>		
<b>Affiliation:</b>		
<b>Location:</b>	I-70 WB @ 4TH	
<b>City Twp:</b>	COLUMBUS	
<b>Zip Code:</b>		
<b>Spill Location (Ohio):</b>		
<b>City Twn (Ohio):</b>		
<b>Zip Code (Ohio):</b>		
<b>Spill Location (Hist):</b>		
<b>City Twn (Hist):</b>		
<b>Location (Rel):</b>		
<b>City Twn (Rel):</b>		
<b>City Twn (Rel 2):</b>		
<b>Data Source:</b>		

Historical Release Details

<b>Product Name:</b>	DIESEL FUEL
<b>Media Affected:</b>	
<b>Actual Amount:</b>	
<b>Unit of Measure:</b>	
<b>Entity:</b>	UNK
<b>Reported By:</b>	VICKI PAUL
<b>Spill Month:</b>	12
<b>Spill Year:</b>	2004

<a href="#">10</a>	1 of 2	E	0.08 / 435.31	753.98 / -1	FORMER PFEIFER PRINTING 190 E FULTON ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25010949-N00001
<b>Release No (Map):</b>	25010949 - N00001
<b>Facility Name (Map):</b>	FORMER PFEIFER PRINTING
<b>Address (Map):</b>	190 E FULTON ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.95421
<b>Longitude (Map):</b>	-82.99382
<b>Release No (Web):</b>	25010949-N00001
<b>Facility Name (Web):</b>	FORMER PFEIFER PRINTING
<b>Address (Web):</b>	190 E FULTON ST
<b>City (Web):</b>	COLUMBUS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>State (Web):</b>		OH				
<b>Zip (Web):</b>		43215				
<b>County (Web):</b>		Franklin				
<b>Latitude (Web):</b>		39.95421				
<b>Longitude (Web):</b>		-82.99382				
<b>Release No (BUSTR):</b>		25010949 - N00001				
<b>Facility Name (BUSTR):</b>		FORMER PFEIFER PRINTING				
<b>Address (BUSTR):</b>		190 E FULTON ST				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43215				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.95421				
<b>Longitude (BUSTR):</b>		-82.99382				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25010949 (FORMER PFEIFER PRINTING)				
<b>Address (OTTER):</b>		190 E FULTON ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	3/5/2008
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	03/05/2008
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	10/31/2007	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	10/31/2007
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	COLUMBUS PUBLIC SCHOOLS
<b>Facility:</b>	25010949 (FORMER PFEIFER PRINTING)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28771">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28771</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14455">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14455</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14592	<b>Lat:</b>	39.95421
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99382
<b>Release No:</b>	25010949 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	190 E Fulton St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5417	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010949 - N00001 FORMER PFEIFER PRINTING		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	FORMER PFEIFER PRINTING
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	190 E FULTON ST
<b>Release Date:</b>	10/31/2007	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/5/2008	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.95421
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.99382
<b>Rules:</b>	2005	<b>Last Review Date:</b>	3/5/2008
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/28/2012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Rating:	14				County: Franklin	
Sequence No:	14554					
Class Desc:	A viable RP has been identified					

<u>10</u>	2 of 2	E	0.08 / 435.31	753.98 / -1	FORMER PFEIFER PRINTING 190 E FULTON ST COLUMBUS OH 43215	UST
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**Facility No:** 25010949  
**Facility No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**  
**State (Web):**  
**Facility No (Web2):** 25010949  
**Facility Name (Web2):** FORMER PFEIFER PRINTING  
**Address (Web2):** 190 E FULTON ST  
**City (Web2):** COLUMBUS  
**Zip (Web2):** 43215  
**Latitude (Web2):** 39.95421  
**Longitude (Web2):** -82.99382  
**State (Web2):** Ohio  
**County (Web2):** Franklin  
**Fac No (Map):** 25010949  
**Fac Name (Map):** FORMER PFEIFER PRINTING  
**Address (Map):** 190 E FULTON ST  
**City (Map):** COLUMBUS  
**State (Map):** Ohio  
**Zip (Map):** 43215  
**County (Map):** Franklin  
**Latitude (Map):** 39.95421  
**Longitude (Map):** -82.99382  
**Address (OTTER):** 190 E FULTON ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer); All Facility Tanks (Map)

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	10/31/2007
<b>Tank Status:</b>	No Tanks Available	<b>Own Business Name:</b>	COLUMBUS PUBLIC SCHOOLS
<b>Facility URL:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28771">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28771</a>		
<b>Release No URL:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14455">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14455</a>		

#### Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	01/01/1900
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	250
<b>UST:</b>	UST	<b>Tank Content:</b>	Unknown
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>	01/01/1900	<b>CAS No:</b>	
<b>Date Removed:</b>	08/06/2007	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	COLUMBUS PUBLIC SCHOOLS		
<b>Owner Address:</b>	270 E STATE ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Owner Zip:</b>		43215				
<b>Construction:</b>		BM - Bare Metal				
<b>Construction Comments:</b>		Bare Steel				
<b>Overfill Prevention:</b>						
<b>Overfill Prev Comments:</b>						
<b>Prmry Release Detection:</b>		AMO - Alternative Method (Other, explain)				
<b>2ndry Release Detection:</b>						
<b>Release Detect Comments:</b>		RDTank: / RDLine:				
<b>Spill Prevention Manholes:</b>		OTH - Other (Explain)				
<b>Spill Prev Manhole Comment:</b>						
<b>Corrosion Protections:</b>						
<b>Corrosion Protect Comments:</b>						
<b>Piping Configuration:</b>						
<b>Piping Config Comment:</b>						
<b>Piping Styles:</b>		NA - Not Applicable				
<b>Piping Construction:</b>		BM - Bare Metal				
<b>Piping Construct Comments:</b>		Bare Steel				
<b>Piping Corrosion Protection:</b>		OTH - Other (explain)				
<b>Piping Corr Protect Comments:</b>						
<b>Piping Release Detection:</b>		OTH - Other(explain)				
<b>Piping Rel Detect Comments:</b>						
<b>Comments:</b>						

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b>	T00001	<b>Address Out:</b>	190 E Fulton St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Unknown	<b>State Out:</b>	OH
<b>UST Capacity:</b>	250	<b>Zip Out:</b>	43215-5417
<b>Label:</b>	25010949 FORMER PFEIFER PRINTING	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95421	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99382		

11	1 of 2	SSW	0.09 / 467.19	731.49 / -23	I-70 EB UNDER 3RD ST COLUMBUS OH	SPILLS
<b>Case No/Spill ID:</b>						
<b>Spill No:</b>						
<b>4 Digit No:</b>	864					
<b>Reported On:</b>	3/13/2002 13:38:35					
<b>Spill Year:</b>	2002					
<b>Spill Month:</b>	3					
<b>Spill Month No:</b>						
<b>Spill DOM:</b>						
<b>Spill DOY:</b>						
<b>Spiller Report:</b>						
<b>Phone Followup:</b>	NO					
<b>District:</b>	CD					
<b>County:</b>	25					
<b>Latitude:</b>						
<b>Longitude:</b>						
<b>City Twn (EPA):</b>						
<b>OEPA Dist (EPA):</b>						
<b>County (EPA):</b>						
<b>Latitude (EPA):</b>						
<b>Longitude (EPA):</b>						
<b>OEPA Dist (Ohio):</b>						
<b>County No (Ohio):</b>						
<b>IIR Name:</b>						
<b>Affiliation:</b>						
<b>Location:</b>	I-70 EB UNDER 3RD ST					
<b>City Twp:</b>	COLUMBUS					
<b>Zip Code:</b>						
<b>Spill Location (Ohio):</b>						
<b>City Twn (Ohio):</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Zip Code (Ohio):  
 Spill Location (Hist):  
 City Twn (Hist):  
 Location (Rel):  
 City Twn (Rel):  
 City Twn (Rel 2):  
 Data Source:

**Historical Release Details**

Product Name: DIESEL FUEL  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:  
 Entity: BOCK TRANSPORTATION  
 Reported By: JIM SCHEIDER  
 Spill Month: 3  
 Spill Year: 2002

<a href="#">11</a>	2 of 2	SSW	0.09 / 467.19	731.49 / -23	170 EB 150 FT W OF 3RD ST COLUMBUS OH	SPILLS
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Case No/Spill ID:		County (Ohio):
Spill No:		Latitude (Ohio):
4 Digit No:	3005	Longitude (Ohio):
Reported On:	7/18/1995 00:00:00	City Twn (Prod):
Spill Year:	1995	OEPA Dist (Prod):
Spill Month:	7	County No (Prod):
Spill Month No:		County (Prod):
Spill DOM:		Latitude (Prod):
Spill DOY:		Longitude (Prod):
Spiller Report:		OEPA Dist (Hist):
Phone Followup:	NO	County (Hist):
District:	CD	Latitude (Hist):
County:	25	Longitude (Hist):
Latitude:	395712	OEPA Dist (Rel 2):
Longitude:	825949	County (Rel 2):
City Twn (EPA):		Latitude (Rel 2):
OEPA Dist (EPA):		Longitude (Rel 2):
County (EPA):		OEPA Dist (Rel):
Latitude (EPA):		County (Rel):
Longitude (EPA):		Latitude (Rel):
OEPA Dist (Ohio):		Longitude (Rel):
County No (Ohio):		
IIR Name:		
Affiliation:		
Location:	170 EB 150 FT W OF 3RD ST	
City Twp:	COLUMBUS	
Zip Code:		
Spill Location (Ohio):		
City Twn (Ohio):		
Zip Code (Ohio):		
Spill Location (Hist):		
City Twn (Hist):		
Location (Rel):		
City Twn (Rel):		
City Twn (Rel 2):		
Data Source:		

**Historical Release Details**

Product Name: DIESEL FUEL  
 Media Affected:  
 Acutal Amount:  
 Unit of Measure:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Entity:		DART TRANSIT CO				
Reported By:		MR THURN				
Spill Month:		7				
Spill Year:		1995				

[12](#) 1 of 1 **NNW** 0.10 / 529.54 756.19 / 1 **113 EAST MAIN ST REAR IF TEH BUILDING COLUMBU OH** **SPILLS**

<b>Case No/Spill ID:</b>	0909EPA0002808	<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>		<b>Longitude (Ohio):</b>	
<b>Reported On:</b>		<b>City Twn (Prod):</b>	
<b>Spill Year:</b>		<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>		<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	CDO
<b>Phone Followup:</b>		<b>County (Hist):</b>	Franklin
<b>District:</b>		<b>Latitude (Hist):</b>	39.95622222
<b>County:</b>		<b>Longitude (Hist):</b>	-82.99619444
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	CDO
<b>Longitude:</b>		<b>County (Rel 2):</b>	Franklin
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	39.95622222
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	-82.99619444
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	CDO
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	Franklin
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	39.95622222
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	-82.99619444
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>			
<b>City Twp:</b>			
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>	113 EAST MAIN ST REAR IF TEH BUILDING		
<b>City Twn (Hist):</b>	COLUMBU		
<b>Location (Rel):</b>	113 EAST MAIN ST REAR IF TEH BUILDING		
<b>City Twn (Rel):</b>	COLUMBU		
<b>City Twn (Rel 2):</b>	COLUMBU		
<b>Data Source:</b>	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

**Spill Sites Historic Details**

<b>Spill Year:</b>	2009	<b>Reprted Date:</b>	9/24/2009, 9:31 AM
<b>Spill Month:</b>	September	<b>Latitude:</b>	39.95622222
<b>Spill Mth No:</b>	9	<b>Longitude:</b>	-82.99619444
<b>Spill DoM:</b>	24	<b>X:</b>	-82.99619024279698
<b>Spill DoY:</b>	267	<b>Y:</b>	39.95621447668871
<b>Waterway:</b>	COMBINED SEWER		

**Historic Spills and Releases 2 Details**

<b>Spill Month:</b>	9	<b>Recov Amount:</b>	
<b>Spill DOM:</b>	24	<b>Recov Unit:</b>	
<b>Spill Year:</b>	2009	<b>Recov Product Type:</b>	Fuels (Combustible FP100F)
<b>Spill Month No:</b>	9	<b>Latitude:</b>	39.95622222
<b>Spill DOY:</b>	267	<b>Longitude:</b>	-82.99619444
<b>Reported Date:</b>	9/24/2009, 9:31 AM	<b>X:</b>	-82.99619024279698
<b>Reported Amount:</b>	5	<b>Y:</b>	39.95621447668871
<b>Reported UOM:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Reported Product: DIESEL FUEL  
 Waterway: COMBINED SEWER

**Historic Spills and Releases Details**

<b>Spill Year:</b>	2009	<b>Ext Haz:</b>	
<b>Spill Month:</b>	9	<b>Disposition:</b>	
<b>Spill Month No:</b>	9	<b>CRS:</b>	4326
<b>Spill DOM:</b>	24	<b>Geometry Type:</b>	esriGeometryPoint
<b>Spill Day of Year:</b>	267	<b>Latitude:</b>	39.95622222
<b>Amount:</b>	5	<b>Longitude:</b>	-82.99619444
<b>Unit:</b>		<b>X:</b>	-82.996199
<b>Reported On:</b>	9/24/2009, 9:31 AM	<b>Y:</b>	39.95623
<b>Product:</b>	DIESEL FUEL		
<b>Spill Size:</b>	SMALL: 500 GAL/400 LBS		
<b>Spill Type:</b>			
<b>Incident Type Code:</b>	05		
<b>Incident Type:</b>	WATERWAY		
<b>Modifying Circumstance Code:</b>			
<b>Modifying Circumstance:</b>			

<a href="#">13</a>	1 of 2	NNW	0.10 / 542.35	757.07 / 2	US 23 AT MAIN ST CROSSING RISING SUN OH	SPILLS
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<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	248	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	1/18/1990 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1990	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	1	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	NO	<b>County (Hist):</b>	
<b>District:</b>	NW	<b>Latitude (Hist):</b>	
<b>County:</b>	87	<b>Longitude (Hist):</b>	
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>		<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	US 23 AT MAIN ST CROSSING		
<b>City Twp:</b>	RISING SUN		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

Product Name: METHYL ALCOHOL  
 Media Affected:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Actual Amount:**  
**Unit of Measure:**  
**Entity:** ROADWAY EXPRESS  
**Reported By:** FD  
**Spill Month:** 1  
**Spill Year:** 1990

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Actual Amount:**  
**Unit of Measure:**  
**Entity:** ROADWAY EXPRESS  
**Reported By:** FD  
**Spill Month:** 1  
**Spill Year:** 1990

<a href="#">13</a>	2 of 2	NNW	0.10 / 542.35	757.07 / 2	3RD ST AND MAIN ST COLUMBUS OH	SPILLS
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<b>Case No/Spill ID:</b>	1704EPA0000893	<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>		<b>Longitude (Ohio):</b>	
<b>Reported On:</b>		<b>City Twn (Prod):</b>	
<b>Spill Year:</b>		<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>		<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	CDO
<b>Phone Followup:</b>		<b>County (Hist):</b>	Franklin
<b>District:</b>		<b>Latitude (Hist):</b>	39.956454
<b>County:</b>		<b>Longitude (Hist):</b>	-82.996821
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	CDO
<b>Longitude:</b>		<b>County (Rel 2):</b>	Franklin
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	39.956454
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	-82.996821
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	CDO
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	Franklin
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	39.956454
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	-82.996821
<b>County No (Ohio):</b>			
<b>ILR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>			
<b>City Twp:</b>			
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>	3RD ST AND MAIN ST		
<b>City Twn (Hist):</b>	COLUMBUS		
<b>Location (Rel):</b>	3RD ST AND MAIN ST		
<b>City Twn (Rel):</b>	COLUMBUS		
<b>City Twn (Rel 2):</b>	COLUMBUS		
<b>Data Source:</b>	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

**Spill Sites Historic Details**

<b>Spill Year:</b>	2017	<b>Reprted Date:</b>	4/29/2017, 5:43 PM
<b>Spill Month:</b>	April	<b>Latitude:</b>	39.956454
<b>Spill Mth No:</b>	4	<b>Longitude:</b>	-82.996821
<b>Spill DoM:</b>	29	<b>X:</b>	-82.99681680258976
<b>Spill DoY:</b>	119	<b>Y:</b>	39.95644625667404
<b>Waterway:</b>	N/A		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Historic Spills and Releases 2 Details**

<b>Spill Month:</b>	4			<b>Recov Amount:</b>	
<b>Spill DOM:</b>	29			<b>Recov Unit:</b>	
<b>Spill Year:</b>	2017			<b>Recov Product Type:</b>	Transformer Oil (Non-PCB)
<b>Spill Month No:</b>	4			<b>Latitude:</b>	39.956454
<b>Spill DOY:</b>	119			<b>Longitude:</b>	-82.996821
<b>Reported Date:</b>	4/29/2017, 5:43 PM			<b>X:</b>	-82.99681680258976
<b>Reported Amount:</b>	300			<b>Y:</b>	39.95644625667404
<b>Reported UOM:</b>					
<b>Reported Product:</b>		NON PCB TRANSFORMER OIL			
<b>Waterway:</b>		N/A			

**Historic Spills and Releases Details**

<b>Spill Year:</b>	2017			<b>Ext Haz:</b>	
<b>Spill Month:</b>	4			<b>Disposition:</b>	
<b>Spill Month No:</b>	4			<b>CRS:</b>	4326
<b>Spill DOM:</b>	29			<b>Geometry Type:</b>	esriGeometryPoint
<b>Spill Day of Year:</b>	119			<b>Latitude:</b>	39.956454
<b>Amount:</b>	300			<b>Longitude:</b>	-82.996821
<b>Unit:</b>				<b>X:</b>	-82.996825
<b>Reported On:</b>	4/29/2017, 5:43 PM			<b>Y:</b>	39.956462
<b>Product:</b>		NON PCB TRANSFORMER OIL			
<b>Spill Size:</b>		SMALL: 500 GAL/400 LBS			
<b>Spill Type:</b>					
<b>Incident Type Code:</b>		00			
<b>Incident Type:</b>		NA			
<b>Modifying Circumstance Code:</b>					
<b>Modifying Circumstance:</b>					

<b>14</b>	1 of 3	WSW	0.10 / 547.33	761.36 / 7	FRANKLIN COUNTY STREET PARKING GARAGE 34 EAST FULTON STREET COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25011116-N00001
<b>Release No (Map):</b>	25011116 - N00001
<b>Facility Name (Map):</b>	FRANKLIN COUNTY STREET PARKING GARAGE
<b>Address (Map):</b>	34 EAST FULTON STREET
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.9538
<b>Longitude (Map):</b>	-82.99789
<b>Release No (Web):</b>	25011116-N00001
<b>Facility Name (Web):</b>	FRANKLIN COUNTY STREET PARKING GARAGE
<b>Address (Web):</b>	34 EAST FULTON STREET
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.9538
<b>Longitude (Web):</b>	-82.99789
<b>Release No (BUSTR):</b>	25011116 - N00001
<b>Facility Name (BUSTR):</b>	FRANKLIN COUNTY STREET PARKING GARAGE
<b>Address (BUSTR):</b>	34 EAST FULTON STREET
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.9538
<b>Longitude (BUSTR):</b>	-82.99789
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25011116 (FRANKLIN COUNTY STREET PARKING GARAGE)
<b>Address (OTTER):</b>	34 EAST FULTON STREET
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	1/6/2017
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	01/06/2017
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	
<b>Release Date:</b>	11/11/2016	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	11/11/2016
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	
<b>Facility:</b>	25011116 (FRANKLIN COUNTY STREET PARKING GARAGE)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32452">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32452</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38911">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38911</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14692	<b>Lat:</b>	39.9538
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99789
<b>Release No:</b>	25011116 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	34 E Fulton St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5655	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25011116 - N00001 FRANKLIN COUNTY STREET PARKING GARAGE		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	FRANKLIN COUNTY STREET PARKING GARAGE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	34 EAST FULTON STREET
<b>Release Date:</b>	11/11/2016	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	1/6/2017	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>		<b>Facility Latitude:</b>	39.9538
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.99789
<b>Rules:</b>	2012	<b>Last Review Date:</b>	1/6/2017
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Tanya Nell
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	12/29/2020
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	15340		
<b>Class Desc:</b>	A viable RP has been identified		

14	2 of 3	WSW	0.10 / 547.33	761.36 / 7	FRANKLIN COUNTY STREET PARKING GARAGE 34 EAST FULTON STREET COLUMBUS OH 43215	UST
<b>Facility No:</b>		25011116				
<b>Facility No (Web):</b>						
<b>Facility Name (Web):</b>						
<b>Address (Web):</b>						
<b>City (Web):</b>						
<b>Zip (Web):</b>						
<b>County (Web):</b>						
<b>Latitude (Web):</b>						
<b>Longitude (Web):</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>State (Web):</b>						
<b>Facility No (Web2):</b>		25011116				
<b>Facility Name (Web2):</b>		FRANKLIN COUNTY STREET PARKING GARAGE				
<b>Address (Web2):</b>		34 EAST FULTON STREET				
<b>City (Web2):</b>		COLUMBUS				
<b>Zip (Web2):</b>		43215				
<b>Latitude (Web2):</b>		39.9538				
<b>Longitude (Web2):</b>		-82.99789				
<b>State (Web2):</b>		Ohio				
<b>County (Web2):</b>		Franklin				
<b>Fac No (Map):</b>		25011116				
<b>Fac Name (Map):</b>		FRANKLIN COUNTY STREET PARKING GARAGE				
<b>Address (Map):</b>		34 EAST FULTON STREET				
<b>City (Map):</b>		COLUMBUS				
<b>State (Map):</b>		Ohio				
<b>Zip (Map):</b>		43215				
<b>County (Map):</b>		Franklin				
<b>Latitude (Map):</b>		39.9538				
<b>Longitude (Map):</b>		-82.99789				
<b>Address (OTTER):</b>		34 EAST FULTON STREET				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)				

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	11/11/2016
<b>Tank Status:</b>	No Tanks Available	<b>Own Business Name:</b>	
<b>Facility URL:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32452">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32452</a>		
<b>Release No URL:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38911">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38911</a>		

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	
<b>Status:</b>	CLO - In Place	<b>UST Capacity:</b>	5500
<b>UST:</b>	UST	<b>Tank Content:</b>	Diesel
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>		<b>CAS No:</b>	
<b>Date Removed:</b>		<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>	11/11/2016	<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>			
<b>Owner Address:</b>			
<b>Owner City:</b>			
<b>Owner State:</b>			
<b>Owner Zip:</b>			
<b>Construction:</b>			
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>			
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>			
<b>Spill Prevention Manholes:</b>			
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>			
<b>Piping Construction:</b>			
<b>Piping Construct Comments:</b>			
<b>Piping Corrosion Protection:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Piping Corr Protect Comments:  
Piping Release Detection:  
Piping Rel Detect Comments:  
Comments: ORPHAN TANK

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b>	T00001	<b>Address Out:</b>	34 E Fulton St
<b>Status:</b>	CLO - In Place	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Diesel	<b>State Out:</b>	OH
<b>UST Capacity:</b>	5500	<b>Zip Out:</b>	43215-5655
<b>Label:</b>	25011116 FRANKLIN COUNTY STREET PARKING GARAGE	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.9538	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99789		

<a href="#">14</a>	3 of 3	WSW	0.10 / 547.33	761.36 / 7	FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE 34 E FULTON ST PUBLIC FACILITES MAINTENACE COLUMBUS OH 43215	RCRA NON GEN
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**EPA Handler ID:** OHR000211193  
**Gen Status Universe:** No Report  
**Contact Name:** SARAH LINDSEY  
**Contact Address:** 565 METRO PLACE S , SUITE 300 , DUBLIN , OH, 43017 , US  
**Contact Phone No and Ext:** 614-686-7335  
**Contact Email:** SARAH@BEARENV.COM  
**Contact Country:** US  
**County Name:** FRANKLIN  
**EPA Region:** 05  
**Land Type:** County  
**Receive Date:** 20200227  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190430

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Handler Name:** FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE  
**Source Type:** Temporary  
**Federal Waste Generator Code:** 1  
**Generator Code Description:** Large Quantity Generator

**Waste Code Details**

**Hazardous Waste Code:** D001  
**Waste Code Description:** IGNITABLE WASTE  
  
**Hazardous Waste Code:** D002  
**Waste Code Description:** CORROSIVE WASTE

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20200227  
**Handler Name:** FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE  
**Source Type:** Annual/Biennial Report update with Notification  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Waste Code Details**

**Hazardous Waste Code:** D001  
**Waste Code Description:** IGNITABLE WASTE  
  
**Hazardous Waste Code:** D002  
**Waste Code Description:** CORROSIVE WASTE  
  
**Hazardous Waste Code:** D014  
**Waste Code Description:** METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)  
  
**Hazardous Waste Code:** D018  
**Waste Code Description:** BENZENE

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner <b>Type:</b> Municipal <b>Name:</b> FRANKLIN COUNTY PUBLIC FACILITIES <b>Date Became Current:</b> 19800601 <b>Date Ended Current:</b> <b>Phone:</b> <b>Source Type:</b> Annual/Biennial Report update with Notification	<b>Street No:</b> <b>Street 1:</b> 373 S HIGH ST <b>Street 2:</b> <b>City:</b> COLUMBUS <b>State:</b> OH <b>Country:</b> US <b>Zip Code:</b> 43215
<b>Owner/Operator Ind:</b> Current Operator <b>Type:</b> County <b>Name:</b> FRANKLIN COUNTY BOARD OF COMMISSIONERS <b>Date Became Current:</b> <b>Date Ended Current:</b> <b>Phone:</b> 614-525-4520 <b>Source Type:</b> Temporary	<b>Street No:</b> <b>Street 1:</b> 373 S HIGH ST 26TH FLOOR, BOC <b>Street 2:</b> <b>City:</b> COLUMBUS <b>State:</b> OH <b>Country:</b> US <b>Zip Code:</b> 43215
<b>Owner/Operator Ind:</b> Current Operator <b>Type:</b> Municipal <b>Name:</b> KIRK TANK <b>Date Became Current:</b> 20200212 <b>Date Ended Current:</b> <b>Phone:</b> <b>Source Type:</b> Annual/Biennial Report update with Notification	<b>Street No:</b> <b>Street 1:</b> 373 S HIGH ST <b>Street 2:</b> 25TH FLOOR <b>City:</b> COLUMBUS <b>State:</b> OH <b>Country:</b> US <b>Zip Code:</b> 43215
<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Type:	County			Street 1:	373 S HIGH ST 26TH FLOOR, BOC	
Name:	FRANKLIN COUNTY BOARD OF COMMISSIONERS			Street 2:		
Date Became Current:				City:	COLUMBUS	
Date Ended Current:				State:	OH	
Phone:	614-525-4520			Country:	US	
Source Type:	Temporary			Zip Code:	43215	

**Historical Handler Details**

Receive Dt: 20190430  
 Generator Code Description: Large Quantity Generator  
 Handler Name: FRANKLIN COUNTY PUBLIC FACILITIES MAINTENANCE

<a href="#">15</a>	1 of 1	N	0.10 / 550.31	755.26 / 1	LAZELLE & E MAIN ST COLUMBUS OH	SPILLS
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Case No/Spill ID:  
 Spill No:  
 4 Digit No: 367  
 Reported On: 2/1/2006 15:54:22  
 Spill Year: 2006  
 Spill Month: 2  
 Spill Month No:  
 Spill DOM:  
 Spill DOY:  
 Spiller Report:  
 Phone Followup: NO  
 District: CD  
 County: 25  
 Latitude:  
 Longitude:  
 City Twn (EPA):  
 OEPA Dist (EPA):  
 County (EPA):  
 Latitude (EPA):  
 Longitude (EPA):  
 OEPA Dist (Ohio):  
 County No (Ohio):  
 IIR Name:  
 Affiliation:  
 Location: LAZELLE & E MAIN ST  
 City Twp: COLUMBUS  
 Zip Code:  
 Spill Location (Ohio):  
 City Twn (Ohio):  
 Zip Code (Ohio):  
 Spill Location (Hist):  
 City Twn (Hist):  
 Location (Rel):  
 City Twn (Rel):  
 City Twn (Rel 2):  
 Data Source:

County (Ohio):  
 Latitude (Ohio):  
 Longitude (Ohio):  
 City Twn (Prod):  
 OEPA Dist (Prod):  
 County No (Prod):  
 County (Prod):  
 Latitude (Prod):  
 Longitude (Prod):  
 OEPA Dist (Hist):  
 County (Hist):  
 Latitude (Hist):  
 Longitude (Hist):  
 OEPA Dist (Rel 2):  
 County (Rel 2):  
 Latitude (Rel 2):  
 Longitude (Rel 2):  
 OEPA Dist (Rel):  
 County (Rel):  
 Latitude (Rel):  
 Longitude (Rel):

**Historical Release Details**

Product Name: SAND BLASTING WASTE  
 Media Affected:  
 Actual Amount:  
 Unit of Measure:  
 Entity: UNK  
 Reported By: ANON  
 Spill Month: 2  
 Spill Year: 2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">16</a>	1 of 1	NNE	0.11 / 571.16	755.03 / 0	4TH ST & MAIN ST COLUMBUS OH	SPILLS

**Case No/Spill ID:**

**Spill No:**

**4 Digit No:**

**Reported On:**

**Spill Year:**

**Spill Month:**

**Spill Month No:**

**Spill DOM:**

**Spill DOY:**

**Spiller Report:**

**Phone Followup:**

**District:**

**County:**

**Latitude:**

**Longitude:**

**City Twn (EPA):**

**OEPA Dist (EPA):**

**County (EPA):**

**Latitude (EPA):**

**Longitude (EPA):**

**OEPA Dist (Ohio):**

**County No (Ohio):**

**IIR Name:**

**Affiliation:**

**Location:**

**City Twp:**

**Zip Code:**

**Spill Location (Ohio):**

**City Twn (Ohio):**

**Zip Code (Ohio):**

**Spill Location (Hist):**

**City Twn (Hist):**

**Location (Rel):**

**City Twn (Rel):**

**City Twn (Rel 2):**

**Data Source:**

1990

7/4/2009 00:00:00

2009

7

NO

CD

25

4TH ST & MAIN ST  
COLUMBUS

**County (Ohio):**

**Latitude (Ohio):**

**Longitude (Ohio):**

**City Twn (Prod):**

**OEPA Dist (Prod):**

**County No (Prod):**

**County (Prod):**

**Latitude (Prod):**

**Longitude (Prod):**

**OEPA Dist (Hist):**

**County (Hist):**

**Latitude (Hist):**

**Longitude (Hist):**

**OEPA Dist (Rel 2):**

**County (Rel 2):**

**Latitude (Rel 2):**

**Longitude (Rel 2):**

**OEPA Dist (Rel):**

**County (Rel):**

**Latitude (Rel):**

**Longitude (Rel):**

**Historical Release Details**

**Product Name:**

**Media Affected:**

**Actual Amount:**

**Unit of Measure:**

**Entity:**

**Reported By:**

**Spill Month:**

**Spill Year:**

PAINT

UNK CONTRACTOR

DAN HENDERSON

7

2009

<a href="#">17</a>	1 of 1	SSW	0.12 / 624.05	751.46 / -3	2 Blk E Livingston Ave COLUMBUS OH 43215	SPILLS
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**Case No/Spill ID:**

**Spill No:**

**4 Digit No:**

**Reported On:**

**Spill Year:**

**Spill Month:**

**Spill Month No:**

**Spill DOM:**

**Spill DOY:**

**Spiller Report:**

1803EPA0000538

**County (Ohio):**

**Latitude (Ohio):**

**Longitude (Ohio):**

**City Twn (Prod):**

**OEPA Dist (Prod):**

**County No (Prod):**

**County (Prod):**

**Latitude (Prod):**

**Longitude (Prod):**

**OEPA Dist (Hist):**

Franklin

39.945789

-82.894515

COLUMBUS

25

Franklin

39.945789

-82.894515

CDO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Phone Followup:</b>				<b>County (Hist):</b>	Franklin	
<b>District:</b>				<b>Latitude (Hist):</b>	39.95262756	
<b>County:</b>				<b>Longitude (Hist):</b>	-82.99833434	
<b>Latitude:</b>				<b>OEPA Dist (Rel 2):</b>	CDO	
<b>Longitude:</b>				<b>County (Rel 2):</b>	Franklin	
<b>City Twn (EPA):</b>	COLUMBUS			<b>Latitude (Rel 2):</b>	39.95262756	
<b>OEPA Dist (EPA):</b>				<b>Longitude (Rel 2):</b>	-82.99833434	
<b>County (EPA):</b>	Franklin			<b>OEPA Dist (Rel):</b>	CDO	
<b>Latitude (EPA):</b>	39.945789			<b>County (Rel):</b>	Franklin	
<b>Longitude (EPA):</b>	-82.894515			<b>Latitude (Rel):</b>	39.95262756	
<b>OEPA Dist (Ohio):</b>				<b>Longitude (Rel):</b>	-82.99833434	
<b>County No (Ohio):</b>	25					
<b>ILR Name:</b>						
<b>Affiliation:</b>						
<b>Location:</b>						
<b>City Twp:</b>						
<b>Zip Code:</b>						
<b>Spill Location (Ohio):</b>		2 Blk E Livingston Ave				
<b>City Twn (Ohio):</b>		COLUMBUS				
<b>Zip Code (Ohio):</b>		43215				
<b>Spill Location (Hist):</b>		2 BLK E LIVINGSTON AVE				
<b>City Twn (Hist):</b>		COLUMBUS				
<b>Location (Rel):</b>		2 BLK E LIVINGSTON AVE				
<b>City Twn (Rel):</b>		COLUMBUS				
<b>City Twn (Rel 2):</b>		COLUMBUS				
<b>Data Source:</b>		Spills and Releases Reported to Ohio EPA; Spill Sites In Ohio; Spill Sites and Products; Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases				

**DERIE Spill Details**

**Reported Date:** 2018/03/26 11:16:00+00  
**Reported Product:** FERTILIZER(S) NOS (NOT SPECIFIED)  
**Reported Amount:** 300  
**Reported UOM:** GAL  
**Spill Year:** 2018  
**Spill Month:** March  
**Spill Day of Month:** 26  
**Latitude:** 39.945789  
**Longitude:** -82.894515

**DERIE Spill Details**

**Reported Date:** 2018/03/26 11:16:00+00  
**Reported Product:** HERBICIDE(S) NOS (NOT SPECIFIED)  
**Reported Amount:**  
**Reported UOM:**  
**Spill Year:** 2018  
**Spill Month:** March  
**Spill Day of Month:** 26  
**Latitude:** 39.945789  
**Longitude:** -82.894515

**Spill Sites Details**

<b>Reported Date:</b>	3/26/2018, 7:16 AM	<b>Located XY:</b>	Yes
<b>Spill Mth No:</b>	3	<b>Latitude:</b>	39.945789
<b>Spill Month:</b>	March	<b>Longitude:</b>	-82.894515
<b>Spill Year:</b>	2018	<b>X:</b>	-82.8945108343119
<b>Spill DOM:</b>	26	<b>Y:</b>	39.94578125395795
<b>Spill DOY:</b>	85		

**Spill Sites and Products Details**

**Spill Month No:** 3      **Recov Product Type:** Chemicals - Fertilizers

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Spill Month:</b>	March				<b>Recov Amount:</b>	
<b>Spill DOM:</b>	26				<b>Recov Unit:</b>	
<b>Spill Year:</b>	2018				<b>Located XY:</b>	Yes
<b>Spill DOY:</b>	85				<b>Latitude:</b>	39.945789
<b>Reported Date:</b>	3/26/2018, 7:16 AM				<b>Longitude:</b>	-82.894515
<b>Reported Amount:</b>	300				<b>X:</b>	-82.8945108343119
<b>Reported UOM:</b>	GAL				<b>Y:</b>	39.94578125395795
<b>Reported Product:</b>	FERTILIZER(S) NOS (NOT SPECIFIED)					
<b>Waterway:</b>						

**Spill Sites and Products Details**

<b>Spill Month No:</b>	3				<b>Recov Product Type:</b>	Chemicals - Pesticides
<b>Spill Month:</b>	March				<b>Recov Amount:</b>	
<b>Spill DOM:</b>	26				<b>Recov Unit:</b>	
<b>Spill Year:</b>	2018				<b>Located XY:</b>	Yes
<b>Spill DOY:</b>	85				<b>Latitude:</b>	39.945789
<b>Reported Date:</b>	3/26/2018, 7:16 AM				<b>Longitude:</b>	-82.894515
<b>Reported Amount:</b>					<b>X:</b>	-82.8945108343119
<b>Reported UOM:</b>					<b>Y:</b>	39.94578125395795
<b>Reported Product:</b>	HERBICIDE(S) NOS (NOT SPECIFIED)					
<b>Waterway:</b>						

**Spill Sites Historic Details**

<b>Spill Year:</b>	2018				<b>Reprted Date:</b>	3/26/2018, 7:19 AM
<b>Spill Month:</b>	March				<b>Latitude:</b>	39.95262756
<b>Spill Mth No:</b>	3				<b>Longitude:</b>	-82.99833434
<b>Spill DoM:</b>	26				<b>X:</b>	-82.99833014243193
<b>Spill DoY:</b>	85				<b>Y:</b>	39.95261981746518
<b>Waterway:</b>						

**Historic Spills and Releases 2 Details**

<b>Spill Month:</b>	March				<b>Recov Amount:</b>	
<b>Spill DOM:</b>	26				<b>Recov Unit:</b>	
<b>Spill Year:</b>	2018				<b>Recov Product Type:</b>	Chemicals - Fertilizers
<b>Spill Month No:</b>	3				<b>Latitude:</b>	39.95262756
<b>Spill DOY:</b>	85				<b>Longitude:</b>	-82.99833434
<b>Reported Date:</b>	3/26/2018, 7:19 AM				<b>X:</b>	-82.99833014243193
<b>Reported Amount:</b>	300				<b>Y:</b>	39.95261981746518
<b>Reported UOM:</b>	GAL					
<b>Reported Product:</b>	FERTILIZER(S) NOS (NOT SPECIFIED)					
<b>Waterway:</b>						

**Historic Spills and Releases Details**

<b>Spill Year:</b>	2018				<b>Ext Haz:</b>	
<b>Spill Month:</b>	March				<b>Disposition:</b>	RESOLVED
<b>Spill Month No:</b>	3				<b>CRS:</b>	4326
<b>Spill DOM:</b>	26				<b>Geometry Type:</b>	esriGeometryPoint
<b>Spill Day of Year:</b>	85				<b>Latitude:</b>	39.95262756
<b>Amount:</b>	300				<b>Longitude:</b>	-82.99833434
<b>Unit:</b>	GAL				<b>X:</b>	-82.998334
<b>Reported On:</b>	3/26/2018, 7:19 AM				<b>Y:</b>	39.952628
<b>Product:</b>	FERTILIZER(S) NOS (NOT SPECIFIED)					
<b>Spill Size:</b>	SMALL: 500 GAL/4000 LBS					
<b>Spill Type:</b>	OTHER, DESCRIPTION REQUIRED					
<b>Incident Type Code:</b>	04					
<b>Incident Type:</b>	TRANSCOM					
<b>Modifying Circumstance Code:</b>	OTHER					
<b>Modifying Circumstance:</b>	NOT OTHERWISE DESCRIBED, SEE COMMENTS					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">18</a>	1 of 2	SSW	0.12 / 648.99	749.51 / -5	KATZINGERS DELI 475 S 3RD COLUMBUS OH 43215	LUST

**Release No:** 25010341-N00001  
**Release No (Map):** 25010341 - N00001  
**Facility Name (Map):** KATZINGERS DELI  
**Address (Map):** 475 S 3RD  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.952515  
**Longitude (Map):** -82.996246  
**Release No (Web):** 25010341-N00001  
**Facility Name (Web):** KATZINGERS DELI  
**Address (Web):** 475 S 3RD  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.95262  
**Longitude (Web):** -82.996254  
**Release No (BUSTR):** 25010341 - N00001  
**Facility Name (BUSTR):** KATZINGERS DELI  
**Address (BUSTR):** 475 S 3RD  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.95262  
**Longitude (BUSTR):** -82.996254  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010341 (KATZINGERS DELI)  
**Address (OTTER):** 475 S 3RD  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	6/6/2002
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	06/06/2002
<b>FR Status:</b>	DIS: a release is disproved	<b>Priority:</b>	2
<b>Release Date:</b>	09/23/1993	<b>Class:</b>	A
<b>Class Description:</b>	A Responsible Party (RP) for the release has not yet been determined		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>	253192800.0	<b>Date Reported:</b>	9/23/1993
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	KATZINGERS DELI
<b>Facility:</b>	25010341 (KATZINGERS DELI)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14487">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14487</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18803">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18803</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	14092	<b>Lat:</b>	39.952515
<b>FR Status:</b>	DIS: a release is disproved	<b>Long:</b>	-82.996246
<b>Release No:</b>	25010341 - N00001	<b>Match:</b>	S81
<b>Address Out:</b>	475 S 3rd St	<b>LOC QUAL:</b>	AS0
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5701	<b>Date Processed:</b>	1/1/1970, 12:36 AM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Label: 25010341 - N00001 KATZINGERS DELI

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	253192800.0	<b>Facility Name:</b>	KATZINGERS DELI
<b>Status:</b>	DIS: a release is disproved	<b>Facility Address:</b>	475 S 3RD
<b>Release Date:</b>	9/23/1993	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	6/6/2002	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.95262
<b>Class:</b>	A	<b>Facility Longitude:</b>	-82.996254
<b>Rules:</b>	1992	<b>Last Review Date:</b>	6/6/2002
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	1/19/2022
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	20033		
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined		

<a href="#">18</a>	2 of2	SSW	0.12 / 648.99	749.51 / -5	KATZINGERS DELI 475 S 3RD COLUMBUS OH 43215	DTNK
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**Delisted Underground Storage Tanks**

<b>Fac No (OTTER):</b>		<b>Fac ID (BUSTR2):</b>	
<b>City (OTTER):</b>		<b>City (BUSTR2):</b>	
<b>ZIP(OTTER):</b>		<b>ZIP(BUSTR2):</b>	
<b>County (OTTER):</b>		<b>County (BUSTR2):</b>	
<b>State (OTTER):</b>		<b>Latitude (BUSTR2):</b>	
<b>Latitude (OTTER):</b>		<b>Longitude (BUSTR2):</b>	
<b>Longitude (OTTER):</b>		<b>Facility No (Map):</b>	25010341
<b>Facility No (BUSTR):</b>		<b>City (Map):</b>	COLUMBUS
<b>City (BUSTR):</b>		<b>ZIP(Map):</b>	43215
<b>ZIP (BUSTR):</b>		<b>County (Map):</b>	Franklin
<b>County (BUSTR):</b>		<b>State (Map):</b>	
<b>State (BUSTR):</b>		<b>Latitude (Map):</b>	
<b>Latitude (BUSTR):</b>		<b>Longitude (Map):</b>	
<b>Longitude (BUSTR):</b>			
<b>Facility (OTTER):</b>			
<b>Fac Name (OTTER):</b>			
<b>Address (OTTER):</b>			
<b>Facility Nme(BUSTR):</b>			
<b>Address (BUSTR):</b>			
<b>Fac Name (BUSTR2):</b>			
<b>Address (BUSTR2):</b>			
<b>Fac Name (Map):</b>	KATZINGERS DELI		
<b>Address (Map):</b>	475 S 3RD		
<b>Original Source:</b>	UST		
<b>Record Date:</b>	04-JUL-2019		

<a href="#">19</a>	1 of3	WSW	0.12 / 652.00	766.14 / 11	410 S HIGH ST COLUMBUS OH	SPILLS
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<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	501	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	2/8/1999 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1999	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	2	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone Followup:	YES				County (Hist):	
District:	CD				Latitude (Hist):	
County:	25				Longitude (Hist):	
Latitude:	395714				OEPA Dist (Rel 2):	
Longitude:	825956				County (Rel 2):	
City Twn (EPA):					Latitude (Rel 2):	
OEPA Dist (EPA):					Longitude (Rel 2):	
County (EPA):					OEPA Dist (Rel):	
Latitude (EPA):					County (Rel):	
Longitude (EPA):					Latitude (Rel):	
OEPA Dist (Ohio):					Longitude (Rel):	
County No (Ohio):						
ILR Name:						
Affiliation:						
Location:		410 S HIGH ST				
City Twp:		COLUMBUS				
Zip Code:						
Spill Location (Ohio):						
City Twn (Ohio):						
Zip Code (Ohio):						
Spill Location (Hist):						
City Twn (Hist):						
Location (Rel):						
City Twn (Rel):						
City Twn (Rel 2):						
Data Source:						

**Historical Release Details**

Product Name:	ETHYLENE GLYCOL SOLUTION
Media Affected:	
Acutal Amount:	
Unit of Measure:	
Entity:	FRANKLIN CO PUBLIC FACILITIES MANAGEMENT
Reported By:	RICK KLEMA
Spill Month:	2
Spill Year:	1999

<a href="#">19</a>	2 of 3	WSW	0.12 / 652.00	766.14 / 11	FRANKLIN COUNTY ANNEX 410 S HIGH STREET COLUMBUS OH 43215	RCRA NON GEN
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EPA Handler ID:	OHR000105668
Gen Status Universe:	No Report
Contact Name:	
Contact Address:	
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	
County Name:	FRANKLIN
EPA Region:	05
Land Type:	County
Receive Date:	20210506
Location Latitude:	39.953718
Location Longitude:	-82.998684

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Importer Activity:	No
Mixed Waste Generator:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20011018  
 Handler Name: FRANKLIN COUNTY ANNEX  
 Source Type: Notification  
 Federal Waste Generator Code: 2  
 Generator Code Description: Small Quantity Generator

**Waste Code Details**

Hazardous Waste Code: D008  
 Waste Code Description: LEAD

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20210506  
 Handler Name: FRANKLIN COUNTY ANNEX  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	County	Street 1:	410 S HIGH STREET
Name:	FRANKLIN COUNTY ANNEX	Street 2:	
Date Became Current:		City:	COLUMBUS
Date Ended Current:		State:	OH
Phone:	412-487-1400	Country:	
Source Type:	Notification	Zip Code:	43215

**Historical Handler Details**

Receive Dt: 20011018  
 Generator Code Description: Small Quantity Generator  
 Handler Name: FRANKLIN COUNTY ANNEX

<a href="#">19</a>	3 of 3	WSW	0.12 / 652.00	766.14 / 11	Fulton Street Parking Garage 410 S High St Columbus OH 43215	ALT FUELS
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ID:	204871	CNG Dispenser No:	
Fuel Type Code:	ELEC: Electric	CNG Site Renew Src:	
Station Phone:		CNG Tot Compr Cap:	
Expected Date:		CNG Storage Cap:	
BD Blends:		CNG Fill Type Code:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>NG PSI:</b>				<b>CNG PSI:</b>		
<b>Federal Agency ID:</b>					<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2021-01-12				<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>					<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>					<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>	PARKING_GARAGE				<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2022-02-10				<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2022-02-10 19:42:29 UTC				<b>Latitude:</b>	39.9537135501848
<b>Access Code:</b>	public				<b>Longitude:</b>	-82.997908879031
<b>Access Detail Code:</b>	CREDIT_CARD_ALWAYS					
<b>Groups with Access Code:</b>	Public - Credit card at all times					
<b>Groups with Access Code Fr:</b>	Public - Carte de crédit en tout temps					
<b>Fed Agency Name:</b>						
<b>Hydrogen Status Link:</b>						
<b>E85 Other Ethanol Blends:</b>						
<b>NPS Unit Name:</b>						
<b>Cards Accepted:</b>	A D Debit M V					
<b>CNG Statn Sells Renewable Na:</b>						
<b>LNG Statn Sells Renewable Na:</b>						
<b>Maximum Vehicle Class:</b>	LD					
<b>RD Blended With Biodiesel:</b>						
<b>RD Blends:</b>						
<b>RD Blends French:</b>						
<b>RD Maximum Biodiesel Level:</b>						
<b>Status:</b>	Open: The station is open.					
<b>Owner Type Desc:</b>	Privately owned					
<b>E85 Blender Pump Desc:</b>						
<b>NG Fill Type Desc:</b>						
<b>NG Vehicle Class Desc:</b>						
<b>Geocode Status Desc:</b>	The location is from a real GPS readout at the station.					
<b>Group with Access Desc:</b>	Publicly available, but only accepts credit cards as payment. The station may also accept fleet cards or station-specific fueling cards. See "Cards Accepted" field for more details.					
<b>LPG Primary Desc:</b>						
<b>Intersection Directions:</b>						
<b>Access Days Time:</b>	24 hours daily					
<b>Restricted Access:</b>	false					
<b>Ev Workplace Charging:</b>	false					

<a href="#">20</a>	1 of 3	S	0.14 / 747.91	749.73 / -5	BP OIL CO 480 S THIRD ST COLUMBUS OH 43215	RCRA NON GEN
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**EPA Handler ID:** OHD987013133  
**Gen Status Universe:** No Report  
**Contact Name:** JAMES ROCCO  
**Contact Address:** 4440 WARRENSVILLE CENTER RD , , WARRENSVILLE HTS , OH, 44128-2837 , US  
**Contact Phone No and Ext:** 216-586-6706  
**Contact Email:**  
**Contact Country:** US  
**County Name:** FRANKLIN  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 19980727  
**Location Latitude:**  
**Location Longitude:**

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Transporter Activity:		No				
Transfer Facility:		No				
Onsite Burner Exemption:		No				
Furnace Exemption:		No				
Underground Injection Activity:		No				
Commercial TSD:		No				
Used Oil Transporter:		No				
Used Oil Transfer Facility:		No				
Used Oil Processor:		No				
Used Oil Refiner:		No				
Used Oil Burner:		No				
Used Oil Market Burner:		No				
Used Oil Spec Marketer:		No				

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 19980727  
 Handler Name: BP OIL CO  
 Source Type: Notification  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Waste Code Details**

Hazardous Waste Code: D001  
 Waste Code Description: IGNITABLE WASTE

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	480 S THIRD ST
Name:	BP OIL COMPANY	Street 2:	
Date Became Current:		City:	COLUMBUS
Date Ended Current:		State:	OH
Phone:	614-224-7700	Country:	
Source Type:	Notification	Zip Code:	43215

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<a href="#">20</a>	2 of 3	S	0.14 / 747.91	749.73 / -5	BP OIL CO. #07937 480 S 3RD ST COLUMBUS OH 43215	LUST
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Release No: 25001467-N00001  
 Release No (Map): 25001467 - N00001  
 Facility Name (Map): BP OIL CO. #07937  
 Address (Map): 480 S 3RD ST  
 City (Map): COLUMBUS  
 Zip (Map): 43215  
 Latitude (Map): 39.95259  
 Longitude (Map): -82.9957  
 Release No (Web): 25001467-N00001  
 Facility Name (Web): BP OIL CO. #07937  
 Address (Web): 480 S 3RD ST  
 City (Web): COLUMBUS  
 State (Web): OH  
 Zip (Web): 43215  
 County (Web): Franklin  
 Latitude (Web): 39.952573  
 Longitude (Web): -82.995889  
 Release No (BUSTR): 25001467 - N00001  
 Facility Name (BUSTR): BP OIL CO. #07937  
 Address (BUSTR): 480 S 3RD ST  
 City (BUSTR): COLUMBUS  
 State (BUSTR): Ohio  
 Zip (BUSTR): 43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.952573				
<b>Longitude (BUSTR):</b>		-82.995889				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25001467 (BP OIL CO. #07937)				
<b>Address (OTTER):</b>		480 S 3RD ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>		43215				
<b>Zip (OTTER):</b>		Franklin				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	11/22/2004
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	11/19/2004
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	12/20/1993	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	253255600.0	<b>Date Reported:</b>	12/20/1993
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	KANTAM ENTERPRISES LLC
<b>Facility:</b>	25001467 (BP OIL CO. #07937)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8456">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8456</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19936">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19936</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12724	<b>Lat:</b>	39.95259
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.9957
<b>Release No:</b>	25001467 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	480 S 3rd St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5702	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25001467 - N00001 BP OIL CO. #07937		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	253255600.0	<b>Facility Name:</b>	BP OIL CO. #07937
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	480 S 3RD ST
<b>Release Date:</b>	12/20/1993	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	11/22/2004	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.952573
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.995889
<b>Rules:</b>	1999	<b>Last Review Date:</b>	11/19/2004
<b>Coordinator:</b>	Ray Ladrack	<b>Last Update:</b>	
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	4/28/2012
<b>Rating:</b>	7	<b>County:</b>	Franklin
<b>Sequence No:</b>	4686		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">20</a>	3 of 3	S	0.14 / 747.91	749.73 / -5	BP OIL CO. #07937 480 S 3RD ST COLUMBUS OH 43215	UST
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**Facility No:** 25001467  
**Facility No (Web):**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**  
**State (Web):**  
**Facility No (Web2):** 25001467  
**Facility Name (Web2):** BP OIL CO. #07937  
**Address (Web2):** 480 S 3RD ST  
**City (Web2):** COLUMBUS  
**Zip (Web2):** 43215  
**Latitude (Web2):** 39.952573  
**Longitude (Web2):** -82.995889  
**State (Web2):** Ohio  
**County (Web2):** Franklin  
**Fac No (Map):** 25001467  
**Fac Name (Map):** BP OIL CO. #07937  
**Address (Map):** 480 S 3RD ST  
**City (Map):** COLUMBUS  
**State (Map):** Ohio  
**Zip (Map):** 43215  
**County (Map):** Franklin  
**Latitude (Map):** 39.95259  
**Longitude (Map):** -82.9957  
**Address (OTTER):** 480 S 3RD ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** 253255600.0  
**Tank Status:** No Tanks Available  
**Facility URL:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8456>  
**Release No URL:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19936>  
**Date Reported:** 12/20/1993  
**Own Business Name:** KANTAM ENTERPRISES LLC

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

**Tank No:** T00003  
**Status:** REM - Removed  
**UST:** UST  
**Regulated:** YES  
**Facility Type:** Gas Station  
**Installation Date:** 01/01/1982  
**Date Removed:** 12/08/1993  
**Date TCL Closed:**  
**Owner Name:** KANTAM ENTERPRISES LLC  
**Owner Address:** 6135 MONTGOMERY ROAD  
**Owner City:** CINCINNATI  
**Owner State:** OH  
**Owner Zip:** 45213  
**Construction:** FRP-Fiberglass Reinforced Plastic  
**Construction Comments:** Fiberglass Reinforced Plastic  
**Overfill Prevention:**  
**Overfill Prev Comments:** OverFill Spill: No  
**Prmry Release Detection:** AMO - Alternative Method (Other, explain)  
**2ndry Release Detection:**  
**Release Detect Comments:** RDTank: / RDLine:  
**Spill Prevention Manholes:** NP - None Present  
**Spill Prev Manhole Comment:** No  
**Corrosion Protections:**

**Date Last Used:** 12/01/1992  
**UST Capacity:** 10000  
**Tank Content:** Gasoline  
**Abandon Approve:**  
**UST Configurations:**  
**CAS No:** 8006-61-9  
**Sensitive Area:** NO  
**Dt of Sensitivity:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Corrosion Protect Comments:**

**Piping Configuration:**

**Piping Config Comment:**

**Piping Styles:**

P - Pressure

**Piping Construction:**

FRP - Fiberglass Reinforced Plastic

**Piping Construct Comments:**

Fiberglass Reinforced Plastic

**Piping Corrosion Protection:**

OTH - Other (explain)

**Piping Corr Protect Comments:**

**Piping Release Detection:**

OTH - Other(explain)

**Piping Rel Detect Comments:**

**Comments:**

**Tank No:**

T00001

**Status:**

REM - Removed

**UST:**

UST

**Regulated:**

YES

**Facility Type:**

Gas Station

**Installation Date:**

01/01/1989

**Date Removed:**

12/08/1993

**Date TCL Closed:**

**Owner Name:**

KANTAM ENTERPRISES LLC

**Owner Address:**

6135 MONTGOMERY ROAD

**Owner City:**

CINCINNATI

**Owner State:**

OH

**Owner Zip:**

45213

**Construction:**

FRP-Fiberglass Reinforced Plastic

**Construction Comments:**

Fiberglass Reinforced Plastic

**Overfill Prevention:**

**Overfill Prev Comments:**

OverFill Spill: No

**Prmry Release Detection:**

AMO - Alternative Method (Other, explain)

**2ndry Release Detection:**

**Release Detect Comments:**

RDTank: / RDLine:

**Spill Prevention Manholes:**

NP - None Present

**Spill Prev Manhole Comment:**

No

**Corrosion Protections:**

**Corrosion Protect Comments:**

**Piping Configuration:**

**Piping Config Comment:**

**Piping Styles:**

NA - Not Applicable

**Piping Construction:**

FRP - Fiberglass Reinforced Plastic

**Piping Construct Comments:**

Fiberglass Reinforced Plastic

**Piping Corrosion Protection:**

OTH - Other (explain)

**Piping Corr Protect Comments:**

**Piping Release Detection:**

OTH - Other(explain)

**Piping Rel Detect Comments:**

**Comments:**

**Tank No:**

T00002

**Status:**

REM - Removed

**UST:**

UST

**Regulated:**

YES

**Facility Type:**

Gas Station

**Installation Date:**

01/01/1982

**Date Removed:**

12/08/1993

**Date TCL Closed:**

**Owner Name:**

KANTAM ENTERPRISES LLC

**Owner Address:**

6135 MONTGOMERY ROAD

**Owner City:**

CINCINNATI

**Owner State:**

OH

**Owner Zip:**

45213

**Construction:**

FRP-Fiberglass Reinforced Plastic

**Construction Comments:**

Fiberglass Reinforced Plastic

**Overfill Prevention:**

**Overfill Prev Comments:**

OverFill Spill: No

**Prmry Release Detection:**

AMO - Alternative Method (Other, explain)

**2ndry Release Detection:**

**Release Detect Comments:**

RDTank: / RDLine:

**Spill Prevention Manholes:**

NP - None Present

**Spill Prev Manhole Comment:**

No

**Date Last Used:**

12/01/1992

**UST Capacity:**

550

**Tank Content:**

Used Oil

**Abandon Approve:**

**UST Configurations:**

**CAS No:**

**Sensitive Area:**

NO

**Dt of Sensitivity:**

**Date Last Used:**

12/01/1992

**UST Capacity:**

10000

**Tank Content:**

Gasoline

**Abandon Approve:**

**UST Configurations:**

**CAS No:**

8006-61-9

**Sensitive Area:**

NO

**Dt of Sensitivity:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Corrosion Protections:**

**Corrosion Protect Comments:**

**Piping Configuration:**

**Piping Config Comment:**

**Piping Styles:**

P - Pressure

**Piping Construction:**

FRP - Fiberglass Reinforced Plastic

**Piping Construct Comments:**

Fiberglass Reinforced Plastic

**Piping Corrosion Protection:**

OTH - Other (explain)

**Piping Corr Protect Comments:**

**Piping Release Detection:**

OTH - Other(explain)

**Piping Rel Detect Comments:**

**Comments:**

**Tank No:**

T00004

**Status:**

REM - Removed

**UST:**

UST

**Regulated:**

YES

**Facility Type:**

Gas Station

**Installation Date:**

01/01/1982

**Date Removed:**

12/08/1993

**Date TCL Closed:**

**Owner Name:**

KANTAM ENTERPRISES LLC

**Owner Address:**

6135 MONTGOMERY ROAD

**Owner City:**

CINCINNATI

**Owner State:**

OH

**Owner Zip:**

45213

**Construction:**

FRP-Fiberglass Reinforced Plastic

**Construction Comments:**

Fiberglass Reinforced Plastic

**Overfill Prevention:**

**Overfill Prev Comments:**

OverFill Spill: No

**Prmry Release Detection:**

AMO - Alternative Method (Other, explain)

**2ndry Release Detection:**

**Release Detect Comments:**

RDTank: / RDLine:

**Spill Prevention Manholes:**

NP - None Present

**Spill Prev Manhole Comment:**

No

**Corrosion Protections:**

**Corrosion Protect Comments:**

**Piping Configuration:**

**Piping Config Comment:**

**Piping Styles:**

P - Pressure

**Piping Construction:**

FRP - Fiberglass Reinforced Plastic

**Piping Construct Comments:**

Fiberglass Reinforced Plastic

**Piping Corrosion Protection:**

OTH - Other (explain)

**Piping Corr Protect Comments:**

**Piping Release Detection:**

OTH - Other(explain)

**Piping Rel Detect Comments:**

**Comments:**

**Date Last Used:**

12/01/1992

**UST Capacity:**

10000

**Tank Content:**

Gasoline

**Abandon Approve:**

**UST Configurations:**

**CAS No:**

8006-61-9

**Sensitive Area:**

NO

**Dt of Sensitivity:**

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

**Tank No:**

T00004

**Status:**

REM - Removed

**Tank Content:**

Gasoline

**UST Capacity:**

10000

**Label:**

25001467 BP OIL CO. #07937

**State:**

Ohio

**Lat:**

39.95259

**Lon:**

-82.9957

**Address Out:**

480 S 3rd St

**City Out:**

Columbus

**State Out:**

OH

**Zip Out:**

43215-5702

**Match:**

S80

**LOC QUAL:**

MAF3

**LOC CONF:**

1

**Tank No:**

T00002

**Status:**

REM - Removed

**Tank Content:**

Gasoline

**UST Capacity:**

10000

**Label:**

25001467 BP OIL CO. #07937

**State:**

Ohio

**Lat:**

39.95259

**Lon:**

-82.9957

**Address Out:**

480 S 3rd St

**City Out:**

Columbus

**State Out:**

OH

**Zip Out:**

43215-5702

**Match:**

S80

**LOC QUAL:**

MAF3

**LOC CONF:**

1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Tank No:</b>	T00001				<b>Address Out:</b>	480 S 3rd St
<b>Status:</b>	REM - Removed				<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Used Oil				<b>State Out:</b>	OH
<b>UST Capacity:</b>	550				<b>Zip Out:</b>	43215-5702
<b>Label:</b>	25001467 BP OIL CO. #07937				<b>Match:</b>	S80
<b>State:</b>	Ohio				<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95259				<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.9957					

<b>Tank No:</b>	T00003				<b>Address Out:</b>	480 S 3rd St
<b>Status:</b>	REM - Removed				<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Gasoline				<b>State Out:</b>	OH
<b>UST Capacity:</b>	10000				<b>Zip Out:</b>	43215-5702
<b>Label:</b>	25001467 BP OIL CO. #07937				<b>Match:</b>	S80
<b>State:</b>	Ohio				<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95259				<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.9957					

<a href="#">21</a>	1 of 1	WNW	0.15 / 772.83	766.36 / 12	WESTIN HOTEL 310 S HIGH ST COLUMBUS OH 43215	RCRA NON GEN
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**EPA Handler ID:** OHR000011643  
**Gen Status Universe:** No Report  
**Contact Name:** GARY MAYER  
**Contact Address:** 701 N POINT PKWY , , WEST PALM BEACH , FL, 33407 , US  
**Contact Phone No and Ext:** 407-681-8240  
**Contact Email:**  
**Contact Country:** US  
**County Name:** FRANKLIN  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 19971107  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19971107  
**Handler Name:** WESTIN HOTEL  
**Source Type:** Notification

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Waste Code Details**

Hazardous Waste Code: D008  
 Waste Code Description: LEAD

**Owner/Operator Details**

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	1675 PALM BEACH BLVD
Name:	GS HOLDINGS CORPORATION	Street 2:	
Date Became Current:		City:	WEST PALM BEACH
Date Ended Current:		State:	FL
Phone:	561-681-8240	Country:	
Source Type:	Notification	Zip Code:	33401

<a href="#">22</a>	1 of 2	W	0.15 / 804.15	772.26 / 18	FRANKLIN COUNTY COURTHOUSE 369 SOUTH HIGH ST COLUMBUS OH 43215	LUST
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Release No: 25010989-N00001  
 Release No (Map): 25010989 - N00001  
 Facility Name (Map): FRANKLIN COUNTY COURTHOUSE  
 Address (Map): 369 SOUTH HIGH ST  
 City (Map): COLUMBUS  
 Zip (Map): 43215  
 Latitude (Map): 39.95419  
 Longitude (Map): -82.99942  
 Release No (Web): 25010989-N00001  
 Facility Name (Web): FRANKLIN COUNTY COURTHOUSE  
 Address (Web): 369 SOUTH HIGH ST  
 City (Web): COLUMBUS  
 State (Web): OH  
 Zip (Web): 43215  
 County (Web): Franklin  
 Latitude (Web): 39.9542  
 Longitude (Web): -82.9994  
 Release No (BUSTR): 25010989 - N00001  
 Facility Name (BUSTR): FRANKLIN COUNTY COURTHOUSE  
 Address (BUSTR): 369 SOUTH HIGH ST  
 City (BUSTR): COLUMBUS  
 State (BUSTR): Ohio  
 Zip (BUSTR): 43215  
 County (BUSTR): Franklin  
 Latitude (BUSTR): 39.9542  
 Longitude (BUSTR): -82.9994  
 Release No (OTTER): N00001  
 Fac No and Name(OTTER): 25010989 (FRANKLIN COUNTY COURTHOUSE)  
 Address (OTTER): 369 SOUTH HIGH ST  
 City (OTTER): COLUMBUS  
 State (OTTER):  
 Zip (OTTER): 43215  
 County (OTTER): Franklin  
 Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

Facility Status:	Inactive	Date Last Change:	8/13/2009
LTF Status:	6 Closure of regulated UST	Review Date:	08/13/2009
FR Status:	NFA: No Further Action	Priority:	2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Release Date: 06/10/2009 Class: D  
 Class Description: A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

Old Incident ID: No Tanks Available Date Reported: 6/10/2009  
 Tank Status: No Tanks Available Owner Busi Name: FRANKLIN COUNTY COMMISSIONERS  
 Facility: 25010989 (FRANKLIN COUNTY COURTHOUSE)  
 Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28757  
 Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=12461

**BUSTR Map: All Environmental**

Object ID:	14617	Lat:	39.95419
FR Status:	NFA: No Further Action	Long:	-82.99942
Release No:	25010989 - N00001	Match:	S80
Address Out:	369 S High St	LOC QUAL:	MAF3
City Out:	Columbus	Facility Z:	43215
State Out:	OH	Loc Conf:	1
ZIP Out:	43215-4516	Date Processed:	1/1/1970, 12:36 AM
Label:	25010989 - N00001 FRANKLIN COUNTY COURTHOUSE		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

Incident No:		Facility Name:	FRANKLIN COUNTY COURTHOUSE
Status:	NFA: No Further Action	Facility Address:	369 SOUTH HIGH ST
Release Date:	6/10/2009	Facility City:	COLUMBUS
Last Status Updated:	8/13/2009	Facility State:	Ohio
Substatus:		Facility ZIP:	43215
Priority:	2	Facility Latitude:	39.9542
Class:	D	Facility Longitude:	-82.9994
Rules:	2005	Last Review Date:	8/13/2009
Coordinator:	Dan Gelfius	Last Update:	
LTF:	6 Closure of regulated UST	Last Update Date:	4/28/2012
Rating:	14	County:	Franklin
Sequence No:	15331		
Class Desc:	A viable RP has been identified		

<a href="#">22</a>	2 of 2	W	0.15 / 804.15	772.26 / 18	FRANKLIN COUNTY COURTHOUSE 369 SOUTH HIGH ST COLUMBUS OH 43215	UST
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Facility No: 25010989  
 Facility No (Web):  
 Facility Name (Web):  
 Address (Web):  
 City (Web):  
 Zip (Web):  
 County (Web):  
 Latitude (Web):  
 Longitude (Web):  
 State (Web):  
 Facility No (Web2): 25010989  
 Facility Name (Web2): FRANKLIN COUNTY COURTHOUSE  
 Address (Web2): 369 SOUTH HIGH ST  
 City (Web2): COLUMBUS  
 Zip (Web2): 43215  
 Latitude (Web2): 39.9542  
 Longitude (Web2): -82.9994  
 State (Web2): Ohio  
 County (Web2): Franklin  
 Fac No (Map): 25010989  
 Fac Name (Map): FRANKLIN COUNTY COURTHOUSE  
 Address (Map): 369 SOUTH HIGH ST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>City (Map):</b>		COLUMBUS				
<b>State (Map):</b>		Ohio				
<b>Zip (Map):</b>		43215				
<b>County (Map):</b>		Franklin				
<b>Latitude (Map):</b>		39.95419				
<b>Longitude (Map):</b>		-82.99942				
<b>Address (OTTER):</b>		369 SOUTH HIGH ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)				

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:**  
**Tank Status:** No Tanks Available  
**Facility URL:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28757>  
**Release No URL:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=12461>

**Date Reported:** 6/10/2009  
**Own Business Name:** FRANKLIN COUNTY COMMISSIONERS

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

**Tank No:** T00001  
**Status:** REM - Removed  
**UST:** UST  
**Regulated:** YES  
**Facility Type:** Government  
**Installation Date:** 01/01/1900  
**Date Removed:** 06/10/2009  
**Date TCL Closed:**  
**Owner Name:** FRANKLIN COUNTY COMMISSIONERS  
**Owner Address:** 1721 ALUM CREEK DR  
**Owner City:** COLUMBUS  
**Owner State:** OH  
**Owner Zip:** 43207  
**Construction:** BM - Bare Metal  
**Construction Comments:** BM - Bare Metal  
**Overfill Prevention:**  
**Overfill Prev Comments:**  
**Prmry Release Detection:** AMO - Alternative Method (Other, explain)  
**2ndry Release Detection:**  
**Release Detect Comments:** RDTank: / RDLine:  
**Spill Prevention Manholes:** OTH - Other (Explain)  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:**  
**Corrosion Protect Comments:**  
**Piping Configuration:**  
**Piping Config Comment:**  
**Piping Styles:** NA - Not Applicable  
**Piping Construction:** OTH - Other (explain)  
**Piping Construct Comments:**  
**Piping Corrosion Protection:** OTH - Other (explain)  
**Piping Corr Protect Comments:**  
**Piping Release Detection:** OTH - Other(explain)  
**Piping Rel Detect Comments:**  
**Comments:**

**Date Last Used:** 01/01/1900  
**UST Capacity:** 5000  
**Tank Content:** Gasoline  
**Abandon Approve:**  
**UST Configurations:**  
**CAS No:** 8006-61-9  
**Sensitive Area:** NO  
**Dt of Sensitivity:**

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

**Tank No:** T00001  
**Status:** REM - Removed  
**Tank Content:** Gasoline  
**UST Capacity:** 5000  
**Label:** 25010989 FRANKLIN COUNTY

**Address Out:** 369 S High St  
**City Out:** Columbus  
**State Out:** OH  
**Zip Out:** 43215-4516  
**Match:** S80

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
		COURTHOUSE				
State:	Ohio				LOC QUAL: MAF3	
Lat:	39.95419				LOC CONF: 1	
Lon:	-82.99942					

[23](#) 1 of 2 W 0.17 / 885.12 769.33 / 15 FRANKLIN COUNTY COURTHOUSE 345 S HIGH ST COLUMBUS OH 43215 LUST

**Release No:** 25011008-N00001  
**Release No (Map):** 25011008 - N00001  
**Facility Name (Map):** FRANKLIN COUNTY COURTHOUSE  
**Address (Map):** 345 S HIGH ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.955033  
**Longitude (Map):** -82.999867  
**Release No (Web):** 25011008-N00001  
**Facility Name (Web):** FRANKLIN COUNTY COURTHOUSE  
**Address (Web):** 345 S HIGH ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.954833  
**Longitude (Web):** -83.000622  
**Release No (BUSTR):** 25011008 - N00001  
**Facility Name (BUSTR):** FRANKLIN COUNTY COURTHOUSE  
**Address (BUSTR):** 345 S HIGH ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.954833  
**Longitude (BUSTR):** -83.000622  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25011008 (FRANKLIN COUNTY COURTHOUSE)  
**Address (OTTER):** 345 S HIGH ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):** Ohio  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive  
**LTF Status:** 6 Closure of regulated UST  
**FR Status:** NFA: No Further Action  
**Release Date:** 08/02/2010  
**Class Description:** A viable RP has been identified  
**Date Last Change:** 9/1/2010  
**Review Date:** 09/01/2010  
**Priority:**  
**Class:** D

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:**  
**Tank Status:** No Tanks Available  
**Facility:** 25011008 (FRANKLIN COUNTY COURTHOUSE)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUri=%2ffire%2fOTTER%2fInquiry%2fInquiry#28751>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14444>  
**Date Reported:** 8/2/2010  
**Owner Busi Name:** FRANKLIN COUNTY COMMISSIONERS

**BUSTR Map: All Environmental**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Object ID:</b>	14632				<b>Lat:</b> 39.955033	
<b>FR Status:</b>	NFA: No Further Action				<b>Long:</b> -82.999867	
<b>Release No:</b>	25011008 - N00001				<b>Match:</b> S80	
<b>Address Out:</b>	345 S High St				<b>LOC QUAL:</b> MAF7	
<b>City Out:</b>	Columbus				<b>Facility Z:</b> 43215	
<b>State Out:</b>	OH				<b>Loc Conf:</b> 1	
<b>ZIP Out:</b>	43215-4587				<b>Date Processed:</b> 1/1/1970, 12:36 AM	
<b>Label:</b>	25011008 - N00001 FRANKLIN COUNTY COURTHOUSE					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	FRANKLIN COUNTY COURTHOUSE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	345 S HIGH ST
<b>Release Date:</b>	8/2/2010	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	9/1/2010	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>		<b>Facility Latitude:</b>	39.954833
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.000622
<b>Rules:</b>	2005	<b>Last Review Date:</b>	9/1/2010
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Tanya Nell
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/16/2020
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	15332		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">23</a>	2 of 2	W	0.17 / 885.12	769.33 / 15	FRANKLIN COUNTY COURTHOUSE 345 S HIGH ST COLUMBUS OH 43215	UST
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<b>Facility No:</b>	25011008
<b>Facility No (Web):</b>	
<b>Facility Name (Web):</b>	
<b>Address (Web):</b>	
<b>City (Web):</b>	
<b>Zip (Web):</b>	
<b>County (Web):</b>	
<b>Latitude (Web):</b>	
<b>Longitude (Web):</b>	
<b>State (Web):</b>	
<b>Facility No (Web2):</b>	25011008
<b>Facility Name (Web2):</b>	FRANKLIN COUNTY COURTHOUSE
<b>Address (Web2):</b>	345 S HIGH ST
<b>City (Web2):</b>	COLUMBUS
<b>Zip (Web2):</b>	43215
<b>Latitude (Web2):</b>	39.954833
<b>Longitude (Web2):</b>	-83.000622
<b>State (Web2):</b>	Ohio
<b>County (Web2):</b>	Franklin
<b>Fac No (Map):</b>	25011008
<b>Fac Name (Map):</b>	FRANKLIN COUNTY COURTHOUSE
<b>Address (Map):</b>	345 S HIGH ST
<b>City (Map):</b>	COLUMBUS
<b>State (Map):</b>	Ohio
<b>Zip (Map):</b>	43215
<b>County (Map):</b>	Franklin
<b>Latitude (Map):</b>	39.955033
<b>Longitude (Map):</b>	-82.999867
<b>Address (OTTER):</b>	345 S HIGH ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43215
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	8/2/2010
<b>Tank Status:</b>	No Tanks Available	<b>Own Business Name:</b>	FRANKLIN COUNTY COMMISSIONERS
<b>Facility URL:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28751		
<b>Release No URL:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14444		

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	01/01/1900
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	300
<b>UST:</b>	UST	<b>Tank Content:</b>	Used Oil
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>		<b>CAS No:</b>	
<b>Date Removed:</b>	08/02/2010	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	FRANKLIN COUNTY COMMISSIONERS		
<b>Owner Address:</b>	1721 ALUM CREEK DR		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43207		
<b>Construction:</b>	BM - Bare Metal		
<b>Construction Comments:</b>	BM - Bare Metal		
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>	AMO - Alternative Method (Other, explain)		
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>	RDTank: / RDLine:		
<b>Spill Prevention Manholes:</b>	OTH - Other (Explain)		
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	NA - Not Applicable		
<b>Piping Construction:</b>	OTH - Other (explain)		
<b>Piping Construct Comments:</b>			
<b>Piping Corrosion Protection:</b>	OTH - Other (explain)		
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>	OTH - Other(explain)		
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b>	T00001	<b>Address Out:</b>	345 S High St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Used Oil	<b>State Out:</b>	OH
<b>UST Capacity:</b>	300	<b>Zip Out:</b>	43215-4587
<b>Label:</b>	25011008 FRANKLIN COUNTY COURTHOUSE	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF7
<b>Lat:</b>	39.955033	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.999867		

<a href="#">24</a>	1 of 1	<b>W</b>	<b>0.19 / 976.94</b>	<b>765.25 / 11</b>	<b>Cities Service Oil Co. 325 S High St Columbus OH</b>	<b>HIST GAS STATIONS</b>
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**Station:** Cities Service Oil Co.  
**Fac Name:**  
**County:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">25</a>	1 of 3	NNW	0.19 / 1,004.81	755.37 / 1	COLUMBUS COMMON STATION 2 55 E Rich St Columbus OH 43215	ALT FUELS

<b>ID:</b>	193281	<b>CNG Dispenser No:</b>	
<b>Fuel Type Code:</b>	ELEC: Electric	<b>CNG Site Renew Src:</b>	
<b>Station Phone:</b>	888-758-4389	<b>CNG Tot Compr Cap:</b>	
<b>Expected Date:</b>		<b>CNG Storage Cap:</b>	
<b>BD Blends:</b>		<b>CNG Fill Type Code:</b>	
<b>NG PSI:</b>		<b>CNG PSI:</b>	
<b>Federal Agency ID:</b>		<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2021-07-29	<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>		<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>		<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>		<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2024-04-30	<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2024-04-30 00:52:14 UTC	<b>Latitude:</b>	39.957353
<b>Access Code:</b>	public	<b>Longitude:</b>	-82.997863
<b>Access Detail Code:</b>			
<b>Groups with Access Code:</b>	Public		
<b>Groups with Access Code Fr:</b>	Public		
<b>Fed Agency Name:</b>			
<b>Hydrogen Status Link:</b>			
<b>E85 Other Ethanol Blends:</b>			
<b>NPS Unit Name:</b>			
<b>Cards Accepted:</b>			
<b>CNG Statn Sells Renewable Na:</b>			
<b>LNG Statn Sells Renewable Na:</b>			
<b>Maximum Vehicle Class:</b>			
<b>RD Blended With Biodiesel:</b>			
<b>RD Blends:</b>			
<b>RD Blends French:</b>			
<b>RD Maximum Biodiesel Level:</b>			
<b>Status:</b>	Open: The station is open.		
<b>Owner Type Desc:</b>			
<b>E85 Blender Pump Desc:</b>			
<b>NG Fill Type Desc:</b>			
<b>NG Vehicle Class Desc:</b>			
<b>Geocode Status Desc:</b>	The location is from a real GPS readout at the station.		
<b>Group with Access Desc:</b>	Publicly available to all customers.		
<b>LPG Primary Desc:</b>			
<b>Intersection Directions:</b>			
<b>Access Days Time:</b>	24 hours daily		
<b>Restricted Access:</b>			
<b>Ev Workplace Charging:</b>	false		

<a href="#">25</a>	2 of 3	NNW	0.19 / 1,004.81	755.37 / 1	COLUMBUS COMMON STATION 3 55 E Rich St Columbus OH 43215	ALT FUELS
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<b>ID:</b>	193280	<b>CNG Dispenser No:</b>	
<b>Fuel Type Code:</b>	ELEC: Electric	<b>CNG Site Renew Src:</b>	
<b>Station Phone:</b>	888-758-4389	<b>CNG Tot Compr Cap:</b>	
<b>Expected Date:</b>		<b>CNG Storage Cap:</b>	
<b>BD Blends:</b>		<b>CNG Fill Type Code:</b>	
<b>NG PSI:</b>		<b>CNG PSI:</b>	
<b>Federal Agency ID:</b>		<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2021-07-29	<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>		<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>		<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>		<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2024-04-30	<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2024-04-30 00:52:14 UTC	<b>Latitude:</b>	39.956995
<b>Access Code:</b>	public	<b>Longitude:</b>	-82.998059
<b>Access Detail Code:</b>			
<b>Groups with Access Code:</b>	Public		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Groups with Access Code Fr:** Public  
**Fed Agency Name:**  
**Hydrogen Status Link:**  
**E85 Other Ethanol Blends:**  
**NPS Unit Name:**  
**Cards Accepted:**  
**CNG Statn Sells Renewable Na:**  
**LNG Statn Sells Renewable Na:**  
**Maximum Vehicle Class:**  
**RD Blended With Biodiesel:**  
**RD Blends:**  
**RD Blends French:**  
**RD Maximum Biodiesel Level:**  
**Status:** Open: The station is open.  
**Owner Type Desc:**  
**E85 Blender Pump Desc:**  
**NG Fill Type Desc:**  
**NG Vehicle Class Desc:**  
**Geocode Status Desc:** The location is from a real GPS readout at the station.  
**Group with Access Desc:** Publicly available to all customers.  
**LPG Primary Desc:**  
**Intersection Directions:**  
**Access Days Time:** 24 hours daily  
**Restricted Access:**  
**Ev Workplace Charging:** false

<a href="#">25</a>	3 of 3	NNW	0.19 / 1,004.81	755.37 / 1	COLUMBUS COMMON STATION 1 55 E Rich St Columbus OH 43215	ALT FUELS
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<b>ID:</b>	193282	<b>CNG Dispenser No:</b>	
<b>Fuel Type Code:</b>	ELEC: Electric	<b>CNG Site Renew Src:</b>	
<b>Station Phone:</b>	888-758-4389	<b>CNG Tot Compr Cap:</b>	
<b>Expected Date:</b>		<b>CNG Storage Cap:</b>	
<b>BD Blends:</b>		<b>CNG Fill Type Code:</b>	
<b>NG PSI:</b>		<b>CNG PSI:</b>	
<b>Federal Agency ID:</b>		<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2021-07-29	<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>		<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>		<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>		<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2024-04-30	<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2024-04-30 00:52:15 UTC	<b>Latitude:</b>	39.957006
<b>Access Code:</b>	public	<b>Longitude:</b>	-82.998109
<b>Access Detail Code:</b>			
<b>Groups with Access Code:</b>	Public		
<b>Groups with Access Code Fr:</b>	Public		
<b>Fed Agency Name:</b>			
<b>Hydrogen Status Link:</b>			
<b>E85 Other Ethanol Blends:</b>			
<b>NPS Unit Name:</b>			
<b>Cards Accepted:</b>			
<b>CNG Statn Sells Renewable Na:</b>			
<b>LNG Statn Sells Renewable Na:</b>			
<b>Maximum Vehicle Class:</b>			
<b>RD Blended With Biodiesel:</b>			
<b>RD Blends:</b>			
<b>RD Blends French:</b>			
<b>RD Maximum Biodiesel Level:</b>			
<b>Status:</b>	Open: The station is open.		
<b>Owner Type Desc:</b>			
<b>E85 Blender Pump Desc:</b>			
<b>NG Fill Type Desc:</b>			
<b>NG Vehicle Class Desc:</b>			
<b>Geocode Status Desc:</b>	The location is from a real GPS readout at the station.		
<b>Group with Access Desc:</b>	Publicly available to all customers.		
<b>LPG Primary Desc:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Intersection Directions:**

**Access Days Time:** 24 hours daily  
**Restricted Access:**  
**Ev Workplace Charging:** false

<a href="#">26</a>	1 of 2	<b>NNW</b>	<b>0.20 / 1,031.90</b>	<b>755.05 / 0</b>	<b>SCHULER INC 222 S 3RD ST COLUMBUS OH 43207</b>	<b>LUST</b>
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**Release No:** 25010524-N00001  
**Release No (Map):** 25010524 - N00001  
**Facility Name (Map):** SCHULER INC  
**Address (Map):** 222 S 3RD ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43207  
**Latitude (Map):** 39.958282  
**Longitude (Map):** -82.997002  
**Release No (Web):** 25010524-N00001  
**Facility Name (Web):** SCHULER INC  
**Address (Web):** 222 S 3RD ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43207  
**County (Web):** Franklin  
**Latitude (Web):** 39.958073  
**Longitude (Web):** -82.99698  
**Release No (BUSTR):** 25010524 - N00001  
**Facility Name (BUSTR):** SCHULER INC  
**Address (BUSTR):** 222 S 3RD ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43207  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.958073  
**Longitude (BUSTR):** -82.99698  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010524 (SCHULER INC)  
**Address (OTTER):** 222 S 3RD ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43207  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b> Inactive	<b>Date Last Change:</b> 10/3/1991
<b>LTF Status:</b> 1 SUS/CON from regulated UST	<b>Review Date:</b> 10/03/1991
<b>FR Status:</b> NFA: No Further Action	<b>Priority:</b> 2
<b>Release Date:</b> 04/24/1989	<b>Class:</b> D
<b>Class Description:</b> A viable RP has been identified	

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b> 25928100.0	<b>Date Reported:</b> 4/24/1989
<b>Tank Status:</b> No Tanks Available	<b>Owner Busi Name:</b> SCHULER INC
<b>Facility:</b> 25010524 (SCHULER INC)	
<b>Facility Link:</b> <a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#15179">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#15179</a>	
<b>Release Link:</b> <a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18978">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18978</a>	

**BUSTR Map: All Environmental**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Object ID:</b>	14267				<b>Lat:</b> 39.958282	
<b>FR Status:</b>	NFA: No Further Action				<b>Long:</b> -82.997002	
<b>Release No:</b>	25010524 - N00001				<b>Match:</b> S90	
<b>Address Out:</b>	222 S 3rd St				<b>LOC QUAL:</b> AS0	
<b>City Out:</b>	Columbus				<b>Facility Z:</b> 43207	
<b>State Out:</b>	OH				<b>Loc Conf:</b> 2	
<b>ZIP Out:</b>	43215-5131				<b>Date Processed:</b> 1/1/1970, 12:36 AM	
<b>Label:</b>	25010524 - N00001 SCHULER INC					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	25928100.0	<b>Facility Name:</b>	SCHULER INC
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	222 S 3RD ST
<b>Release Date:</b>	4/24/1989	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	10/3/1991	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43207
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.958073
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.99698
<b>Rules:</b>	1992	<b>Last Review Date:</b>	10/3/1991
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	2/9/2022
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	32620		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">26</a>	2 of 2	<b>NNW</b>	<b>0.20 / 1,031.90</b>	<b>755.05 / 0</b>	<b>SCHULER INC 222 S 3RD ST COLUMBUS OH 43207</b>	<b>UST</b>
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<b>Facility No:</b>	25010524
<b>Facility No (Web):</b>	
<b>Facility Name (Web):</b>	
<b>Address (Web):</b>	
<b>City (Web):</b>	
<b>Zip (Web):</b>	
<b>County (Web):</b>	
<b>Latitude (Web):</b>	
<b>Longitude (Web):</b>	
<b>State (Web):</b>	
<b>Facility No (Web2):</b>	25010524
<b>Facility Name (Web2):</b>	SCHULER INC
<b>Address (Web2):</b>	222 S 3RD ST
<b>City (Web2):</b>	COLUMBUS
<b>Zip (Web2):</b>	43207
<b>Latitude (Web2):</b>	39.958073
<b>Longitude (Web2):</b>	-82.99698
<b>State (Web2):</b>	Ohio
<b>County (Web2):</b>	Franklin
<b>Fac No (Map):</b>	
<b>Fac Name (Map):</b>	
<b>Address (Map):</b>	
<b>City (Map):</b>	
<b>State (Map):</b>	
<b>Zip (Map):</b>	
<b>County (Map):</b>	
<b>Latitude (Map):</b>	
<b>Longitude (Map):</b>	
<b>Address (OTTER):</b>	222 S 3RD ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43207
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2)

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Old Incident ID:** 25928100.0      **Date Reported:** 4/24/1989  
**Tank Status:** No Tanks Available      **Own Business Name:** SCHULER INC  
**Facility URL:** https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#15179  
**Release No URL:** https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18978

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00003	<b>Date Last Used:</b>	
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	6000
<b>UST:</b>	UST	<b>Tank Content:</b>	Heating Oil
<b>Regulated:</b>	NO	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Unknown	<b>UST Configurations:</b>	
<b>Installation Date:</b>		<b>CAS No:</b>	
<b>Date Removed:</b>	04/12/1989	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>			
<b>Owner Address:</b>			
<b>Owner City:</b>			
<b>Owner State:</b>			
<b>Owner Zip:</b>			
<b>Construction:</b>			
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>			
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>			
<b>Spill Prevention Manholes:</b>			
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>			
<b>Piping Construction:</b>			
<b>Piping Construct Comments:</b>			
<b>Piping Corrosion Protection:</b>			
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>			
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	10000
<b>UST:</b>	UST	<b>Tank Content:</b>	Gasoline
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Unknown	<b>UST Configurations:</b>	
<b>Installation Date:</b>		<b>CAS No:</b>	
<b>Date Removed:</b>	04/12/1989	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>			
<b>Owner Address:</b>			
<b>Owner City:</b>			
<b>Owner State:</b>			
<b>Owner Zip:</b>			
<b>Construction:</b>			
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>			
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>			
<b>Spill Prevention Manholes:</b>			
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Piping Config Comment:**

**Piping Styles:**

**Piping Construction:**

**Piping Construct Comments:**

**Piping Corrosion Protection:**

**Piping Corr Protect Comments:**

**Piping Release Detection:**

**Piping Rel Detect Comments:**

**Comments:**

**Tank No:** T00002  
**Status:** REM - Removed

**UST:** UST

**Regulated:** YES

**Facility Type:** Unknown

**Installation Date:**

**Date Removed:** 05/10/1989

**Date TCL Closed:**

**Owner Name:**

**Owner Address:**

**Owner City:**

**Owner State:**

**Owner Zip:**

**Construction:**

**Construction Comments:**

**Overfill Prevention:**

**Overfill Prev Comments:**

**Prmry Release Detection:**

**2ndry Release Detection:**

**Release Detect Comments:**

**Spill Prevention Manholes:**

**Spill Prev Manhole Comment:**

**Corrosion Protections:**

**Corrosion Protect Comments:**

**Piping Configuration:**

**Piping Config Comment:**

**Piping Styles:**

**Piping Construction:**

**Piping Construct Comments:**

**Piping Corrosion Protection:**

**Piping Corr Protect Comments:**

**Piping Release Detection:**

**Piping Rel Detect Comments:**

**Comments:**

**Date Last Used:**

**UST Capacity:** 10000

**Tank Content:** Gasoline

**Abandon Approve:**

**UST Configurations:**

**CAS No:**

**Sensitive Area:** NO

**Dt of Sensitivity:**

<a href="#">27</a>	1 of 1	NNE	0.20 / 1,036.65	755.24 / 1	SWISS CLEANERS 189 E. RICH ST. COLUMBUS OH 43215	DRYCLEANERS
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**Facility ID:** 0125041983  
**Facility Name:** SWISS CLEANERS  
**Address:** 189 E. RICH ST.  
**City:** COLUMBUS  
**Zip Code:** 43215  
**State:** OH  
**County:** Franklin

**Facility Name(Web):**  
**Address (Web):**  
**City (Web):**  
**Zip Code (Web):**  
**State (Web):**  
**County (Web):**

**Address2:**  
**Source:** EPA Dry Cleaning Facility List

**EPA Dry Cleaning Facility Details**

**NAICS Code:** 812320  
**SIC Code:** 7216  
**EPA Emu ID:** D001  
**Operat Status Cd:** sd  
**Contact Type Cd:** prim  
**First Name:** DONNA

**Phone No:** 6142248380  
**Email Address:**  
**Zip5:** 43215  
**Zip4:**  
**Lat Deg:** 0  
**Lat Min:** 0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Last Name:</b>		FISCHER		<b>Lat Sec:</b>		0
<b>Address:</b>		189 E. RICH ST.		<b>Long Deg:</b>		0
<b>Address2:</b>				<b>Long Min:</b>		0
<b>City:</b>		COLUMBUS		<b>Long Sec:</b>		0
<b>State:</b>		OH				
<b>Emission Unit ID:</b>		SWISS CLEANERS INC				
<b>EU Desc:</b>						

<a href="#">28</a>	1 of 1	<b>NNW</b>	<b>0.20 / 1,045.11</b>	<b>755.89 / 1</b>	<b>BBI LOGISTICS LLC 80 E RICH ST STE 200 COLUMBUS OH 43215</b>	<b>RCRA NON GEN</b>
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**EPA Handler ID:** OHR000223248  
**Gen Status Universe:** No Report  
**Contact Name:** KENNY JOHNSON  
**Contact Address:** 80 E RICH ST STE 200 , , COLUMBUS , OH, 43215 , US  
**Contact Phone No and Ext:** 614-607-4877  
**Contact Email:** KJOHNSON@BBILOGISTICS.COM  
**Contact Country:** US  
**County Name:** FRANKLIN  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 20230928  
**Location Latitude:** 39.957751  
**Location Longitude:** -82.99759

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** Yes  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20230928  
**Handler Name:** BBI LOGISTICS LLC  
**Source Type:** Notification  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	80 E RICH ST STE 200
<b>Name:</b>	BBI LOGISTICS	<b>Street 2:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Date Became Current:</b>	20230928				<b>City:</b> COLUMBUS	
<b>Date Ended Current:</b>					<b>State:</b> OH	
<b>Phone:</b>	614-607-4877				<b>Country:</b> US	
<b>Source Type:</b>	Notification				<b>Zip Code:</b> 43215	
<b>Owner/Operator Ind:</b>	Current Operator				<b>Street No:</b>	
<b>Type:</b>	Private				<b>Street 1:</b> 80 E RICH ST STE 200	
<b>Name:</b>	BBI LOGISTICS				<b>Street 2:</b>	
<b>Date Became Current:</b>	20230928				<b>City:</b> COLUMBUS	
<b>Date Ended Current:</b>					<b>State:</b> OH	
<b>Phone:</b>	614-607-4877				<b>Country:</b> US	
<b>Source Type:</b>	Notification				<b>Zip Code:</b> 43215	

[29](#) 1 of 2 **NE** 0.21 / 1,102.28 757.83 / 3 **MOBILE DOWNTOWN 215 E RICH ST COLUMBUS OH 43215** **LUST**

**Release No:** 25000664-N00001  
**Release No (Map):** 25000664 - N00001  
**Facility Name (Map):** MOBILE DOWNTOWN  
**Address (Map):** 215 E RICH ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.9578  
**Longitude (Map):** -82.99369  
**Release No (Web):** 25000664-N00001  
**Facility Name (Web):** MOBILE DOWNTOWN  
**Address (Web):** 215 E RICH ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.957995  
**Longitude (Web):** -82.994026  
**Release No (BUSTR):** 25000664 - N00001  
**Facility Name (BUSTR):** MOBILE DOWNTOWN  
**Address (BUSTR):** 215 E RICH ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.957995  
**Longitude (BUSTR):** -82.994026  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25000664 (MOBILE DOWNTOWN)  
**Address (OTTER):** 215 E RICH ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive **Date Last Change:** 3/19/2022  
**LTF Status:** 6 Closure of regulated UST **Review Date:** 03/19/1992  
**FR Status:** NFA: No Further Action **Priority:** 2  
**Release Date:** 12/25/1992 **Class:** D  
**Class Description:** A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** 251318300.0 **Date Reported:** 12/25/1992  
**Tank Status:** Both **Owner Busi Name:** 3 SHARK INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility:** 25000664 (MOBILE DOWNTOWN)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9426>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20099>

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12141	<b>Lat:</b>	39.9578
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99369
<b>Release No:</b>	25000664 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	215 E Rich St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5219	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000664 - N00001 MOBILE DOWNTOWN		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	251318300.0	<b>Facility Name:</b>	MOBILE DOWNTOWN
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	215 E RICH ST
<b>Release Date:</b>	12/25/1992	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/19/2022	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.957995
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.994026
<b>Rules:</b>	1992	<b>Last Review Date:</b>	3/19/1992
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	11/29/2022
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	24395		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">29</a>	2 of 2	NE	0.21 / 1,102.28	757.83 / 3	MOBILE DOWNTOWN 215 E RICH ST COLUMBUS OH 43215	UST
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**Facility No:** 25000664  
**Facility No (Web):** 25000664  
**Facility Name (Web):** MOBILE DOWNTOWN  
**Address (Web):** 215 E RICH ST  
**City (Web):** COLUMBUS  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.957995  
**Longitude (Web):** -82.994026  
**State (Web):** Ohio  
**Facility No (Web2):** 25000664  
**Facility Name (Web2):** MOBILE DOWNTOWN  
**Address (Web2):** 215 E RICH ST  
**City (Web2):** COLUMBUS  
**Zip (Web2):** 43215  
**Latitude (Web2):** 39.957995  
**Longitude (Web2):** -82.994026  
**State (Web2):** Ohio  
**County (Web2):** Franklin  
**Fac No (Map):** 25000664  
**Fac Name (Map):** MOBILE DOWNTOWN  
**Address (Map):** 215 E RICH ST  
**City (Map):** COLUMBUS  
**State (Map):** Ohio  
**Zip (Map):** 43215  
**County (Map):** Franklin  
**Latitude (Map):** 39.9578  
**Longitude (Map):** -82.99369  
**Address (OTTER):** 215 E RICH ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Active Registered Facilities (Web); Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** 251318300.0  
**Tank Status:** Both  
**Facility URL:** https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9426  
**Release No URL:** https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20099  
**Date Reported:** 12/25/1992  
**Own Business Name:** 3 SHARK INC

**Underground Storage Tanks Lookup - List of Active Registered Facilities**

<b>Tank No:</b>	T00003	<b>Date Last Used:</b>	
<b>Status:</b>	CIU - Currently In Use	<b>UST Capacity:</b>	8000
<b>UST:</b>	UST	<b>Tank Content:</b>	Gasoline
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Gas Station	<b>UST Configurations:</b>	SW - Single Wall
<b>Installation Date:</b>	10/01/1991	<b>CAS No:</b>	8006-61-9
<b>Date Removed:</b>		<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	3 SHARK INC		
<b>Owner Address:</b>	215 E RICH ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	FRP-Fiberglass Reinforced Plastic		
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>	ALARM - Alarm		
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>	ATG - Automatic Tank Gauging		
<b>2ndary Release Detection:</b>	ATG - Automatic Tank Gauging		
<b>Release Detect Comments:</b>			
<b>Spill Prevention Manholes:</b>	SB - Spill Containment Manhole (bucket)		
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>	NR - None Required by Rule		
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>	SW - Single Wall		
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	P - Pressure		
<b>Piping Construction:</b>	FRP - Fiberglass Reinforced Plastic		
<b>Piping Construct Comments:</b>			
<b>Piping Corrosion Protection:</b>	NR - None required by rule		
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>	MLLD - Mechanical Line Leak Detector		
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

<b>Tank No:</b>	T00002	<b>Date Last Used:</b>	
<b>Status:</b>	CIU - Currently In Use	<b>UST Capacity:</b>	8000
<b>UST:</b>	UST	<b>Tank Content:</b>	Gasoline
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Gas Station	<b>UST Configurations:</b>	SW - Single Wall
<b>Installation Date:</b>	10/01/1991	<b>CAS No:</b>	8006-61-9
<b>Date Removed:</b>		<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	3 SHARK INC		
<b>Owner Address:</b>	215 E RICH ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	FRP-Fiberglass Reinforced Plastic		
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>	ALARM - Alarm		
<b>Overfill Prev Comments:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Prmry Release Detection:</b>					ATG - Automatic Tank Gauging	
<b>2ndary Release Detection:</b>					ATG - Automatic Tank Gauging	
<b>Release Detect Comments:</b>						
<b>Spill Prevention Manholes:</b>					SB - Spill Containment Manhole (bucket)	
<b>Spill Prev Manhole Comment:</b>						
<b>Corrosion Protections:</b>					NR - None Required by Rule	
<b>Corrosion Protect Comments:</b>						
<b>Piping Configuration:</b>					SW - Single Wall	
<b>Piping Config Comment:</b>						
<b>Piping Styles:</b>					P - Pressure	
<b>Piping Construction:</b>					FRP - Fiberglass Reinforced Plastic	
<b>Piping Construct Comments:</b>						
<b>Piping Corrosion Protection:</b>					NR - None required by rule	
<b>Piping Corr Protect Comments:</b>						
<b>Piping Release Detection:</b>					MLLD - Mechanical Line Leak Detector	
<b>Piping Rel Detect Comments:</b>						
<b>Comments:</b>						

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	
<b>Status:</b>	CIU - Currently In Use	<b>UST Capacity:</b>	10000
<b>UST:</b>	UST	<b>Tank Content:</b>	Gasoline
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Gas Station	<b>UST Configurations:</b>	SW - Single Wall
<b>Installation Date:</b>	10/01/1991	<b>CAS No:</b>	8006-61-9
<b>Date Removed:</b>		<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	3 SHARK INC		
<b>Owner Address:</b>	215 E RICH ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	FRP-Fiberglass Reinforced Plastic		
<b>Construction Comments:</b>			
<b>Overfill Prevention:</b>	ALARM - Alarm		
<b>Overfill Prev Comments:</b>			
<b>Prmry Release Detection:</b>	ATG - Automatic Tank Gauging		
<b>2ndary Release Detection:</b>	ATG - Automatic Tank Gauging		
<b>Release Detect Comments:</b>			
<b>Spill Prevention Manholes:</b>	SB - Spill Containment Manhole (bucket)		
<b>Spill Prev Manhole Comment:</b>			
<b>Corrosion Protections:</b>	NR - None Required by Rule		
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>	SW - Single Wall		
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	P - Pressure		
<b>Piping Construction:</b>	FRP - Fiberglass Reinforced Plastic		
<b>Piping Construct Comments:</b>			
<b>Piping Corrosion Protection:</b>	NR - None required by rule		
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>	MLLD - Mechanical Line Leak Detector		
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00008	<b>Date Last Used:</b>	
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	500
<b>UST:</b>	UST	<b>Tank Content:</b>	Used Oil
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Gas Station	<b>UST Configurations:</b>	
<b>Installation Date:</b>		<b>CAS No:</b>	
<b>Date Removed:</b>	10/17/1991	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	3 SHARK INC		
<b>Owner Address:</b>	215 E RICH ST		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Construction:**  
**Construction Comments:**  
**Overfill Prevention:**  
**Overfill Prev Comments:**  
**Prmry Release Detection:**  
**2ndry Release Detection:**  
**Release Detect Comments:**  
**Spill Prevention Manholes:**  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:**  
**Corrosion Protect Comments:**  
**Piping Configuration:**  
**Piping Config Comment:**  
**Piping Styles:**  
**Piping Construction:**  
**Piping Construct Comments:**  
**Piping Corrosion Protection:**  
**Piping Corr Protect Comments:**  
**Piping Release Detection:**  
**Piping Rel Detect Comments:**  
**Comments:**

**Tank No:** T00005  
**Status:** REM - Removed  
**UST:** UST  
**Regulated:** YES  
**Facility Type:** Gas Station  
**Installation Date:**  
**Date Removed:** 10/17/1991  
**Date TCL Closed:**  
**Owner Name:** 3 SHARK INC  
**Owner Address:** 215 E RICH ST  
**Owner City:** COLUMBUS  
**Owner State:** OH  
**Owner Zip:** 43215

**Date Last Used:**  
**UST Capacity:** 10000  
**Tank Content:** Gasoline  
**Abandon Approve:**  
**UST Configurations:**  
**CAS No:**  
**Sensitive Area:** NO  
**Dt of Sensitivity:**

**Construction:**  
**Construction Comments:**  
**Overfill Prevention:**  
**Overfill Prev Comments:**  
**Prmry Release Detection:**  
**2ndry Release Detection:**  
**Release Detect Comments:**  
**Spill Prevention Manholes:**  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:**  
**Corrosion Protect Comments:**  
**Piping Configuration:**  
**Piping Config Comment:**  
**Piping Styles:**  
**Piping Construction:**  
**Piping Construct Comments:**  
**Piping Corrosion Protection:**  
**Piping Corr Protect Comments:**  
**Piping Release Detection:**  
**Piping Rel Detect Comments:**  
**Comments:**

**Tank No:** T00004  
**Status:** REM - Removed  
**UST:** UST  
**Regulated:** YES  
**Facility Type:** Gas Station  
**Installation Date:**  
**Date Removed:** 10/17/1991  
**Date TCL Closed:**  
**Owner Name:** 3 SHARK INC  
**Owner Address:** 215 E RICH ST  
**Owner City:** COLUMBUS  
**Owner State:** OH

**Date Last Used:**  
**UST Capacity:** 10000  
**Tank Content:** Gasoline  
**Abandon Approve:**  
**UST Configurations:**  
**CAS No:**  
**Sensitive Area:** NO  
**Dt of Sensitivity:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Owner Zip: 43215

Construction:  
 Construction Comments:  
 Overfill Prevention:  
 Overfill Prev Comments:  
 Prmry Release Detection:  
 2ndry Release Detection:  
 Release Detect Comments:  
 Spill Prevention Manholes:  
 Spill Prev Manhole Comment:  
 Corrosion Protections:  
 Corrosion Protect Comments:  
 Piping Configuration:  
 Piping Config Comment:  
 Piping Styles:  
 Piping Construction:  
 Piping Construct Comments:  
 Piping Corrosion Protection:  
 Piping Corr Protect Comments:  
 Piping Release Detection:  
 Piping Rel Detect Comments:  
 Comments:

Tank No: T00006  
 Status: REM - Removed  
 UST: UST  
 Regulated: YES  
 Facility Type: Gas Station  
 Installation Date:  
 Date Removed: 10/17/1991  
 Date TCL Closed:

Owner Name: 3 SHARK INC  
 Owner Address: 215 E RICH ST  
 Owner City: COLUMBUS  
 Owner State: OH  
 Owner Zip: 43215

Construction:  
 Construction Comments:  
 Overfill Prevention:  
 Overfill Prev Comments:  
 Prmry Release Detection:  
 2ndry Release Detection:  
 Release Detect Comments:  
 Spill Prevention Manholes:  
 Spill Prev Manhole Comment:  
 Corrosion Protections:  
 Corrosion Protect Comments:  
 Piping Configuration:  
 Piping Config Comment:  
 Piping Styles:  
 Piping Construction:  
 Piping Construct Comments:  
 Piping Corrosion Protection:  
 Piping Corr Protect Comments:  
 Piping Release Detection:  
 Piping Rel Detect Comments:  
 Comments:

Date Last Used:  
 UST Capacity: 10000  
 Tank Content: Gasoline  
 Abandon Approve:  
 UST Configurations:  
 CAS No:  
 Sensitive Area: NO  
 Dt of Sensitivity:

Tank No: T00009  
 Status: REM - Removed  
 UST: UST  
 Regulated: NO  
 Facility Type: Gas Station  
 Installation Date:  
 Date Removed: 10/17/1991  
 Date TCL Closed:

Owner Name: 3 SHARK INC  
 Owner Address: 215 E RICH ST  
 Owner City: COLUMBUS

Date Last Used:  
 UST Capacity: 1000  
 Tank Content: Heating Oil  
 Abandon Approve:  
 UST Configurations:  
 CAS No:  
 Sensitive Area: NO  
 Dt of Sensitivity:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner State:** OH  
**Owner Zip:** 43215  
**Construction:**  
**Construction Comments:**  
**Overfill Prevention:**  
**Overfill Prev Comments:**  
**Prmry Release Detection:**  
**2ndry Release Detection:**  
**Release Detect Comments:**  
**Spill Prevention Manholes:**  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:**  
**Corrosion Protect Comments:**  
**Piping Configuration:**  
**Piping Config Comment:**  
**Piping Styles:**  
**Piping Construction:**  
**Piping Construct Comments:**  
**Piping Corrosion Protection:**  
**Piping Corr Protect Comments:**  
**Piping Release Detection:**  
**Piping Rel Detect Comments:**  
**Comments:**

**Tank No:** T00007  
**Status:** REM - Removed  
**UST:** UST  
**Regulated:** YES  
**Facility Type:** Gas Station  
**Installation Date:**  
**Date Removed:** 10/17/2009  
**Date TCL Closed:**  
**Owner Name:** 3 SHARK INC  
**Owner Address:** 215 E RICH ST  
**Owner City:** COLUMBUS  
**Owner State:** OH  
**Owner Zip:** 43215  
**Construction:**  
**Construction Comments:**  
**Overfill Prevention:**  
**Overfill Prev Comments:**  
**Prmry Release Detection:**  
**2ndry Release Detection:**  
**Release Detect Comments:**  
**Spill Prevention Manholes:**  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:**  
**Corrosion Protect Comments:**  
**Piping Configuration:**  
**Piping Config Comment:**  
**Piping Styles:**  
**Piping Construction:**  
**Piping Construct Comments:**  
**Piping Corrosion Protection:**  
**Piping Corr Protect Comments:**  
**Piping Release Detection:**  
**Piping Rel Detect Comments:**  
**Comments:**

**Date Last Used:**  
**UST Capacity:** 10000  
**Tank Content:** Diesel  
**Abandon Approve:**  
**UST Configurations:**  
**CAS No:**  
**Sensitive Area:** NO  
**Dt of Sensitivity:**

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b> T00001	<b>Address Out:</b> 215 E Rich St
<b>Status:</b> CIU - Currently In Use	<b>City Out:</b> Columbus
<b>Tank Content:</b> Gasoline	<b>State Out:</b> OH
<b>UST Capacity:</b> 10000	<b>Zip Out:</b> 43215-5219
<b>Label:</b> 25000664 MOBILE DOWNTOWN	<b>Match:</b> S80
<b>State:</b> Ohio	<b>LOC QUAL:</b> MAF3
<b>Lat:</b> 39.9578	<b>LOC CONF:</b> 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Lon:	-82.99369					
<b>Tank No:</b>	T00003				<b>Address Out:</b> 215 E Rich St	
<b>Status:</b>	CIU - Currently In Use				<b>City Out:</b> Columbus	
<b>Tank Content:</b>	Gasoline				<b>State Out:</b> OH	
<b>UST Capacity:</b>	8000				<b>Zip Out:</b> 43215-5219	
<b>Label:</b>	25000664 MOBILE DOWNTOWN				<b>Match:</b> S80	
<b>State:</b>	Ohio				<b>LOC QUAL:</b> MAF3	
<b>Lat:</b>	39.9578				<b>LOC CONF:</b> 1	
<b>Lon:</b>	-82.99369					
<b>Tank No:</b>	T00002				<b>Address Out:</b> 215 E Rich St	
<b>Status:</b>	CIU - Currently In Use				<b>City Out:</b> Columbus	
<b>Tank Content:</b>	Gasoline				<b>State Out:</b> OH	
<b>UST Capacity:</b>	8000				<b>Zip Out:</b> 43215-5219	
<b>Label:</b>	25000664 MOBILE DOWNTOWN				<b>Match:</b> S80	
<b>State:</b>	Ohio				<b>LOC QUAL:</b> MAF3	
<b>Lat:</b>	39.9578				<b>LOC CONF:</b> 1	
<b>Lon:</b>	-82.99369					

<b>30</b>	1 of 1	<b>ESE</b>	<b>0.22 / 1,144.40</b>	<b>755.32 / 1</b>	<b>NATIONWIDECCHILD NCH-W30 EV 1</b> <b>231 E Livingston Ave</b> <b>Columbus OH 43215</b>	<b>ALT FUELS</b>
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<b>ID:</b>	149931	<b>CNG Dispenser No:</b>	
<b>Fuel Type Code:</b>	ELEC: Electric	<b>CNG Site Renew Src:</b>	
<b>Station Phone:</b>	888-758-4389	<b>CNG Tot Compr Cap:</b>	
<b>Expected Date:</b>		<b>CNG Storage Cap:</b>	
<b>BD Blends:</b>		<b>CNG Fill Type Code:</b>	
<b>NG PSI:</b>		<b>CNG PSI:</b>	
<b>Federal Agency ID:</b>		<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2019-12-12	<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>		<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>		<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>		<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2024-04-30	<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2024-04-30 00:51:42 UTC	<b>Latitude:</b>	39.952647
<b>Access Code:</b>	public	<b>Longitude:</b>	-82.992153
<b>Access Detail Code:</b>			
<b>Groups with Access Code:</b>	Public		
<b>Groups with Access Code Fr:</b>	Public		
<b>Fed Agency Name:</b>			
<b>Hydrogen Status Link:</b>			
<b>E85 Other Ethanol Blends:</b>			
<b>NPS Unit Name:</b>			
<b>Cards Accepted:</b>			
<b>CNG Statn Sells Renewable Na:</b>			
<b>LNG Statn Sells Renewable Na:</b>			
<b>Maximum Vehicle Class:</b>			
<b>RD Blended With Biodiesel:</b>			
<b>RD Blends:</b>			
<b>RD Blends French:</b>			
<b>RD Maximum Biodiesel Level:</b>			
<b>Status:</b>	Open: The station is open.		
<b>Owner Type Desc:</b>			
<b>E85 Blender Pump Desc:</b>			
<b>NG Fill Type Desc:</b>			
<b>NG Vehicle Class Desc:</b>			
<b>Geocode Status Desc:</b>	The location is from a real GPS readout at the station.		
<b>Group with Access Desc:</b>	Publicly available to all customers.		
<b>LPG Primary Desc:</b>			
<b>Intersection Directions:</b>			
<b>Access Days Time:</b>	24 hours daily		
<b>Restricted Access:</b>			
<b>Ev Workplace Charging:</b>	false		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">31</a>	1 of 2	ESE	0.22 / 1,153.22	755.32 / 1	NATIONWIDECHILD NCH-W30 EV 2 237 1/2 E Livingston Ave Columbus OH 43215	ALT FUELS
<p> <b>ID:</b> 149930  <b>Fuel Type Code:</b> ELEC: Electric  <b>Station Phone:</b> 888-758-4389  <b>Expected Date:</b>  <b>BD Blends:</b>  <b>NG PSI:</b>  <b>Federal Agency ID:</b>  <b>Open Date:</b> 2019-12-12  <b>Hydrogen is Retail:</b>  <b>Federal Agency:</b>  <b>Facility Type:</b>  <b>Dt Last Confirmed:</b> 2024-04-30  <b>Updated at:</b> 2024-04-30 00:51:43 UTC  <b>Access Code:</b> public  <b>Access Detail Code:</b>  <b>Groups with Access Code:</b> Public  <b>Groups with Access Code Fr:</b> Public  <b>Fed Agency Name:</b>  <b>Hydrogen Status Link:</b>  <b>E85 Other Ethanol Blends:</b>  <b>NPS Unit Name:</b>  <b>Cards Accepted:</b>  <b>CNG Statn Sells Renewable Na:</b>  <b>LNG Statn Sells Renewable Na:</b>  <b>Maximum Vehicle Class:</b>  <b>RD Blended With Biodiesel:</b>  <b>RD Blends:</b>  <b>RD Blends French:</b>  <b>RD Maximum Biodiesel Level:</b>  <b>Status:</b> Open: The station is open.  <b>Owner Type Desc:</b>  <b>E85 Blender Pump Desc:</b>  <b>NG Fill Type Desc:</b>  <b>NG Vehicle Class Desc:</b>  <b>Geocode Status Desc:</b> The location is from a real GPS readout at the station.  <b>Group with Access Desc:</b> Publicly available to all customers.  <b>LPG Primary Desc:</b>  <b>Intersection Directions:</b>  <b>Access Days Time:</b> 24 hours daily  <b>Restricted Access:</b>  <b>Ev Workplace Charging:</b> false </p>						
<a href="#">31</a>	2 of 2	ESE	0.22 / 1,153.22	755.32 / 1	NATIONWIDECHILD NCH-W30 EV 3 237 1/2 E Livingston Ave Columbus OH 43215	ALT FUELS
<p> <b>ID:</b> 174798  <b>Fuel Type Code:</b> ELEC: Electric  <b>Station Phone:</b> 888-758-4389  <b>Expected Date:</b>  <b>BD Blends:</b>  <b>NG PSI:</b>  <b>Federal Agency ID:</b>  <b>Open Date:</b> 2021-01-27  <b>Hydrogen is Retail:</b>  <b>Federal Agency:</b>  <b>Facility Type:</b>  <b>Dt Last Confirmed:</b> 2024-04-30  <b>Updated at:</b> 2024-04-30 00:51:42 UTC  <b>Access Code:</b> public  <b>CNG Dispenser No:</b>  <b>CNG Site Renew Src:</b>  <b>CNG Tot Compr Cap:</b>  <b>CNG Storage Cap:</b>  <b>CNG Fill Type Code:</b>  <b>CNG PSI:</b>  <b>CNG Vehicle Class:</b>  <b>LNG Site Renew Src:</b>  <b>LNG Vehicle Class:</b>  <b>LPG Nozzle Types:</b>  <b>Hydrogen Pressures:</b>  <b>Hydrogen Standards:</b>  <b>Latitude:</b> 39.952658  <b>Longitude:</b> -82.992048 </p>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Access Detail Code:</b>						
<b>Groups with Access Code:</b>		Public				
<b>Groups with Access Code Fr:</b>		Public				
<b>Fed Agency Name:</b>						
<b>Hydrogen Status Link:</b>						
<b>E85 Other Ethanol Blends:</b>						
<b>NPS Unit Name:</b>						
<b>Cards Accepted:</b>						
<b>CNG Statn Sells Renewable Na:</b>						
<b>LNG Statn Sells Renewable Na:</b>						
<b>Maximum Vehicle Class:</b>						
<b>RD Blended With Biodiesel:</b>						
<b>RD Blends:</b>						
<b>RD Blends French:</b>						
<b>RD Maximum Biodiesel Level:</b>						
<b>Status:</b>		Open: The station is open.				
<b>Owner Type Desc:</b>						
<b>E85 Blender Pump Desc:</b>						
<b>NG Fill Type Desc:</b>						
<b>NG Vehicle Class Desc:</b>						
<b>Geocode Status Desc:</b>		The location is from a real GPS readout at the station.				
<b>Group with Access Desc:</b>		Publicly available to all customers.				
<b>LPG Primary Desc:</b>						
<b>Intersection Directions:</b>						
<b>Access Days Time:</b>		24 hours daily				
<b>Restricted Access:</b>						
<b>Ev Workplace Charging:</b>		false				

[32](#)

1 of 2

N

0.22 /  
1,181.21

754.91 /  
0

COTA  
111 E TOWN ST  
COLUMBUS OH 43215

LUST

**Release No:** 25000254-N00001  
**Release No (Map):** 25000254 - N00001  
**Facility Name (Map):** GREYHOUND LINES, INC. #250338  
**Address (Map):** 111 E TOWN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95868  
**Longitude (Map):** -82.99564  
**Release No (Web):** 25000254-N00001  
**Facility Name (Web):** COTA  
**Address (Web):** 111 E TOWN ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.95839  
**Longitude (Web):** -82.99567  
**Release No (BUSTR):** 25000254 - N00001  
**Facility Name (BUSTR):** COTA  
**Address (BUSTR):** 111 E TOWN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.95839  
**Longitude (BUSTR):** -82.99567  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25000254 (COTA )  
**Address (OTTER):** 111 E TOWN ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	9/11/1996
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	09/11/1996
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	09/01/2000	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	250296800.0	<b>Date Reported:</b>	9/1/2000
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	CENTRAL OHIO TRANSIT AUTHORITY
<b>Facility:</b>	25000254 (COTA )		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#13260		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18637		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	11764	<b>Lat:</b>	39.95868
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99564
<b>Release No:</b>	25000254 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	111 E Town St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5153	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000254 - N00001 GREYHOUND LINES, INC. #250338		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	250296800.0	<b>Facility Name:</b>	COTA
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	111 E TOWN ST
<b>Release Date:</b>	9/1/2000	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	9/11/1996	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.95839
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.99567
<b>Rules:</b>	1992	<b>Last Review Date:</b>	9/11/1996
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	6/29/2022
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	9805		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">32</a>	2 of 2	N	0.22 / 1,181.21	754.91 / 0	COTA 111 E TOWN ST COLUMBUS OH 43215	UST
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<b>Facility No:</b>	25000254
<b>Facility No (Web):</b>	25000254
<b>Facility Name (Web):</b>	COTA
<b>Address (Web):</b>	111 E TOWN ST
<b>City (Web):</b>	COLUMBUS
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.95839
<b>Longitude (Web):</b>	-82.99567
<b>State (Web):</b>	Ohio
<b>Facility No (Web2):</b>	25000254
<b>Facility Name (Web2):</b>	COTA
<b>Address (Web2):</b>	111 E TOWN ST
<b>City (Web2):</b>	COLUMBUS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip (Web2):			43215			
Latitude (Web2):			39.95839			
Longitude (Web2):			-82.99567			
State (Web2):			Ohio			
County (Web2):			Franklin			
Fac No (Map):			25000254			
Fac Name (Map):			GREYHOUND LINES, INC. #250338			
Address (Map):			111 E TOWN ST			
City (Map):			COLUMBUS			
State (Map):			Ohio			
Zip (Map):			43215			
County (Map):			Franklin			
Latitude (Map):			39.95868			
Longitude (Map):			-82.99564			
Address (OTTER):			111 E TOWN ST			
City (OTTER):			COLUMBUS			
State (OTTER):						
Zip (OTTER):			43215			
County (OTTER):			Franklin			
Data Source:			Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Active Registered Facilities (Web); Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)			

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

**Old Incident ID:** 250296800.0 **Date Reported:** 9/1/2000  
**Tank Status:** Both **Own Business Name:** CENTRAL OHIO TRANSIT AUTHORITY  
**Facility URL:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#13260>  
**Release No URL:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18637>

#### Underground Storage Tanks Lookup - List of Active Registered Facilities

**Tank No:** T00003 **Date Last Used:**  
**Status:** OS1 - OOS1 < 12 Mths **UST Capacity:** 12000  
**UST:** UST **Tank Content:** Diesel  
**Regulated:** YES **Abandon Approve:**  
**Facility Type:** Government **UST Configurations:** SC- Secondarily Contained  
**Installation Date:** 06/01/1996 **CAS No:** 68334-30-5  
**Date Removed:** **Sensitive Area:** NO  
**Date TCL Closed:** 10/12/2023 **Dt of Sensitivity:**  
**Owner Name:** CENTRAL OHIO TRANSIT AUTHORITY  
**Owner Address:** 33 N. High  
**Owner City:** COLUMBUS  
**Owner State:** OH  
**Owner Zip:** 43215  
**Construction:** CS-Clad Steel  
**Construction Comments:**  
**Overfill Prevention:** FILL - Fill Pipe (drop tube flapper)  
**Overfill Prev Comments:**  
**Prmry Release Detection:** ATG - Automatic Tank Gauging  
**2ndary Release Detection:** IMT - Int. Monitoring (D/W Tank)  
**Release Detect Comments:** :  
**Spill Prevention Manholes:** SB - Spill Containment Manhole (bucket)  
**Spill Prev Manhole Comment:**  
**Corrosion Protections:** NR - None Required by Rule  
**Corrosion Protect Comments:**  
**Piping Configuration:** SC - Secondarily Contained  
**Piping Config Comment:**  
**Piping Styles:** P - Pressure  
**Piping Construction:** FRP - Fiberglass Reinforced Plastic  
**Piping Construct Comments:**  
**Piping Corrosion Protection:** NR - None required by rule  
**Piping Corr Protect Comments:**  
**Piping Release Detection:** MLLD - Mechanical Line Leak Detector  
**Piping Rel Detect Comments:**  
**Comments:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

<b>Tank No:</b>	T00002	<b>Date Last Used:</b>	12/01/1991
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	10000
<b>UST:</b>	UST	<b>Tank Content:</b>	Diesel
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>	01/01/1969	<b>CAS No:</b>	68334-30-5
<b>Date Removed:</b>	12/02/1991	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	CENTRAL OHIO TRANSIT AUTHORITY		
<b>Owner Address:</b>	33 N. High		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	BM - Bare Metal		
<b>Construction Comments:</b>	Steel		
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>	OverFill Spill: No		
<b>Prmry Release Detection:</b>	AMO - Alternative Method (Other, explain)		
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>	RDTank: / RDLine:		
<b>Spill Prevention Manholes:</b>	NP - None Present		
<b>Spill Prev Manhole Comment:</b>	No		
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	S - Suction		
<b>Piping Construction:</b>	OTH - Other (explain)		
<b>Piping Construct Comments:</b>	Unknown		
<b>Piping Corrosion Protection:</b>	OTH - Other (explain)		
<b>Piping Corr Protect Comments:</b>			
<b>Piping Release Detection:</b>	OTH - Other(explain)		
<b>Piping Rel Detect Comments:</b>			
<b>Comments:</b>			

<b>Tank No:</b>	T00001	<b>Date Last Used:</b>	12/01/1991
<b>Status:</b>	REM - Removed	<b>UST Capacity:</b>	12000
<b>UST:</b>	UST	<b>Tank Content:</b>	Diesel
<b>Regulated:</b>	YES	<b>Abandon Approve:</b>	
<b>Facility Type:</b>	Government	<b>UST Configurations:</b>	
<b>Installation Date:</b>	01/01/1982	<b>CAS No:</b>	68334-30-5
<b>Date Removed:</b>	12/02/1991	<b>Sensitive Area:</b>	NO
<b>Date TCL Closed:</b>		<b>Dt of Sensitivity:</b>	
<b>Owner Name:</b>	CENTRAL OHIO TRANSIT AUTHORITY		
<b>Owner Address:</b>	33 N. High		
<b>Owner City:</b>	COLUMBUS		
<b>Owner State:</b>	OH		
<b>Owner Zip:</b>	43215		
<b>Construction:</b>	FRP-Fiberglass Reinforced Plastic		
<b>Construction Comments:</b>	Fiberglass Reinforced Plastic		
<b>Overfill Prevention:</b>			
<b>Overfill Prev Comments:</b>	OverFill Spill: No		
<b>Prmry Release Detection:</b>	AMO - Alternative Method (Other, explain)		
<b>2ndry Release Detection:</b>			
<b>Release Detect Comments:</b>	RDTank: / RDLine:		
<b>Spill Prevention Manholes:</b>	NP - None Present		
<b>Spill Prev Manhole Comment:</b>	No		
<b>Corrosion Protections:</b>			
<b>Corrosion Protect Comments:</b>			
<b>Piping Configuration:</b>			
<b>Piping Config Comment:</b>			
<b>Piping Styles:</b>	P - Pressure		
<b>Piping Construction:</b>	OTH - Other (explain)		
<b>Piping Construct Comments:</b>	Unknown		
<b>Piping Corrosion Protection:</b>	OTH - Other (explain)		
<b>Piping Corr Protect Comments:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Piping Release Detection: OTH - Other(explain)  
Piping Rel Detect Comments:  
Comments:

**Map Services Directory: BUSTR (MapServer): All Facility Tanks**

<b>Tank No:</b>	T00002	<b>Address Out:</b>	111 E Town St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Diesel	<b>State Out:</b>	OH
<b>UST Capacity:</b>	10000	<b>Zip Out:</b>	43215-5153
<b>Label:</b>	25000254 GREYHOUND LINES, INC. #250338	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95868	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99564		

<b>Tank No:</b>	T00001	<b>Address Out:</b>	111 E Town St
<b>Status:</b>	REM - Removed	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Diesel	<b>State Out:</b>	OH
<b>UST Capacity:</b>	12000	<b>Zip Out:</b>	43215-5153
<b>Label:</b>	25000254 GREYHOUND LINES, INC. #250338	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95868	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99564		

<b>Tank No:</b>	T00003	<b>Address Out:</b>	111 E Town St
<b>Status:</b>	CIU - Currently In Use	<b>City Out:</b>	Columbus
<b>Tank Content:</b>	Diesel	<b>State Out:</b>	OH
<b>UST Capacity:</b>	12000	<b>Zip Out:</b>	43215-5153
<b>Label:</b>	25000254 GREYHOUND LINES, INC. #250338	<b>Match:</b>	S80
<b>State:</b>	Ohio	<b>LOC QUAL:</b>	MAF3
<b>Lat:</b>	39.95868	<b>LOC CONF:</b>	1
<b>Lon:</b>	-82.99564		

<a href="#">33</a>	1 of 4	ENE	0.22 / 1,184.47	760.51 / 6	CENTRAL BENEFITS 255 E MAIN ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>	251113500.0	<b>Class:</b>	D
<b>Release No:</b>	25010208 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	CNL: Closure report reviewed but no letter has been	<b>Rules:</b>	
<b>Sub Status:</b>		<b>Coordinator:</b>	David Israel
<b>Release Date:</b>	4/30/1991	<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	39.956823
<b>Last Update:</b>		<b>Facility Longitude:</b>	-82.992642
<b>Last Update Date:</b>	4/28/2012	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	7/26/2007	<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	3		

<a href="#">33</a>	2 of 4	ENE	0.22 / 1,184.47	760.51 / 6	CENTRAL BENEFITS 255 E MAIN ST COLUMBUS OH 43215	UST
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**Facility No:** 25010208  
**Facility No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**Zip (Web):**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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County (Web):  
 Latitude (Web):  
 Longitude (Web):  
 State (Web):  
 Facility No (Web2): 25010208  
 Facility Name (Web2): CENTRAL BENEFITS  
 Address (Web2): 255 E MAIN ST  
 City (Web2): COLUMBUS  
 Zip (Web2): 43215  
 Latitude (Web2): 39.956823  
 Longitude (Web2): -82.992642  
 State (Web2): Ohio  
 County (Web2): Franklin  
 Fac No (Map):  
 Fac Name (Map):  
 Address (Map):  
 City (Map):  
 State (Map):  
 Zip (Map):  
 County (Map):  
 Latitude (Map):  
 Longitude (Map):  
 Address (OTTER): 255 E MAIN ST  
 City (OTTER): COLUMBUS  
 State (OTTER):  
 Zip (OTTER): 43215  
 County (OTTER): Franklin  
 Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks (Web2)

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

Old Incident ID:  
 Tank Status: No Tanks Available  
 Facility URL: <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUri=%2ffire%2fOTTER%2fInquiry%2fInquiry#14351>  
 Release No URL:  
 Date Reported:  
 Own Business Name: CENTRAL BENEFITS

**Underground Storage Tanks Lookup - List of Inactive Underground Storage Tanks**

Tank No:	T00001	Date Last Used:	
Status:	REM - Removed	UST Capacity:	12000
UST:	UST	Tank Content:	Heating Oil
Regulated:	NO	Abandon Approve:	
Facility Type:	Unknown	UST Configurations:	
Installation Date:		CAS No:	
Date Removed:	04/30/1991	Sensitive Area:	NO
Date TCL Closed:		Dt of Sensitivity:	
Owner Name:			
Owner Address:			
Owner City:			
Owner State:			
Owner Zip:			
Construction:			
Construction Comments:			
Overfill Prevention:			
Overfill Prev Comments:			
Prmry Release Detection:			
2ndry Release Detection:			
Release Detect Comments:			
Spill Prevention Manholes:			
Spill Prev Manhole Comment:			
Corrosion Protections:			
Corrosion Protect Comments:			
Piping Configuration:			
Piping Config Comment:			
Piping Styles:			
Piping Construction:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Piping Construct Comments:  
Piping Corrosion Protection:  
Piping Corr Protect Comments:  
Piping Release Detection:  
Piping Rel Detect Comments:  
Comments:

<a href="#">33</a>	3 of 4	ENE	0.22 / 1,184.47	760.51 / 6	CENTRAL BENEFITS 255 E MAIN ST COLUMBUS OH 43215	LUST
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Release No: 25010208-N00001  
Release No (Map): 25010208 - N00001  
Facility Name (Map): CENTRAL BENEFITS  
Address (Map): 255 E MAIN ST  
City (Map): COLUMBUS  
Zip (Map): 43215  
Latitude (Map): 39.95658  
Longitude (Map): -82.99282  
Release No (Web):  
Facility Name (Web):  
Address (Web):  
City (Web):  
State (Web):  
Zip (Web):  
County (Web):  
Latitude (Web):  
Longitude (Web):  
Release No (BUSTR): 25010208 - N00001  
Facility Name (BUSTR): CENTRAL BENEFITS  
Address (BUSTR): 255 E MAIN ST  
City (BUSTR): COLUMBUS  
State (BUSTR): Ohio  
Zip (BUSTR): 43215  
County (BUSTR): Franklin  
Latitude (BUSTR): 39.956823  
Longitude (BUSTR): -82.992642  
Release No (OTTER):  
Fac No and Name(OTTER):  
Address (OTTER):  
City (OTTER):  
State (OTTER):  
Zip (OTTER):  
County (OTTER):  
Data Source: Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

Object ID:	13966	Lat:	39.95658
FR Status:	CNL: Closure report reviewed but no letter has bee	Long:	-82.99282
Release No:	25010208 - N00001	Match:	S80
Address Out:	255 E Main St	LOC QUAL:	MAF3
City Out:	Columbus	Facility Z:	43215
State Out:	OH	Loc Conf:	1
ZIP Out:	43215-5222	Date Processed:	1/1/1970, 12:36 AM
Label:	25010208 - N00001 CENTRAL BENEFITS		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

Incident No:	251113500.0	Facility Name:	CENTRAL BENEFITS
Status:	CLO: Closure	Facility Address:	255 E MAIN ST
Release Date:	5/30/1991	Facility City:	COLUMBUS
Last Status Updated:	12/30/2021	Facility State:	Ohio
Substatus:	Submitted	Facility ZIP:	43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Priority:</b>	2				<b>Facility Latitude:</b> 39.956823	
<b>Class:</b>	D				<b>Facility Longitude:</b> -82.992642	
<b>Rules:</b>	1992				<b>Last Review Date:</b> 5/30/1991	
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> Charles Zepp	
<b>LTF:</b>	2 SUS/CON from non-regulated UST				<b>Last Update Date:</b> 12/30/2021	
<b>Rating:</b>	0				<b>County:</b> Franklin	
<b>Sequence No:</b>	6366					
<b>Class Desc:</b>	A viable RP has been identified					

<a href="#">33</a>	4 of 4	ENE	0.22 / 1,184.47	760.51 / 6	CENTRAL BENEFITS MUTUAL INS CO 255 E MAIN ST COLUMBUS OH 43215	RCRA NON GEN
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**EPA Handler ID:** OHD987047438  
**Gen Status Universe:** No Report  
**Contact Name:**  
**Contact Address:**  
**Contact Phone No and Ext:**  
**Contact Email:**  
**Contact Country:**  
**County Name:** FRANKLIN  
**EPA Region:** 05  
**Land Type:** Private  
**Receive Date:** 20210506  
**Location Latitude:** 39.95658  
**Location Longitude:** -82.992816

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19921009  
**Handler Name:** CENTRAL BENEFITS MUTUAL INS CO  
**Source Type:** Notification  
**Federal Waste Generator Code:** 2  
**Generator Code Description:** Small Quantity Generator

#### Waste Code Details

**Hazardous Waste Code:** D001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Waste Code Description:</b>	IGNITABLE WASTE
<b>Hazardous Waste Code:</b>	D035
<b>Waste Code Description:</b>	METHYL ETHYL KETONE
<b>Hazardous Waste Code:</b>	F001
<b>Waste Code Description:</b>	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
<b>Hazardous Waste Code:</b>	F002
<b>Waste Code Description:</b>	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
<b>Hazardous Waste Code:</b>	F003
<b>Waste Code Description:</b>	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
<b>Hazardous Waste Code:</b>	F005
<b>Waste Code Description:</b>	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

**Hazardous Waste Handler Details**

<b>Sequence No:</b>	1
<b>Receive Date:</b>	20210506
<b>Handler Name:</b>	CENTRAL BENEFITS MUTUAL INS CO
<b>Source Type:</b>	Implementer
<b>Federal Waste Generator Code:</b>	N
<b>Generator Code Description:</b>	Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	255 E MAIN ST
<b>Name:</b>	CENTRAL BENEFITS MUTUAL INS CO	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	COLUMBUS
<b>Date Ended Current:</b>		<b>State:</b>	OH
<b>Phone:</b>	614-464-5891	<b>Country:</b>	
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	43215

**Historical Handler Details**

<b>Receive Dt:</b>	19921009
<b>Generator Code Description:</b>	Small Quantity Generator
<b>Handler Name:</b>	CENTRAL BENEFITS MUTUAL INS CO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">34</a>	1 of 1	WNW	0.23 / 1,206.92	762.82 / 8	SWAN SUPER CLEANERS NO 11 255 S HIGH ST Columbus OH 43215	DRYCLEANERS

**Facility ID:** 01-25-01-1191  
**Facility Name:** SWAN SUPER CLEANERS NO 11  
**Address:** 255 S HIGH ST  
**City:** Columbus  
**Zip Code:** 43215  
**State:** OH  
**County:** Franklin  
**Address2:**  
**Source:** Electronic Copies of Issued Permits (EPA Web Search); EPA Dry Cleaning Facility List

**Electronic Copies of Issued Permits Details**

**Permit No:** P0116018  
**Permit Type:** Permit-To-Install and Operate  
**Pdf Document ID:** 1085582  
**Permit Description:** Initial PTIO for Union L740 machine that replaces Detrex dry cleaning machine  
**Issuance Type:** Final Issuance  
**Issuance Date:** 12/26/2013  
**Reason:** Initial installation

**Permit No:** P0082584  
**Permit Type:** Permit-To-Install and Operate  
**Pdf Document ID:** 587403  
**Permit Description:** PTIO General Permit Renewal for PERC Detrex Dry-To-Dry Cleaning Machine with 75-pounds capacity  
**Issuance Type:** Final Issuance  
**Issuance Date:** 05/02/2012  
**Reason:** Renewal

**EPA Dry Cleaning Facility Details**

**NAICS Code:** 812320  
**SIC Code:** 7216  
**EPA Emu ID:** D001  
**Operat Status Cd:** sd  
**Contact Type Cd:** prim  
**First Name:** Brady  
**Last Name:** Armour  
**Address:** 5000 Sinclair Rd  
**Address2:**  
**City:** Columbus  
**State:** OH  
**Phone No:** 6144425000  
**Email Address:** barmour@swancleaners.com  
**Zip5:** 43220  
**Zip4:**  
**Lat Deg:** 39  
**Lat Min:** 56  
**Lat Sec:** 59  
**Long Deg:** -82  
**Long Min:** 59  
**Long Sec:** 54  
**Emission Unit ID:** Perc Cleaning facility  
**EU Desc:** PERC Detrex Dry-To-Dry Cleaning Machine with 75-pounds capacity

**EPA Dry Cleaning Facility Details**

**NAICS Code:** 812320  
**SIC Code:** 7216  
**EPA Emu ID:** D002  
**Operat Status Cd:** ni  
**Contact Type Cd:** prim  
**First Name:** Brady  
**Last Name:** Armour  
**Address:** 5000 Sinclair Rd  
**Address2:**  
**City:** Columbus  
**State:** OH  
**Phone No:** 6144425000  
**Email Address:** barmour@swancleaners.com  
**Zip5:** 43220  
**Zip4:**  
**Lat Deg:** 39  
**Lat Min:** 56  
**Lat Sec:** 59  
**Long Deg:** -82  
**Long Min:** 59  
**Long Sec:** 54  
**Emission Unit ID:** PERC Cleaning Facility  
**EU Desc:** PERC Union L740 dry-to-dry Cleaning Machine

<a href="#">35</a>	1 of 1	WNW	0.23 / 1,231.88	762.82 / 8	SWAN CLEANERS #11 247 S HIGH ST COLUMBUS OH 43215	RCRA NON GEN
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**EPA Handler ID:** OHD008928962  
**Gen Status Universe:** No Report  
**Contact Name:** MILLIE MINEHART

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Contact Address:</b>		247 S HIGH ST , , COLUMBUS , OH, 43215 , US				
<b>Contact Phone No and Ext:</b>		614-224-1446				
<b>Contact Email:</b>						
<b>Contact Country:</b>		US				
<b>County Name:</b>		FRANKLIN				
<b>EPA Region:</b>		05				
<b>Land Type:</b>						
<b>Receive Date:</b>		20210713				
<b>Location Latitude:</b>		39.95694				
<b>Location Longitude:</b>		-82.999994				

#### Violation/Evaluation Summary

**Note:** NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

#### Handler Summary

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 19860506  
**Handler Name:** SWAN CLEANERS 11  
**Source Type:** Notification  
**Federal Waste Generator Code:** 2  
**Generator Code Description:** Small Quantity Generator

#### Waste Code Details

**Hazardous Waste Code:** F002  
**Waste Code Description:** THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

#### Hazardous Waste Handler Details

**Sequence No:** 1  
**Receive Date:** 20210713  
**Handler Name:** SWAN CLEANERS #11  
**Source Type:** Deactivation  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	ADDRESS NOT REPORTED
<b>Name:</b>	NAME NOT REPORTED	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	CITY NOT REPORTED
<b>Date Ended Current:</b>		<b>State:</b>	AK
<b>Phone:</b>	312-555-1212	<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	99998

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	ADDRESS NOT REPORTED
<b>Name:</b>	SWAN CLEANERS INC	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	CITY NOT REPORTED
<b>Date Ended Current:</b>		<b>State:</b>	AK
<b>Phone:</b>	312-555-1212	<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	99998

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	ADDRESS NOT REPORTED
<b>Name:</b>	SWAN CLEANERS INC	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	CITY NOT REPORTED
<b>Date Ended Current:</b>		<b>State:</b>	AK
<b>Phone:</b>	312-555-1212	<b>Country:</b>	US
<b>Source Type:</b>	Deactivation	<b>Zip Code:</b>	99998

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Private	<b>Street 1:</b>	ADDRESS NOT REPORTED
<b>Name:</b>	NAME NOT REPORTED	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	CITY NOT REPORTED
<b>Date Ended Current:</b>		<b>State:</b>	AK
<b>Phone:</b>	312-555-1212	<b>Country:</b>	US
<b>Source Type:</b>	Deactivation	<b>Zip Code:</b>	99998

**Historical Handler Details**

<b>Receive Dt:</b>	19860506
<b>Generator Code Description:</b>	Small Quantity Generator
<b>Handler Name:</b>	SWAN CLEANERS 11

<a href="#">36</a>	1 of 1	ESE	0.24 / 1,265.93	756.37 / 2	NATIONWIDECCHILD NCH-W30 EV 4 249 E Livingston Ave Columbus OH 43215	ALT FUELS
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<b>ID:</b>	149932	<b>CNG Dispenser No:</b>	
<b>Fuel Type Code:</b>	ELEC: Electric	<b>CNG Site Renew Src:</b>	
<b>Station Phone:</b>	888-758-4389	<b>CNG Tot Compr Cap:</b>	
<b>Expected Date:</b>		<b>CNG Storage Cap:</b>	
<b>BD Blends:</b>		<b>CNG Fill Type Code:</b>	
<b>NG PSI:</b>		<b>CNG PSI:</b>	
<b>Federal Agency ID:</b>		<b>CNG Vehicle Class:</b>	
<b>Open Date:</b>	2019-12-12	<b>LNG Site Renew Src:</b>	
<b>Hydrogen is Retail:</b>		<b>LNG Vehicle Class:</b>	
<b>Federal Agency:</b>		<b>LPG Nozzle Types:</b>	
<b>Facility Type:</b>		<b>Hydrogen Pressures:</b>	
<b>Dt Last Confirmed:</b>	2024-04-30	<b>Hydrogen Standards:</b>	
<b>Updated at:</b>	2024-04-30 00:51:42 UTC	<b>Latitude:</b>	39.952637
<b>Access Code:</b>	public	<b>Longitude:</b>	-82.991905
<b>Access Detail Code:</b>			
<b>Groups with Access Code:</b>	Public		
<b>Groups with Access Code Fr:</b>	Public		
<b>Fed Agency Name:</b>			
<b>Hydrogen Status Link:</b>			
<b>E85 Other Ethanol Blends:</b>			
<b>NPS Unit Name:</b>			
<b>Cards Accepted:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**CNG Statn Sells Renewable Na:**  
**LNG Statn Sells Renewable Na:**  
**Maximum Vehicle Class:**  
**RD Blended With Biodiesel:**  
**RD Blends:**  
**RD Blends French:**  
**RD Maximum Biodiesel Level:**  
**Status:** Open: The station is open.  
**Owner Type Desc:**  
**E85 Blender Pump Desc:**  
**NG Fill Type Desc:**  
**NG Vehicle Class Desc:**  
**Geocode Status Desc:** The location is from a real GPS readout at the station.  
**Group with Access Desc:** Publicly available to all customers.  
**LPG Primary Desc:**  
**Intersection Directions:**  
**Access Days Time:** 24 hours daily  
**Restricted Access:**  
**Ev Workplace Charging:** false

<a href="#">37</a>	1 of 1	W	0.27 / 1,405.84	750.84 / -4	CERTIFIED OIL CO 303 S FRONT ST COLUMBUS OH 43215	LUST
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**Release No:** 25010422-N00001  
**Release No (Map):** 25010422 - N00001  
**Facility Name (Map):** CERTIFIED OIL CO(3K W/O TK)  
**Address (Map):** 303 S FRONT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95571  
**Longitude (Map):** -83.00139  
**Release No (Web):** 25010422-N00001  
**Facility Name (Web):** CERTIFIED OIL CO  
**Address (Web):** 303 S FRONT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.955634  
**Longitude (Web):** -83.001393  
**Release No (BUSTR):** 25010422 - N00001  
**Facility Name (BUSTR):** CERTIFIED OIL CO  
**Address (BUSTR):** 303 S FRONT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.955634  
**Longitude (BUSTR):** -83.001393  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010422 (CERTIFIED OIL CO)  
**Address (OTTER):** 303 S FRONT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	2/10/1998
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	02/10/1998
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Release Date: 09/11/1997 Class: D  
 Class Description: A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

Old Incident ID: 257103000.0 Date Reported: 9/11/1997  
 Tank Status: No Tanks Available Owner Busi Name: CERTIFIED OIL CO(3K W/O TK)  
 Facility: 25010422 (CERTIFIED OIL CO)  
 Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14624  
 Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18845

**BUSTR Map: All Environmental**

Object ID:	14168	Lat:	39.95571
FR Status:	NFA: No Further Action	Long:	-83.00139
Release No:	25010422 - N00001	Match:	S80
Address Out:	303 S Front St	LOC QUAL:	MAF3
City Out:	Columbus	Facility Z:	43215
State Out:	OH	Loc Conf:	1
ZIP Out:	43215-5178	Date Processed:	1/1/1970, 12:36 AM
Label:	25010422 - N00001 CERTIFIED OIL CO(3K W/O TK)		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

Incident No:	257103000.0	Facility Name:	CERTIFIED OIL CO
Status:	NFA: No Further Action	Facility Address:	303 S FRONT ST
Release Date:	9/11/1997	Facility City:	COLUMBUS
Last Status Updated:	2/10/1998	Facility State:	Ohio
Substatus:	Approved	Facility ZIP:	43215
Priority:	2	Facility Latitude:	39.955634
Class:	D	Facility Longitude:	-83.001393
Rules:	1992	Last Review Date:	2/10/1998
Coordinator:	David Israel	Last Update:	Charles Zepp
LTF:	6 Closure of regulated UST	Last Update Date:	1/28/2022
Rating:		County:	Franklin
Sequence No:	6541		
Class Desc:	A viable RP has been identified		

<a href="#">38</a>	1 of 7	W	0.27 / 1,411.62	754.27 / 0	CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215	LUST
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Release No: 25000758-N00001  
 Release No (Map): 25000758 - N00001  
 Facility Name (Map): CERTIFIED OIL CO. #4  
 Address (Map): 74 W MOUND ST  
 City (Map): COLUMBUS  
 Zip (Map): 43215  
 Latitude (Map): 39.95484  
 Longitude (Map): -83.00142  
 Release No (Web): 25000758-N00001  
 Facility Name (Web): CERTIFIED OIL CO. #4  
 Address (Web): 74 W MOUND ST  
 City (Web): COLUMBUS  
 State (Web): OH  
 Zip (Web): 43215  
 County (Web): Franklin  
 Latitude (Web): 39.95476  
 Longitude (Web): -83.00149  
 Release No (BUSTR): 25000758 - N00001  
 Facility Name (BUSTR): CERTIFIED OIL CO. #4  
 Address (BUSTR): 74 W MOUND ST  
 City (BUSTR): COLUMBUS  
 State (BUSTR): Ohio  
 Zip (BUSTR): 43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.95476				
<b>Longitude (BUSTR):</b>		-83.00149				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25000758 (CERTIFIED OIL CO. #4)				
<b>Address (OTTER):</b>		74 W MOUND ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>		43215				
<b>Zip (OTTER):</b>		Franklin				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	6/19/2002
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	06/18/2002
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	04/18/1989	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	25926701.0	<b>Date Reported:</b>	4/18/1989
<b>Tank Status:</b>	Active	<b>Owner Busi Name:</b>	CERTIFIED OIL CO
<b>Facility:</b>	25000758 (CERTIFIED OIL CO. #4)		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9510		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20061		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12215	<b>Lat:</b>	39.95484
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.00142
<b>Release No:</b>	25000758 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	74 W Mound St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5018	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000758 - N00001 CERTIFIED OIL CO. #4		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	25926701.0	<b>Facility Name:</b>	CERTIFIED OIL CO. #4
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	74 W MOUND ST
<b>Release Date:</b>	4/18/1989	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	6/19/2002	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.95476
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.00149
<b>Rules:</b>	1999	<b>Last Review Date:</b>	6/18/2002
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	David Israel
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	1/30/2024
<b>Rating:</b>	5	<b>County:</b>	Franklin
<b>Sequence No:</b>	6745		
<b>Class Desc:</b>	A viable RP has been identified		

[38](#) 2 of 7 W 0.27 / 1,411.62 754.27 / 0 CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215 LUST

Release No: 25000758-N00002  
 Release No (Map): 25000758 - N00002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Name (Map):** CERTIFIED OIL CO. #4  
**Address (Map):** 74 W MOUND ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95484  
**Longitude (Map):** -83.00142  
**Release No (Web):** 25000758-N00002  
**Facility Name (Web):** CERTIFIED OIL CO. #4  
**Address (Web):** 74 W MOUND ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.95476  
**Longitude (Web):** -83.00149  
**Release No (BUSTR):** 25000758 - N00002  
**Facility Name (BUSTR):** CERTIFIED OIL CO. #4  
**Address (BUSTR):** 74 W MOUND ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.95476  
**Longitude (BUSTR):** -83.00149  
**Release No (OTTER):** N00002  
**Fac No and Name(OTTER):** 25000758 (CERTIFIED OIL CO. #4)  
**Address (OTTER):** 74 W MOUND ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	8/23/2011
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	08/22/2011
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	04/15/2005	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	4/15/2005
<b>Tank Status:</b>	Active	<b>Owner Busi Name:</b>	CERTIFIED OIL CO
<b>Facility:</b>	25000758 (CERTIFIED OIL CO. #4)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9510">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9510</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14709">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14709</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12216	<b>Lat:</b>	39.95484
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.00142
<b>Release No:</b>	25000758 - N00002	<b>Match:</b>	S80
<b>Address Out:</b>	74 W Mound St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5018	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000758 - N00002 CERTIFIED OIL CO. #4		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Incident No:</b>				<b>Facility Name:</b> CERTIFIED OIL CO. #4		
<b>Status:</b>		NFA: No Further Action		<b>Facility Address:</b> 74 W MOUND ST		
<b>Release Date:</b>		4/15/2005		<b>Facility City:</b> COLUMBUS		
<b>Last Status Updated:</b>		8/23/2011		<b>Facility State:</b> Ohio		
<b>Substatus:</b>		Approved		<b>Facility ZIP:</b> 43215		
<b>Priority:</b>		2		<b>Facility Latitude:</b> 39.95476		
<b>Class:</b>		D		<b>Facility Longitude:</b> -83.00149		
<b>Rules:</b>		2005		<b>Last Review Date:</b> 8/22/2011		
<b>Coordinator:</b>		David Israel		<b>Last Update:</b> Charles Zepp		
<b>LTF:</b>		1 SUS/CON from regulated UST		<b>Last Update Date:</b> 1/9/2023		
<b>Rating:</b>		17		<b>County:</b> Franklin		
<b>Sequence No:</b>		6746				
<b>Class Desc:</b>		A viable RP has been identified				

<a href="#">38</a>	3 of 7	W	0.27 / 1,411.62	754.27 / 0	CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>				<b>Class:</b> A	
<b>Release No:</b>		25000758 - N00003		<b>Class Desc:</b> A Responsible Party (RP) for the release has not yet been determined	
<b>Status:</b>		RPT: a possible incident is reported		<b>Rules:</b> 1999	
<b>Sub Status:</b>		Approved		<b>Coordinator:</b> BUSTR Admin	
<b>Release Date:</b>		4/18/1989		<b>County:</b> Franklin	
<b>LTF:</b>		5 Petro incident, not from spill/overflow/release		<b>Facility Latitude:</b> 39.9547	
<b>Last Update:</b>		Charles Zepp		<b>Facility Longitude:</b> -83.001306	
<b>Last Update Date:</b>		4/25/2013		<b>Original Source:</b> NLUT	
<b>Last Status Update:</b>		4/25/2013		<b>Record Date:</b> 09-OCT-2019	
<b>Priority:</b>		2			

<a href="#">38</a>	4 of 7	W	0.27 / 1,411.62	754.27 / 0	CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25000758-N00004
<b>Release No (Map):</b>	25000758 - N00004
<b>Facility Name (Map):</b>	CERTIFIED OIL CO. #4
<b>Address (Map):</b>	74 W MOUND ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.95484
<b>Longitude (Map):</b>	-83.00142
<b>Release No (Web):</b>	25000758-N00004
<b>Facility Name (Web):</b>	CERTIFIED OIL CO. #4
<b>Address (Web):</b>	74 W MOUND ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.95476
<b>Longitude (Web):</b>	-83.00149
<b>Release No (BUSTR):</b>	25000758 - N00004
<b>Facility Name (BUSTR):</b>	CERTIFIED OIL CO. #4
<b>Address (BUSTR):</b>	74 W MOUND ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.95476
<b>Longitude (BUSTR):</b>	-83.00149
<b>Release No (OTTER):</b>	N00004
<b>Fac No and Name(OTTER):</b>	25000758 (CERTIFIED OIL CO. #4)
<b>Address (OTTER):</b>	74 W MOUND ST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City (OTTER):		COLUMBUS				
State (OTTER):						
Zip (OTTER):		43215				
County (OTTER):		Franklin				
Data Source:		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	8/28/2019
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	08/28/2019
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	
<b>Release Date:</b>	01/04/2016	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	1/4/2016
<b>Tank Status:</b>	Active	<b>Owner Busi Name:</b>	CERTIFIED OIL CO
<b>Facility:</b>	25000758 (CERTIFIED OIL CO. #4)		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9510		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38336		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12218	<b>Lat:</b>	39.95484
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.00142
<b>Release No:</b>	25000758 - N00004	<b>Match:</b>	S80
<b>Address Out:</b>	74 W Mound St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5018	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000758 - N00004 CERTIFIED OIL CO. #4		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	CERTIFIED OIL CO. #4
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	74 W MOUND ST
<b>Release Date:</b>	1/4/2016	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	8/28/2019	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>		<b>Facility Latitude:</b>	39.95476
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.00149
<b>Rules:</b>	2012	<b>Last Review Date:</b>	8/28/2019
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Kelly Gill
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	8/28/2019
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	6748		
<b>Class Desc:</b>	A viable RP has been identified		

<b>38</b>	<b>5 of 7</b>	<b>W</b>	<b>0.27 / 1,411.62</b>	<b>754.27 / 0</b>	<b>CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215</b>	<b>DELISTED LST</b>
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>		<b>Class:</b>	D
<b>Release No:</b>	25000758 - N00004	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	T1: Tier 1 Investigation	<b>Rules:</b>	2012
<b>Sub Status:</b>	Approved	<b>Coordinator:</b>	David Israel

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Release Date:</b>	1/4/2016				<b>County:</b>	Franklin
<b>LTF:</b>	1 SUS/CON from regulated UST				<b>Facility Latitude:</b>	39.9547
<b>Last Update:</b>	David Israel				<b>Facility Longitude:</b>	-83.001306
<b>Last Update Date:</b>	9/24/2018				<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	9/24/2018				<b>Record Date:</b>	14-JAN-2019
<b>Priority:</b>						

<a href="#">38</a>	6 of 7	W	0.27 / 1,411.62	754.27 / 0	CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25000758-N00003
<b>Release No (Map):</b>	25000758 - N00003
<b>Facility Name (Map):</b>	CERTIFIED OIL CO. #4
<b>Address (Map):</b>	74 W MOUND ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.95484
<b>Longitude (Map):</b>	-83.00142
<b>Release No (Web):</b>	
<b>Facility Name (Web):</b>	
<b>Address (Web):</b>	
<b>City (Web):</b>	
<b>State (Web):</b>	
<b>Zip (Web):</b>	
<b>County (Web):</b>	
<b>Latitude (Web):</b>	
<b>Longitude (Web):</b>	
<b>Release No (BUSTR):</b>	25000758 - N00003
<b>Facility Name (BUSTR):</b>	CERTIFIED OIL CO. #4
<b>Address (BUSTR):</b>	74 W MOUND ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.95476
<b>Longitude (BUSTR):</b>	-83.00149
<b>Release No (OTTER):</b>	
<b>Fac No and Name(OTTER):</b>	
<b>Address (OTTER):</b>	
<b>City (OTTER):</b>	
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	
<b>County (OTTER):</b>	
<b>Data Source:</b>	Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12217	<b>Lat:</b>	39.95484
<b>FR Status:</b>	RPT: a possible incident is reported	<b>Long:</b>	-83.00142
<b>Release No:</b>	25000758 - N00003	<b>Match:</b>	S80
<b>Address Out:</b>	74 W Mound St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5018	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000758 - N00003 CERTIFIED OIL CO. #4		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	25926700.0	<b>Facility Name:</b>	CERTIFIED OIL CO. #4
<b>Status:</b>	RPT: a possible incident is reported	<b>Facility Address:</b>	74 W MOUND ST
<b>Release Date:</b>	4/18/1989	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	4/25/2013	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.95476

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Class:</b>	A				<b>Facility Longitude:</b>	-83.00149
<b>Rules:</b>	1999				<b>Last Review Date:</b>	4/25/2013
<b>Coordinator:</b>					<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	5 Petro incident, not from spill/overflow/release				<b>Last Update Date:</b>	1/9/2023
<b>Rating:</b>					<b>County:</b>	Franklin
<b>Sequence No:</b>	6747					
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined					

[38](#) 7 of 7 W 0.27 / 1,411.62 754.27 / 0 CERTIFIED OIL CO. #4 74 W MOUND ST COLUMBUS OH 43215 LUST

**Release No:** 25000758-N00005  
**Release No (Map):**  
**Facility Name (Map):**  
**Address (Map):**  
**City (Map):**  
**Zip (Map):**  
**Latitude (Map):**  
**Longitude (Map):**  
**Release No (Web):** 25000758-N00005  
**Facility Name (Web):** CERTIFIED OIL CO. #4  
**Address (Web):** 74 W MOUND ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.95476  
**Longitude (Web):** -83.00149  
**Release No (BUSTR):** 25000758 - N00005  
**Facility Name (BUSTR):** CERTIFIED OIL CO. #4  
**Address (BUSTR):** 74 W MOUND ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.95476  
**Longitude (BUSTR):** -83.00149  
**Release No (OTTER):** N00005  
**Fac No and Name(OTTER):** 25000758 (CERTIFIED OIL CO. #4)  
**Address (OTTER):** 74 W MOUND ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Active and Inactive Registered Underground Storage Tanks (BUSTR)

#### Facility Details with Active & Inactive Environmental Files

**Facility Status:** Active **Date Last Change:** 2/16/2022  
**LTF Status:** 6 Closure of regulated UST **Review Date:** 02/16/2022  
**FR Status:** CSN: Closure Sampling Not Required **Priority:**  
**Release Date:** 01/25/2022 **Class:** D  
**Class Description:** A viable RP has been identified

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

**Old Incident ID:**  
**Tank Status:** Active **Date Reported:** 1/25/2022  
**Facility:** 25000758 (CERTIFIED OIL CO. #4) **Owner Busi Name:** CERTIFIED OIL CO  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9510>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=60783>

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Incident No:**  
**Status:** CSN: Closure Sampling Not Required  
**Release Date:** 1/25/2022  
**Last Status Updated:** 2/16/2022  
**Substatus:** Approved  
**Priority:**  
**Class:** D  
**Rules:** 2017  
**Coordinator:** David Israel  
**LTF:** 6 Closure of regulated UST  
**Rating:**  
**Sequence No:** 6749  
**Class Desc:** A viable RP has been identified

**Facility Name:** CERTIFIED OIL CO. #4  
**Facility Address:** 74 W MOUND ST  
**Facility City:** COLUMBUS  
**Facility State:** Ohio  
**Facility ZIP:** 43215  
**Facility Latitude:** 39.95476  
**Facility Longitude:** -83.00149  
**Last Review Date:** 2/16/2022  
**Last Update:** Scott Sigler  
**Last Update Date:** 2/16/2022  
**County:** Franklin

<a href="#">39</a>	1 of 3	NW	0.27 / 1,429.03	762.76 / 8	LC RiverSouth Redevelopment 203-213 & 221 South High St Columbus OH 43215-	DERR
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**DERR ID (Map):** 125003063  
**CERCLIS ID (Map):**  
**Activity (Map):** COF - Clean Ohio Fund; VAP - Voluntary Action Program  
**Name (Map):** LC RiverSouth Redevelopment  
**Address (Map):** 203-213 & 221 South High St  
**City (Map):** Columbus  
**Zip (Map):** 43215-  
**County (Map):** Franklin  
**Latitude (Map):** 39.95759  
**Longitude (Map):** -83.000232  
**OEPA Distrt (Map):** CDO  
**ODOT Distrt (Map):** 6  
**Data Source:** Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**DERR ID:** 125003063  
**CERCLIS ID:**  
**Activity:** COF - Clean Ohio Fund; VAP - Voluntary Action Program  
**Name:** LC RiverSouth Redevelopment  
**Address:** 203-213 & 221 South High St  
**City:** Columbus  
**Postal Code:** 43215-  
**County:** Franklin  
**Latitude:**  
**Longitude:**  
**District:** CDO

**Map Services Directory: DERR Database (OEPA-DERR)**

**Latitude:** 39.95759  
**Longitude:** -83.000232  
**Alias:**  
**X:** -83.00022780179867  
**Y:** 39.95758225656582

<a href="#">39</a>	2 of 3	NW	0.27 / 1,429.03	762.76 / 8	LC RiverSouth Redevelopment 203-213 & 221 South High St Columbus OH 43215-	VCP
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**Site ID (Map):** 125003063  
**Name (Map):** LC RiverSouth Redevelopment  
**Address (Map):** 203-213 & 221 South High St  
**Address2 (Map):**  
**City (Map):** Columbus  
**County (Map):** Franklin  
**Zip code (Map):** 43215-  
**Latitude (Map):** 39.95759; 39.957754  
**Longitude (Map):** -83.000232; -83.000286  
**OEPA District (Map):** CDO  
**ODOT District (Map):** 6  
**Data Source:** Ohio EPA: List of All VAP Sites; Map Services Directory: VAP Sites (OEPA-DERR) (Map)

**Site ID:** 125003063  
**Name:** LC RiverSouth Redevelopment  
**Street Address:** 203-213 & 221 South High St  
**Street Address 2:**  
**City:** Columbus  
**County:** Franklin  
**Postal Code:** 43215-  
**Latitude:**  
**Longitude:**  
**EPA District:** CDO

**Ohio EPA: All VAP Site Details**

**Alias Name:**  
**Old Program ID:** 15NFA612  
**Project Type Desc:** NFA 30 Day

**Alias Name:**  
**Old Program ID:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Project Type Desc: VAP Technical Assistance

**Map Services Directory: VAP Site (OEPA-DERR) Details**

Project Type: NFA 30 Day  
 Old Program ID: 15NFA612  
 Latitude: 39.957754  
 Longitude: -83.000286  
 Y: 39.957746256707296  
 X: -83.00028180129792

Project Type: VAP Technical Assistance  
 Old Program ID:  
 Latitude: 39.95759  
 Longitude: -83.000232  
 Y: 39.95758225656582  
 X: -83.00022780179867

<a href="#">39</a>	3 of 3	NW	0.27 / 1,429.03	762.76 / 8	LC RiverSouth Redevelopment 203-213 and 221 South High St Columbus OH	VAP CNS
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Core Place ID:	424430	Bustr Cleanup NFA:	
Parent ID:	125003063	Dt Notice Snt Bustr:	
Project ID:	125003063003	Days Start to Fin:	201
NFA No:	15NFA612	End Date:	8/5/2015
Status:	Issued	Acreage:	0.54
Type:	NFA 30 Day	District:	CDO
CP No:	CP265	County:	Franklin
CP Name:	Savage, B	Submitted Lat:	
Funding Code:	CNFA	Submitted Long:	
Received:	1/16/2015	Latitude:	
Start Date:	1/16/2015	Longitude:	
Work Activity:	LC RiverSouth Redevelopmen - NFA30 - 125003063003		
Comments:			

<a href="#">40</a>	1 of 1	WSW	0.30 / 1,608.86	747.62 / -7	VACANT LOT 451-461 S LUDLOW ST COLUMBUS OH 43215	LUST
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Release No: 25007574-N00001  
 Release No (Map): 25007574 - N00001  
 Facility Name (Map): VACANT LOT  
 Address (Map): 451-461 S LUDLOW ST  
 City (Map): COLUMBUS  
 Zip (Map): 43215  
 Latitude (Map): 39.952439  
 Longitude (Map): -83.001651  
 Release No (Web): 25007574-N00001  
 Facility Name (Web): VACANT LOT  
 Address (Web): 451-461 S LUDLOW ST  
 City (Web): COLUMBUS  
 State (Web): OH  
 Zip (Web): 43215  
 County (Web): Franklin  
 Latitude (Web): 39.954722  
 Longitude (Web): -83.002045  
 Release No (BUSTR): 25007574 - N00001  
 Facility Name (BUSTR): VACANT LOT  
 Address (BUSTR): 451-461 S LUDLOW ST  
 City (BUSTR): COLUMBUS  
 State (BUSTR): Ohio  
 Zip (BUSTR): 43215  
 County (BUSTR): Franklin  
 Latitude (BUSTR): 39.954722

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Longitude (BUSTR):</b>		-83.002045				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25007574 (VACANT LOT)				
<b>Address (OTTER):</b>		451-461 S LUDLOW ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	11/17/1999
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	11/17/1999
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	10/27/1999	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	259081800.0	<b>Date Reported:</b>	10/27/1999
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	WASSERTORM
<b>Facility:</b>	25007574 (VACANT LOT)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9456">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9456</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19377">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19377</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13497	<b>Lat:</b>	39.952439
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.001651
<b>Release No:</b>	25007574 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	451-461 S Ludlow St	<b>LOC QUAL:</b>	AS0
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5647	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25007574 - N00001 VACANT LOT		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	259081800.0	<b>Facility Name:</b>	VACANT LOT
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	451-461 S LUDLOW ST
<b>Release Date:</b>	10/27/1999	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	11/17/1999	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.954722
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.002045
<b>Rules:</b>	1992	<b>Last Review Date:</b>	11/17/1999
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	9/15/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	41030		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">41</a>	1 of 1	WSW	0.31 / 1,622.90	747.62 / -7	ICE HOUSE VENTURES LLC 445-455 SOUTH LUDLOW ALLEY COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Incident No:</b>					<b>Class:</b>	A
<b>Release No:</b>	25011107 - N00001				<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined
<b>Status:</b>	RPT: a possible incident is reported				<b>Rules:</b>	2012
<b>Sub Status:</b>	Approved				<b>Coordinator:</b>	David Israel
<b>Release Date:</b>	8/31/2016				<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST				<b>Facility Latitude:</b>	
<b>Last Update:</b>	Charles Zepp				<b>Facility Longitude:</b>	
<b>Last Update Date:</b>	3/27/2020				<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	3/27/2020				<b>Record Date:</b>	25-NOV-2020
<b>Priority:</b>	2					

[42](#) 1 of 1 **WSW** **0.31 / 1,630.44** **744.90 / -10** **ICE HOUSE VENTURES LLC** **445-455 SOUTH LUDLOW ALLEY** **COLUMBUS OH 43215** **LUST**

**Release No:** 25011107-N00001  
**Release No (Map):** 25011107 - N00001  
**Facility Name (Map):** ICE HOUSE VENTURES LLC  
**Address (Map):** 445-455 SOUTH LUDLOW ALLEY  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95272  
**Longitude (Map):** -83.001712

**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**

**Release No (BUSTR):** 25011107 - N00001  
**Facility Name (BUSTR):** ICE HOUSE VENTURES LLC  
**Address (BUSTR):** 445-455 SOUTH LUDLOW ALLEY  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.952574  
**Longitude (BUSTR):** -83.00205

**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**  
**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**

**Data Source:** Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

**Object ID:** 14686  
**FR Status:** RPT: a possible incident is reported  
**Release No:** 25011107 - N00001  
**Address Out:** 445-455 S Ludlow St  
**City Out:** Columbus  
**State Out:** OH  
**ZIP Out:** 43215-5647  
**Label:** 25011107 - N00001 ICE HOUSE VENTURES LLC

**Lat:** 39.95272  
**Long:** -83.001712  
**Match:** S81  
**LOC QUAL:** AS0  
**Facility Z:** 43215  
**Loc Conf:** 2  
**Date Processed:** 1/1/1970, 12:36 AM

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

**Incident No:** **Facility Name:** ICE HOUSE VENTURES LLC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Status:</b>		RPT: a possible incident is reported		<b>Facility Address:</b>		445-455 SOUTH LUDLOW ALLEY
<b>Release Date:</b>		8/31/2016		<b>Facility City:</b>		COLUMBUS
<b>Last Status Updated:</b>		3/27/2020		<b>Facility State:</b>		Ohio
<b>Substatus:</b>		Approved		<b>Facility ZIP:</b>		43215
<b>Priority:</b>		2		<b>Facility Latitude:</b>		39.952574
<b>Class:</b>		A		<b>Facility Longitude:</b>		-83.00205
<b>Rules:</b>		2012		<b>Last Review Date:</b>		3/27/2020
<b>Coordinator:</b>		David Israel		<b>Last Update:</b>		Tanya Nell
<b>LTF:</b>		2 SUS/CON from non-regulated UST		<b>Last Update Date:</b>		7/19/2022
<b>Rating:</b>				<b>County:</b>		Franklin
<b>Sequence No:</b>		18742				
<b>Class Desc:</b>		A Responsible Party (RP) for the release has not yet been determined				

[43](#) 1 of3 N 0.31 / 1,658.47 757.15 / 2 IBM BUILDING 140 E TOWN ST COLUMBUS OH 43215 DELISTED LST

**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>	254146000.0	<b>Class:</b>	D
<b>Release No:</b>	25001003 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	RPT: a possible incident is reported	<b>Rules:</b>	
<b>Sub Status:</b>		<b>Coordinator:</b>	Ray Ladrick
<b>Release Date:</b>		<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	39.959407
<b>Last Update:</b>		<b>Facility Longitude:</b>	-82.995878
<b>Last Update Date:</b>	4/28/2012	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>		<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	3		

[43](#) 2 of3 N 0.31 / 1,658.47 757.15 / 2 IBM BUILDING 140 EAST TOWN STREET COLUMBUS OH 43215 PCB

<b>Site ID:</b>	OHD987056488	<b>Cert Title:</b>	
<b>Receive Date:</b>		<b>Cert Date:</b>	7/23/1993 12:00:00 AM
<b>Generator:</b>	Yes	<b>Cert Name:</b>	
<b>Storer:</b>	No	<b>State Name:</b>	OHIO
<b>Transporter:</b>	No	<b>Region:</b>	05
<b>Disposer:</b>	No	<b>GIS Data Origin:</b>	Auto-Geocoded
<b>Research:</b>	No	<b>Latitude:</b>	39.959278
<b>Smelter:</b>	No	<b>Longitude:</b>	-82.996125
<b>Owner Name:</b>	PARK TOWER COLUMBUS LTD PART.		
<b>Mail Address 1:</b>	140 EAST TOWN STREET		
<b>Mail Address 2:</b>			
<b>Mail Street No:</b>			
<b>Mail City:</b>	COLUMBUS		
<b>Mail State:</b>	OH		
<b>Mail Zip:</b>	43215		
<b>Mail Country:</b>	US		
<b>Contact Name:</b>	SCOTT KRUEGER		
<b>Contact Title:</b>			
<b>Contact Phone:</b>	614-224-8550		
<b>Contact Phone Ext:</b>			
<b>Contact Email:</b>			

[43](#) 3 of3 N 0.31 / 1,658.47 757.15 / 2 IBM BUILDING 140 E TOWN ST COLUMBUS OH 43215 LUST

<b>Release No:</b>	25001003-N00001
<b>Release No (Map):</b>	25001003 - N00001
<b>Facility Name (Map):</b>	IBM BUILDING

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Address (Map):** 140 E TOWN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95954  
**Longitude (Map):** -82.99604  
**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**  
**Release No (BUSTR):** 25001003 - N00001  
**Facility Name (BUSTR):** IBM BUILDING  
**Address (BUSTR):** 140 E TOWN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.959407  
**Longitude (BUSTR):** -82.995878  
**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**  
**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**  
**Data Source:** Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12395	<b>Lat:</b>	39.95954
<b>FR Status:</b>	RPT: a possible incident is reported	<b>Long:</b>	-82.99604
<b>Release No:</b>	25001003 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	140 E Town St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5125	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25001003 - N00001 IBM BUILDING		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	254146000.0	<b>Facility Name:</b>	IBM BUILDING
<b>Status:</b>	RPT: a possible incident is reported	<b>Facility Address:</b>	140 E TOWN ST
<b>Release Date:</b>	8/22/1994	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/15/1995	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.959407
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.995878
<b>Rules:</b>	1992	<b>Last Review Date:</b>	3/15/1995
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Last Update Date:</b>	3/13/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	18741		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">44</a>	1 of 4	NW	0.34 / 1,796.87	766.00 / 11	Lazarus Bldg, Columbus 141 S High St Columbus OH 43215	DERR
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<b>DERR ID (Map):</b>	125002304	<b>DERR ID:</b>	125002304
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Activity (Map):</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program				<b>Activity:</b> COF - Clean Ohio Fund; VAP - Voluntary Action Program	
<b>Name (Map):</b>	Lazarus Bldg, Columbus				<b>Name:</b> Lazarus Bldg, Columbus	
<b>Address (Map):</b>	141 S High St				<b>Address:</b> 141 S High St	
<b>City (Map):</b>	Columbus				<b>City:</b> Columbus	
<b>Zip (Map):</b>	43215				<b>Postal Code:</b> 43215	
<b>County (Map):</b>	Franklin				<b>County:</b> Franklin	
<b>Latitude (Map):</b>	39.959029				<b>Latitude:</b> 39.959029	
<b>Longitude (Map):</b>	-83.001345				<b>Longitude:</b> -83.001345	
<b>OEPA Distrt (Map):</b>	CDO				<b>District:</b> CDO	
<b>ODOT Distrt (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Ohio EPA: DERR Database**

**Alias:** Lazarus Bldg, Columbus

**Map Services Directory: DERR Database (OEPA-DERR)**

<b>Latitude:</b>	39.959029	<b>X:</b>	-83.00134080141088
<b>Longitude:</b>	-83.001345	<b>Y:</b>	39.95902125623262
<b>Alias:</b>			
<b>Latitude:</b>	39.959029	<b>X:</b>	-83.00134080141088
<b>Longitude:</b>	-83.001345	<b>Y:</b>	39.95902125623262
<b>Alias:</b>	Lazarus Bldg, Columbus		

<a href="#">44</a>	2 of 4	NW	0.34 / 1,796.87	766.00 / 11	Lazarus Bldg, Columbus 141 S High St Columbus OH	VAP CNS
<b>Core Place ID:</b>						
<b>Parent ID:</b>	125002304					
<b>Project ID:</b>	125002304004					
<b>NFA No:</b>	08NFA296					
<b>Status:</b>	Issued					
<b>Type:</b>	NFA 30 Day					
<b>CP No:</b>	CP188					
<b>CP Name:</b>	Shalala, T					
<b>Funding Code:</b>						
<b>Received:</b>	5/5/2008					
<b>Start Date:</b>	4/25/2008					
<b>Work Activity:</b>	Lazarus Bldg, Columbus					
<b>Comments:</b>						

<a href="#">44</a>	3 of 4	NW	0.34 / 1,796.87	766.00 / 11	Lazarus Bldg, Columbus 141 S High St Columbus OH 43215	INST
<b>Site ID (Map):</b>	125002304					
<b>Project ID (Map):</b>	125002304004					
<b>Name (Map):</b>	Lazarus Bldg, Columbus					
<b>Address (Map):</b>	141 S High St					
<b>City (Map):</b>	Columbus					
<b>Zip Code (Map):</b>	43215					
<b>County (Map):</b>	Franklin					
<b>Latitude (Map):</b>	39.959287					
<b>Longitude (Map):</b>	-83.001077					
<b>OEPA District (Map):</b>	CDO					
<b>ODOT District (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: List of Projects with Institutional Controls; Map Services Directory: Projects With Institutional Controls (OEPA-DERR) (Map)					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Ohio EPA: List of Projects with Institutional Controls**

<b>NFA No:</b>	08NFA296	<b>Project Type:</b>	NFA 30 Day
<b>Land Use:</b>	Commercial/Industrial	<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>			
<b>IC Mechanism:</b>			
<b>NFA No:</b>		<b>Project Type:</b>	NFA 30 Day
<b>Land Use:</b>		<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>	Commercial Use Restriction		
<b>IC Mechanism:</b>	Environmental Covennant IAW UECA		
<b>NFA No:</b>		<b>Project Type:</b>	NFA 30 Day
<b>Land Use:</b>		<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>	Industrial Use Restriction		
<b>IC Mechanism:</b>	Environmental Covennant IAW UECA		

**Map Services Directory: Projects With Institutional Controls (OEPA-DERR)**

<b>Project Type:</b>	NFA 30 Day	<b>Latitude:</b>	39.959287
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.001077
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.0010728007847
<b>NFA No:</b>	08NFA296	<b>Y:</b>	39.959279256483654
<b>Land Use:</b>	Commercial/Industrial	<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>		<b>GDB Geomattr Data:</b>	
<b>IC Mechanism:</b>			
<b>Project Type:</b>	NFA 30 Day	<b>Latitude:</b>	39.959287
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.001077
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.0010728007847
<b>NFA No:</b>		<b>Y:</b>	39.959279256483654
<b>Land Use:</b>		<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>	Industrial Use Restriction	<b>GDB Geomattr Data:</b>	
<b>IC Mechanism:</b>	Environmental Covennant IAW UECA		
<b>Project Type:</b>	NFA 30 Day	<b>Latitude:</b>	39.959287
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.001077
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.0010728007847
<b>NFA No:</b>		<b>Y:</b>	39.959279256483654
<b>Land Use:</b>		<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>	Commercial Use Restriction	<b>GDB Geomattr Data:</b>	
<b>IC Mechanism:</b>	Environmental Covennant IAW UECA		

<a href="#">44</a>	4 of 4	NW	0.34 / 1,796.87	766.00 / 11	Lazarus Bldg, Columbus 141 S High St Columbus OH 43215	VCP
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<b>Site ID (Map):</b>	125002304	<b>Site ID:</b>	125002304
<b>Name (Map):</b>	Lazarus Bldg, Columbus	<b>Name:</b>	Lazarus Bldg, Columbus
<b>Address (Map):</b>	141 S High St	<b>Street Address:</b>	141 S High St
<b>Address2 (Map):</b>		<b>Street Address 2:</b>	
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Zip code (Map):</b>	43215	<b>Postal Code:</b>	43215
<b>Latitude (Map):</b>	39.959029	<b>Latitude:</b>	39.959029
<b>Longitude (Map):</b>	-83.001345	<b>Longitude:</b>	-83.001345
<b>OEPA District (Map):</b>	CDO	<b>EPA District:</b>	CDO
<b>ODOT District (Map):</b>	6		
<b>Data Source:</b>	Ohio EPA: List of All VAP Sites; Map Services Directory: VAP Sites (OEPA-DERR) (Map)		

**Ohio EPA: All VAP Site Details**

**Alias Name:**  
**Old Program ID:**  
**Project Type Desc:** Brownfield Tax Credit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Alias Name:**  
**Old Program ID:** 07TA034  
**Project Type Desc:** VAP Technical Assistance

**Alias Name:**  
**Old Program ID:** 08NFA296  
**Project Type Desc:** NFA 30 Day

**Map Services Directory: VAP Site (OEPA-DEER) Details**

**Project Type:** NFA 30 Day  
**Old Program ID:** 08NFA296  
**Latitude:** 39.959029  
**Longitude:** -83.001345  
**Y:** 39.95902125623262  
**X:** -83.00134080141088

**Project Type:** VAP Technical Assistance  
**Old Program ID:** 07TA034  
**Latitude:** 39.959029  
**Longitude:** -83.001345  
**Y:** 39.95902125623262  
**X:** -83.00134080141088

<a href="#">45</a>	1 of 1	<b>NNW</b>	<b>0.34 / 1,803.22</b>	<b>757.70 / 3</b>	<b>SHERATON COLUMBUS AT CAPITOL SQUARE 75 E STATE ST COLUMBUS OH 43215</b>	<b>LUST</b>
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**Release No:** 25002300-N00001  
**Release No (Map):** 25002300 - N00001  
**Facility Name (Map):** SHERATON COLUMBUS AT CAPITOL SQUARE  
**Address (Map):** 75 E STATE ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95997  
**Longitude (Map):** -82.99776  
**Release No (Web):** 25002300-N00001  
**Facility Name (Web):** SHERATON COLUMBUS AT CAPITOL SQUARE  
**Address (Web):** 75 E STATE ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.96028  
**Longitude (Web):** -82.998245  
**Release No (BUSTR):** 25002300 - N00001  
**Facility Name (BUSTR):** SHERATON COLUMBUS AT CAPITOL SQUARE  
**Address (BUSTR):** 75 E STATE ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.96028  
**Longitude (BUSTR):** -82.998245  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25002300 (SHERATON COLUMBUS AT CAPITOL SQUARE)  
**Address (OTTER):** 75 E STATE ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	9/10/1997
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	09/10/1997
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	11/05/1996	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	256140000.0	<b>Date Reported:</b>	11/5/1996
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	HOTEL 75 E STATE LP
<b>Facility:</b>	25002300 (SHERATON COLUMBUS AT CAPITOL SQUARE)		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#23453		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19765		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12969	<b>Lat:</b>	39.95997
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99776
<b>Release No:</b>	25002300 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	75 E State St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4203	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25002300 - N00001 SHERATON COLUMBUS AT CAPITOL SQUARE		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	256140000.0	<b>Facility Name:</b>	SHERATON COLUMBUS AT CAPITOL SQUARE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	75 E STATE ST
<b>Release Date:</b>	11/5/1996	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	9/10/1997	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.96028
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998245
<b>Rules:</b>	1992	<b>Last Review Date:</b>	9/10/1997
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/13/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	33478		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">46</a>	1 of 1	WSW	0.34 / 1,812.18	740.90 / -14	Miranova Property & Three Sites CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	USD
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<b>Site ID:</b>	125002182	<b>Polygon ID:</b>	640
<b>Project ID:</b>	125002182001	<b>Polygon Name:</b>	Harsco Property
<b>Project Type:</b>	Urban Setting Designation	<b>Staff Digitizer:</b>	Gara, Brian
<b>DERR Program:</b>	Voluntary Action Program	<b>Digitized Date:</b>	8/3/2016
<b>Status:</b>	Granted	<b>Centroid Lat:</b>	39.951953
<b>Received Date:</b>	4/6/1998	<b>Centroid Long:</b>	-83.004792
<b>Approved Date:</b>	9/24/1998	<b>Shape Length:</b>	3300.30820409
<b>USD Area Type:</b>	Property Specific	<b>Modified By:</b>	DERR_CO
<b>OEPA Dist Office:</b>	Central District Office	<b>Modified Date:</b>	8/3/2016
<b>Digitized Meth:</b>	Georeferenced Paper Map	<b>Acreage:</b>	7.80024934
<b>Map Source:</b>	Engineering Drawing	<b>County:</b>	Franklin
<b>Confidence:</b>	Medium	<b>Point X:</b>	
<b>Verification Dt:</b>	9/24/2019	<b>Point Y:</b>	
<b>Verif Outcome:</b>	Unchanged		
<b>Comments:</b>	Centrally-located polygon chosen		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">47</a>	1 of 1	SW	0.35 / 1,834.90	752.72 / -2	SALVATION ARMY 570 S FRONT ST COLUMBUS OH 43215	LUST

**Release No:** 25005589-N00001  
**Release No (Map):** 25005589 - N00001  
**Facility Name (Map):** SALVATION ARMY  
**Address (Map):** 570 S FRONT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95018  
**Longitude (Map):** -82.99987  
**Release No (Web):** 25005589-N00001  
**Facility Name (Web):** SALVATION ARMY  
**Address (Web):** 570 S FRONT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.949969  
**Longitude (Web):** -82.999931  
**Release No (BUSTR):** 25005589 - N00001  
**Facility Name (BUSTR):** SALVATION ARMY  
**Address (BUSTR):** 570 S FRONT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.949969  
**Longitude (BUSTR):** -82.999931  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25005589 (SALVATION ARMY)  
**Address (OTTER):** 570 S FRONT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	3/20/1995
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	03/20/1995
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	01/25/1995	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	255007200.0	<b>Date Reported:</b>	1/25/1995
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	SALVATION ARMY
<b>Facility:</b>	25005589 (SALVATION ARMY)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9125">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9125</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19339">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19339</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13402	<b>Lat:</b>	39.95018
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99987
<b>Release No:</b>	25005589 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	570 S Front St	<b>LOC QUAL:</b>	MAF3

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
City Out:	Columbus				Facility Z:	43215
State Out:	OH				Loc Conf:	1
ZIP Out:	43215-1170				Date Processed:	1/1/1970, 12:36 AM
Label:	25005589 - N00001 SALVATION ARMY					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

Incident No:	255007200.0	Facility Name:	SALVATION ARMY
Status:	NFA: No Further Action	Facility Address:	570 S FRONT ST
Release Date:	1/25/1995	Facility City:	COLUMBUS
Last Status Updated:	3/20/1995	Facility State:	Ohio
Substatus:	Approved	Facility ZIP:	43215
Priority:	2	Facility Latitude:	39.949969
Class:	D	Facility Longitude:	-82.999931
Rules:	1992	Last Review Date:	3/20/1995
Coordinator:	David Israel	Last Update:	Charles Zepp
LTF:	6 Closure of regulated UST	Last Update Date:	9/6/2023
Rating:		County:	Franklin
Sequence No:	32317		
Class Desc:	A viable RP has been identified		

<a href="#">48</a>	1 of 1	ENE	0.35 / 1,853.70	765.41 / 11	FRANKLIN UNIVERSITY PARKING LOT 381 E MAIN COLUMBUS OH 43215	LUST
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Release No:	25010583-N00001
Release No (Map):	25010583 - N00001
Facility Name (Map):	FRANKLIN UNIVERSITY PARKING LOT
Address (Map):	381 E MAIN
City (Map):	COLUMBUS
Zip (Map):	43215
Latitude (Map):	39.956923
Longitude (Map):	-82.989311
Release No (Web):	25010583-N00001
Facility Name (Web):	FRANKLIN UNIVERSITY PARKING LOT
Address (Web):	381 E MAIN
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43215
County (Web):	Franklin
Latitude (Web):	39.957263
Longitude (Web):	-82.988676
Release No (BUSTR):	25010583 - N00001
Facility Name (BUSTR):	FRANKLIN UNIVERSITY PARKING LOT
Address (BUSTR):	381 E MAIN
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43215
County (BUSTR):	Franklin
Latitude (BUSTR):	39.957263
Longitude (BUSTR):	-82.988676
Release No (OTTER):	N00001
Fac No and Name(OTTER):	25010583 (FRANKLIN UNIVERSITY PARKING LOT)
Address (OTTER):	381 E MAIN
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43215
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

Facility Status:	Active	Date Last Change:	4/21/2015
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>LTF Status:</b>	1 SUS/CON from regulated UST				<b>Review Date:</b> 01/30/2024	
<b>FR Status:</b>	TR1: T1S Required (Prior SB/MW Installed)				<b>Priority:</b> 2	
<b>Release Date:</b>	05/08/1990				<b>Class:</b> C	
<b>Class Description:</b>	The RP is non-viable					

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>	250107600.0	<b>Date Reported:</b>	5/8/1990
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	FRANKLIN UNIVERSITY PARKING LOT
<b>Facility:</b>	25010583 (FRANKLIN UNIVERSITY PARKING LOT)		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14820		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14302		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	14327	<b>Lat:</b>	39.956923
<b>FR Status:</b>	TR1: T1S Required (Prior SB/MW Installed)	<b>Long:</b>	-82.989311
<b>Release No:</b>	25010583 - N00001	<b>Match:</b>	S81
<b>Address Out:</b>	381 E Main St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5346	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010583 - N00001 FRANKLIN UNIVERSITY PARKING LOT		

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

<b>Incident No:</b>	250107600.0	<b>Facility Name:</b>	FRANKLIN UNIVERSITY PARKING LOT
<b>Status:</b>	TR1: T1S Required (Prior SB/MW Installed)	<b>Facility Address:</b>	381 E MAIN
<b>Release Date:</b>	5/8/1990	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	4/21/2015	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Required	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.957263
<b>Class:</b>	C	<b>Facility Longitude:</b>	-82.988676
<b>Rules:</b>	2012	<b>Last Review Date:</b>	1/30/2024
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	David Israel
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	1/30/2024
<b>Rating:</b>	19	<b>County:</b>	Franklin
<b>Sequence No:</b>	15367		
<b>Class Desc:</b>	The RP is non-viable		

<a href="#">49</a>	1 of 1	ENE	0.35 / 1,856.55	765.41 / 11	FRANKLIN UNIVERSITY PARKING LOT 381 E MAIN COLUMBUS OH 43215	DELISTED LST
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#### Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)

<b>Incident No:</b>	250107600.0	<b>Class:</b>	C
<b>Release No:</b>	25010583 - N00001	<b>Class Desc:</b>	The RP is non-viable
<b>Status:</b>	TR1: T1S Required (Prior SB/MW Installed)	<b>Rules:</b>	2012
<b>Sub Status:</b>	Required	<b>Coordinator:</b>	David Israel
<b>Release Date:</b>	5/8/1990	<b>County:</b>	Franklin
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Facility Latitude:</b>	39.957263
<b>Last Update:</b>	David Israel	<b>Facility Longitude:</b>	-82.988676
<b>Last Update Date:</b>	11/16/2018	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	4/21/2015	<b>Record Date:</b>	14-JAN-2019
<b>Priority:</b>	2		

<a href="#">50</a>	1 of 2	NW	0.35 / 1,857.64	754.33 / 0	50 W Town st Columbus OH 43215	DERR
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>DERR ID (Map):</b> <b>CERCLIS ID (Map):</b> <b>Activity (Map):</b> <b>Name (Map):</b> <b>Address (Map):</b> <b>City (Map):</b> <b>Zip (Map):</b> <b>County (Map):</b> <b>Latitude (Map):</b> <b>Longitude (Map):</b> <b>OEPA Distrt (Map):</b> <b>ODOT Distrt (Map):</b> <b>Data Source:</b>		Ohio EPA: DERR Database	<b>DERR ID:</b> <b>CERCLIS ID:</b> <b>Activity:</b> <b>Name:</b> <b>Address:</b> <b>City:</b> <b>Postal Code:</b> <b>County:</b> <b>Latitude:</b> <b>Longitude:</b> <b>District:</b>		125000509    50 W Town st Columbus 43215 Franklin 38.111 -81.111 CDO	

**50**      2 of 2      **NW**      0.35 / 1,857.64      754.33 / 0      **Test record**  
**50 W Town st**  
**Columbus OH 43215-**      **DERR**

<b>DERR ID (Map):</b> <b>CERCLIS ID (Map):</b> <b>Activity (Map):</b> <b>Name (Map):</b> <b>Address (Map):</b> <b>City (Map):</b> <b>Zip (Map):</b> <b>County (Map):</b> <b>Latitude (Map):</b> <b>Longitude (Map):</b> <b>OEPA Distrt (Map):</b> <b>ODOT Distrt (Map):</b> <b>Data Source:</b>		Ohio EPA: DERR Database	<b>DERR ID:</b> <b>CERCLIS ID:</b> <b>Activity:</b> <b>Name:</b> <b>Address:</b> <b>City:</b> <b>Postal Code:</b> <b>County:</b> <b>Latitude:</b> <b>Longitude:</b> <b>District:</b>		401000507  Test record 50 W Town st Columbus 43215- Adams 39 -81 SEDO	
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**51**      1 of 1      **ENE**      0.35 / 1,866.34      765.72 / 11      **DONATO'S PIZZA**  
**280 S GRANT AVE**  
**COLUMBUS OH 43230**      **LUST**

<b>Release No:</b> <b>Release No (Map):</b> <b>Facility Name (Map):</b> <b>Address (Map):</b> <b>City (Map):</b> <b>Zip (Map):</b> <b>Latitude (Map):</b> <b>Longitude (Map):</b> <b>Release No (Web):</b> <b>Facility Name (Web):</b> <b>Address (Web):</b> <b>City (Web):</b> <b>State (Web):</b> <b>Zip (Web):</b> <b>County (Web):</b> <b>Latitude (Web):</b> <b>Longitude (Web):</b> <b>Release No (BUSTR):</b> <b>Facility Name (BUSTR):</b> <b>Address (BUSTR):</b> <b>City (BUSTR):</b> <b>State (BUSTR):</b> <b>Zip (BUSTR):</b> <b>County (BUSTR):</b> <b>Latitude (BUSTR):</b> <b>Longitude (BUSTR):</b> <b>Release No (OTTER):</b> <b>Fac No and Name(OTTER):</b> <b>Address (OTTER):</b> <b>City (OTTER):</b> <b>State (OTTER):</b>		25000873-N00001 25000873 - N00001 DONATO'S PIZZA 280 S GRANT AVE COLUMBUS 43230 39.95752 -82.98952 25000873-N00001 DONATO'S PIZZA 280 S GRANT AVE COLUMBUS OH 43230 Franklin 39.957639 -82.989825 25000873 - N00001 DONATO'S PIZZA 280 S GRANT AVE COLUMBUS Ohio 43230 Franklin 39.957639 -82.989825 N00001 25000873 (DONATO'S PIZZA) 280 S GRANT AVE COLUMBUS	
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Zip (OTTER):** 43230  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	2/1/2000
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	02/01/2000
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	11/01/1999	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	259083000.0	<b>Date Reported:</b>	11/1/1999
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	MURIEL PARISH
<b>Facility:</b>	25000873 (DONATO'S PIZZA)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8270">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8270</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=36755">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=36755</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12313	<b>Lat:</b>	39.95752
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.98952
<b>Release No:</b>	25000873 - N00001	<b>Match:</b>	S90
<b>Address Out:</b>	280 S Grant Ave	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43230
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5334	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000873 - N00001 DONATO'S PIZZA		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	259083000.0	<b>Facility Name:</b>	DONATO'S PIZZA
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	280 S GRANT AVE
<b>Release Date:</b>	11/1/1999	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	2/1/2000	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43230
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.957639
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.989825
<b>Rules:</b>	1999	<b>Last Review Date:</b>	2/1/2000
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	3/9/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	11368		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">52</a>	1 of 1	<b>NNW</b>	<b>0.36 / 1,876.28</b>	<b>763.37 / 9</b>	<b>GALBREATH CO. 65 E STATE ST COLUMBUS OH 43215</b>	<b>LUST</b>
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**Release No:** 25001341-N00001  
**Release No (Map):** 25001341 - N00001  
**Facility Name (Map):** GALBREATH CO.  
**Address (Map):** 65 E STATE ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.96004  
**Longitude (Map):** -82.99832  
**Release No (Web):** 25001341-N00001  
**Facility Name (Web):** GALBREATH CO.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Address (Web):</b>		65 E STATE ST				
<b>City (Web):</b>		COLUMBUS				
<b>State (Web):</b>		OH				
<b>Zip (Web):</b>		43215				
<b>County (Web):</b>		Franklin				
<b>Latitude (Web):</b>		39.960254				
<b>Longitude (Web):</b>		-82.998453				
<b>Release No (BUSTR):</b>		25001341 - N00001				
<b>Facility Name (BUSTR):</b>		GALBREATH CO.				
<b>Address (BUSTR):</b>		65 E STATE ST				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43215				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.960254				
<b>Longitude (BUSTR):</b>		-82.998453				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25001341 (GALBREATH CO.)				
<b>Address (OTTER):</b>		65 E STATE ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	11/24/1998
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	11/24/1998
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	10/05/1998	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>	258157500.0	<b>Date Reported:</b>	10/5/1998
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	GALBREATH CO.
<b>Facility:</b>	25001341 (GALBREATH CO.)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23247">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23247</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20374">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20374</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	12620	<b>Lat:</b>	39.96004
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99832
<b>Release No:</b>	25001341 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	65 E State St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4213	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25001341 - N00001 GALBREATH CO.		

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

<b>Incident No:</b>	258157500.0	<b>Facility Name:</b>	GALBREATH CO.
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	65 E STATE ST
<b>Release Date:</b>	10/5/1998	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	11/24/1998	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.960254
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998453
<b>Rules:</b>	1992	<b>Last Review Date:</b>	11/24/1998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> Charles Zepp	
<b>LTF:</b>	6 Closure of regulated UST				<b>Last Update Date:</b> 3/22/2023	
<b>Rating:</b>					<b>County:</b> Franklin	
<b>Sequence No:</b>	15678					
<b>Class Desc:</b>	A viable RP has been identified					

[53](#) 1 of7 WSW 0.36 / 1,895.68 735.54 / -19 LIBERTY PLACE, LLC 100 LIBERTY ST COLUMBUS OH 43215 **DELISTED LST**

**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>		<b>Class:</b>	A
<b>Release No:</b>	25010788 - N00001	<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined
<b>Status:</b>	RPT: a possible incident is reported	<b>Rules:</b>	1999
<b>Sub Status:</b>		<b>Coordinator:</b>	
<b>Release Date:</b>	9/17/2002	<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	39.951051
<b>Last Update:</b>	Charles Zepp	<b>Facility Longitude:</b>	-83.002872
<b>Last Update Date:</b>	9/18/2018	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	12/3/2002	<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	2		

[53](#) 2 of7 WSW 0.36 / 1,895.68 735.54 / -19 Liberty Place LLC, Columbus 100 Liberty St Columbus OH 43215 **DERR**

<b>DERR ID (Map):</b>	125002070	<b>DERR ID:</b>	125002070
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	VAP - Voluntary Action Program	<b>Activity:</b>	VAP - Voluntary Action Program
<b>Name (Map):</b>	Liberty Place LLC, Columbus	<b>Name:</b>	Liberty Place LLC, Columbus
<b>Address (Map):</b>	100 Liberty St	<b>Address:</b>	100 Liberty St
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215	<b>Postal Code:</b>	43215
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.951976	<b>Latitude:</b>	39.951976
<b>Longitude (Map):</b>	-83.002772	<b>Longitude:</b>	-83.002772
<b>OEPA Distr (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>	6		
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

**Ohio EPA: DERR Database**

**Alias:** Harsco Property

**Alias:** Capital Mfg Brewery Dist

**Alias:** Capitol Mfg, West Jefferson

**Map Services Directory: DERR Database (OEPA-DERR)**

<b>Latitude:</b>	39.951976	<b>X:</b>	-83.00276780141132
<b>Longitude:</b>	-83.002772	<b>Y:</b>	39.951968257451405
<b>Alias:</b>	Harsco Property		
<b>Latitude:</b>	39.951976	<b>X:</b>	-83.00276780141132
<b>Longitude:</b>	-83.002772	<b>Y:</b>	39.951968257451405
<b>Alias:</b>	Capitol Mfg, West Jefferson		
<b>Latitude:</b>	39.951976	<b>X:</b>	-83.00276780141132
<b>Longitude:</b>	-83.002772	<b>Y:</b>	39.951968257451405
<b>Alias:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:	39.951976			X:	-83.00276780141132	
Longitude:	-83.002772			Y:	39.951968257451405	
Alias:	Capital Mfg Brewery Dist					

<a href="#">53</a>	3 of 7	WSW	0.36 / 1,895.68	735.54 / -19	Liberty Place LLC, Columbus 100 Liberty St Columbus OH 43215	INST
<b>Site ID (Map):</b>	125002070			<b>Site ID:</b>	125002070	
<b>Project ID (Map):</b>	125002070001			<b>Project ID:</b>	125002070001	
<b>Name (Map):</b>	Liberty Place LLC, Columbus			<b>Name:</b>	Liberty Place LLC, Columbus	
<b>Address (Map):</b>	100 Liberty St			<b>Address:</b>	100 Liberty St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip Code (Map):</b>	43215			<b>Zip Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.952025			<b>Latitude:</b>	39.952025	
<b>Longitude (Map):</b>	-83.002992			<b>Longitude:</b>	-83.00299167	
<b>OEPA District (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT District (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: List of Projects with Institutional Controls; Map Services Directory: Projects With Institutional Controls (OEPA-DERR) (Map)					

**Ohio EPA: List of Projects with Institutional Controls**

<b>NFA No:</b>	02NFA135			<b>Project Type:</b>	NFA 90 Day
<b>Land Use:</b>				<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>					
<b>IC Mechanism:</b>					
<b>NFA No:</b>				<b>Project Type:</b>	NFA 90 Day
<b>Land Use:</b>				<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>	Potable & Non-potable GW Extraction/Use Restriction				
<b>IC Mechanism:</b>	Declaration of Use Restriction				
<b>NFA No:</b>				<b>Project Type:</b>	NFA 90 Day
<b>Land Use:</b>				<b>Program Area:</b>	VAP - Voluntary Action Program
<b>IC Type:</b>					
<b>IC Mechanism:</b>					

**Map Services Directory: Projects With Institutional Controls (OEPA-DERR)**

<b>Project Type:</b>	NFA 90 Day	<b>Latitude:</b>	39.952025
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.002992
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.00298747086919
<b>NFA No:</b>	02NFA135	<b>Y:</b>	39.95201725781701
<b>Land Use:</b>		<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>		<b>GDB Geomatr Data:</b>	
<b>IC Mechanism:</b>			
<b>Project Type:</b>	NFA 90 Day	<b>Latitude:</b>	39.952025
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.002992
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.00298747086919
<b>NFA No:</b>		<b>Y:</b>	39.95201725781701
<b>Land Use:</b>		<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>		<b>GDB Geomatr Data:</b>	
<b>IC Mechanism:</b>			
<b>Project Type:</b>	NFA 90 Day	<b>Latitude:</b>	39.952025
<b>Program Area:</b>	VAP - Voluntary Action Program	<b>Longitude:</b>	-83.002992
<b>Control Type:</b>	Institutional	<b>X:</b>	-83.00298747086919
<b>NFA No:</b>		<b>Y:</b>	39.95201725781701
<b>Land Use:</b>		<b>Location Accuracy:</b>	OEPA
<b>IC Type:</b>	Potable & Non-potable GW Extraction/Use Restriction	<b>GDB Geomatr Data:</b>	
<b>IC Mechanism:</b>	Declaration of Use Restriction		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">53</a>	4 of 7	WSW	0.36 / 1,895.68	735.54 / -19	Liberty Place LLC, Columbus 100 Liberty St Columbus OH 43215	ENG
<b>Site ID (Map):</b>	125002070			<b>Site ID:</b>	125002070	
<b>Project ID (Map):</b>	125002070001			<b>Project ID:</b>	125002070001	
<b>Name (Map):</b>	Liberty Place LLC, Columbus			<b>Name:</b>	Liberty Place LLC, Columbus	
<b>Address (Map):</b>	100 Liberty St			<b>Address:</b>	100 Liberty St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip Code (Map):</b>	43215			<b>Zip Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.952025			<b>Latitude:</b>	39.952025	
<b>Longitude (Map):</b>	-83.002992			<b>Longitude:</b>	-83.00299167	
<b>ODOT District (Map):</b>	6			<b>District:</b>	CDO	
<b>OEPA District (Map):</b>	CDO					
<b>Data Source:</b>	Ohio EPA: List of projects with Engineering Controls; Map Services Directory: Projects With Engineering Controls (OEPA-DERR) (Map)					

**Ohio EPA: List of projects with Engineering Controls**

**Project Type:** NFA 90 Day  
**NFA:** 02NFA135  
**Land Use:**  
**Program Area:** VAP - Voluntary Action Program

**Map Services Directory: Projects With Engineering Controls (OEPA-DERR)**

**Project Type:** NFA 90 Day  
**Program Area:** VAP - Voluntary Action Program  
**Control Type:** Engineering  
**NFA No:** 02NFA135  
**Land Use:**  
**IC Type:**  
**IC Mechanism:**  
**Latitude:** 39.952025  
**Longitude:** -83.002992  
**X:** -83.00298747086919  
**Y:** 39.95201725781701  
**Location Accuracy:** OEPA  
**GDB Geomattr Data:**

<a href="#">53</a>	5 of 7	WSW	0.36 / 1,895.68	735.54 / -19	Liberty Place LLC, Columbus 100 Liberty St Columbus OH 43215	VCP
<b>Site ID (Map):</b>	125002070			<b>Site ID:</b>	125002070	
<b>Name (Map):</b>	Liberty Place LLC, Columbus			<b>Name:</b>	Liberty Place LLC, Columbus	
<b>Address (Map):</b>	100 Liberty St			<b>Street Address:</b>	100 Liberty St	
<b>Address2 (Map):</b>				<b>Street Address 2:</b>		
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Zip code (Map):</b>	43215			<b>Postal Code:</b>	43215	
<b>Latitude (Map):</b>	39.951976			<b>Latitude:</b>	39.951976	
<b>Longitude (Map):</b>	-83.002772			<b>Longitude:</b>	-83.002772	
<b>OEPA District (Map):</b>	CDO			<b>EPA District:</b>	CDO	
<b>ODOT District (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: List of All VAP Sites; Map Services Directory: VAP Sites (OEPA-DERR) (Map)					

**Ohio EPA: All VAP Site Details**

**Alias Name:**  
**Old Program ID:**  
**Project Type Desc:** VAP Institutional Control Inspection

**Alias Name:** Capital Mfg Brewery Dist  
**Old Program ID:** 03OM054  
**Project Type Desc:** VAP Operation & Maintenance

**Alias Name:** Capital Mfg Brewery Dist  
**Old Program ID:** 02NFA135  
**Project Type Desc:** NFA 90 Day

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Alias Name:</b>					Capitol Mfg, West Jefferson	
<b>Old Program ID:</b>					02NFA135	
<b>Project Type Desc:</b>					NFA 90 Day	
<b>Alias Name:</b>					03OM054	
<b>Old Program ID:</b>					Risk Mitigation Plan Oversight	
<b>Project Type Desc:</b>						
<b>Alias Name:</b>					Capital Mfg Brewery Dist	
<b>Old Program ID:</b>					01TA021	
<b>Project Type Desc:</b>					VAP Technical Assistance	
<b>Alias Name:</b>					Harsco Property	
<b>Old Program ID:</b>					02NFA135	
<b>Project Type Desc:</b>					NFA 90 Day	

**Map Services Directory: VAP Site (OEPA-DERR) Details**

**Project Type:** VAP Technical Assistance  
**Old Program ID:** 01TA021  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** VAP Operation & Maintenance  
**Old Program ID:** 03OM054  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** NFA 90 Day  
**Old Program ID:** 02NFA135  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** NFA 90 Day  
**Old Program ID:** 02NFA135  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** Risk Mitigation Plan Oversight  
**Old Program ID:** 03OM054  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** VAP Institutional Control Inspection  
**Old Program ID:**  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

**Project Type:** NFA 90 Day  
**Old Program ID:** 02NFA135  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Project Type:** VAP Institutional Control Inspection  
**Old Program ID:**  
**Latitude:** 39.951976  
**Longitude:** -83.002772  
**Y:** 39.951968257451405  
**X:** -83.00276780141132

<a href="#">53</a>	6 of 7	WSW	0.36 / 1,895.68	735.54 / -19	Liberty Place LLC, Columbus 100 Liberty St Columbus OH	VAP CNS
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<b>Core Place ID:</b> <b>Parent ID:</b> 125002070 <b>Project ID:</b> 125002070001 <b>NFA No:</b> 02NFA135 <b>Status:</b> Issued <b>Type:</b> NFA 90 Day <b>CP No:</b> CP177 <b>CP Name:</b> Krumm, C <b>Funding Code:</b> <b>Received:</b> 5/30/2002 <b>Start Date:</b> 5/30/2002 <b>Work Activity:</b> Liberty Place LLC, Columbus <b>Comments:</b>	<b>Bustr Cleanup NFA:</b> <b>Dt Notice Snt Bustr:</b> <b>Days Start to Fin:</b> 252 <b>End Date:</b> 2/6/2003 <b>Acreage:</b> 6.9 <b>District:</b> CDO <b>County:</b> Franklin <b>Submitted Lat:</b> 39.952025 <b>Submitted Long:</b> -83.00299167 <b>Latitude:</b> 39.952025 <b>Longitude:</b> -83.00299167
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<a href="#">53</a>	7 of 7	WSW	0.36 / 1,895.68	735.54 / -19	LIBERTY PLACE, LLC 100 LIBERTY ST COLUMBUS OH 43215	LUST
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<b>Release No:</b> 25010788-N00001 <b>Release No (Map):</b> 25010788 - N00001 <b>Facility Name (Map):</b> LIBERTY PLACE, LLC <b>Address (Map):</b> 100 LIBERTY ST <b>City (Map):</b> COLUMBUS <b>Zip (Map):</b> 43215 <b>Latitude (Map):</b> 39.951335 <b>Longitude (Map):</b> -83.001758 <b>Release No (Web):</b> <b>Facility Name (Web):</b> <b>Address (Web):</b> <b>City (Web):</b> <b>State (Web):</b> <b>Zip (Web):</b> <b>County (Web):</b> <b>Latitude (Web):</b> <b>Longitude (Web):</b> <b>Release No (BUSTR):</b> 25010788 - N00001 <b>Facility Name (BUSTR):</b> LIBERTY PLACE, LLC <b>Address (BUSTR):</b> 100 LIBERTY ST <b>City (BUSTR):</b> COLUMBUS <b>State (BUSTR):</b> Ohio <b>Zip (BUSTR):</b> 43215 <b>County (BUSTR):</b> Franklin <b>Latitude (BUSTR):</b> 39.951051 <b>Longitude (BUSTR):</b> -83.002872 <b>Release No (OTTER):</b> <b>Fac No and Name(OTTER):</b> <b>Address (OTTER):</b> <b>City (OTTER):</b> <b>State (OTTER):</b> <b>Zip (OTTER):</b> <b>County (OTTER):</b> <b>Data Source:</b> Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**BUSTR Map: All Environmental**

<b>Object ID:</b>	14479	<b>Lat:</b>	39.951335
<b>FR Status:</b>	RPT: a possible incident is reported	<b>Long:</b>	-83.001758
<b>Release No:</b>	25010788 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	100 Liberty St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5693	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010788 - N00001 LIBERTY PLACE, LLC		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	LIBERTY PLACE, LLC
<b>Status:</b>	RPT: a possible incident is reported	<b>Facility Address:</b>	100 LIBERTY ST
<b>Release Date:</b>	9/17/2002	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	4/1/2003	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.951051
<b>Class:</b>	A	<b>Facility Longitude:</b>	-83.002872
<b>Rules:</b>	1999	<b>Last Review Date:</b>	4/1/2003
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Last Update Date:</b>	5/26/2022
<b>Rating:</b>	14	<b>County:</b>	Franklin
<b>Sequence No:</b>	21336		
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined		

<a href="#">54</a>	1 of 3	<b>SSW</b>	<b>0.36 / 1,902.58</b>	<b>747.77 / -7</b>	<b>True North #612 631 S HIGH ST COLUMBUS OH 43215</b>	<b>LUST</b>
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<b>Release No:</b>	25000140-N00001
<b>Release No (Map):</b>	25000140 - N00001
<b>Facility Name (Map):</b>	True North #612
<b>Address (Map):</b>	631 S HIGH ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.949424
<b>Longitude (Map):</b>	-82.998663
<b>Release No (Web):</b>	25000140-N00001
<b>Facility Name (Web):</b>	True North #612
<b>Address (Web):</b>	631 S HIGH ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.949397
<b>Longitude (Web):</b>	-82.998354
<b>Release No (BUSTR):</b>	25000140 - N00001
<b>Facility Name (BUSTR):</b>	True North #612
<b>Address (BUSTR):</b>	631 S HIGH ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.949397
<b>Longitude (BUSTR):</b>	-82.998354
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25000140 (True North #612)
<b>Address (OTTER):</b>	631 S HIGH ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43215
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	12/10/1998
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	12/10/2000
<b>FR Status:</b>	DIS: a release is disproved	<b>Priority:</b>	2
<b>Release Date:</b>	07/18/1995	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	255102500.0	<b>Date Reported:</b>	7/18/1995
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	TRUE NORTH ENERGY LLC
<b>Facility:</b>	25000140 (True North #612)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9801">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9801</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18521">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18521</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	11654	<b>Lat:</b>	39.949424
<b>FR Status:</b>	DIS: a release is disproved	<b>Long:</b>	-82.998663
<b>Release No:</b>	25000140 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	631 S High St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5620	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000140 - N00001 True North #612		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	255102500.0	<b>Facility Name:</b>	True North #612
<b>Status:</b>	DIS: a release is disproved	<b>Facility Address:</b>	631 S HIGH ST
<b>Release Date:</b>	7/18/1995	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	12/10/1998	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.949397
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998354
<b>Rules:</b>	1992	<b>Last Review Date:</b>	12/10/2000
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	6/3/2022
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	39476		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">54</a>	2 of 3	<b>SSW</b>	<b>0.36 / 1,902.58</b>	<b>747.77 / -7</b>	<b>True North #612 631 S HIGH ST COLUMBUS OH 43215</b>	<b>LUST</b>
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<b>Release No:</b>	25000140-N00002
<b>Release No (Map):</b>	25000140 - N00002
<b>Facility Name (Map):</b>	True North #612
<b>Address (Map):</b>	631 S HIGH ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.949424
<b>Longitude (Map):</b>	-82.998663
<b>Release No (Web):</b>	25000140-N00002
<b>Facility Name (Web):</b>	True North #612
<b>Address (Web):</b>	631 S HIGH ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Latitude (Web):</b>		39.949397				
<b>Longitude (Web):</b>		-82.998354				
<b>Release No (BUSTR):</b>		25000140 - N00002				
<b>Facility Name (BUSTR):</b>		True North #612				
<b>Address (BUSTR):</b>		631 S HIGH ST				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43215				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.949397				
<b>Longitude (BUSTR):</b>		-82.998354				
<b>Release No (OTTER):</b>		N00002				
<b>Fac No and Name(OTTER):</b>		25000140 (True North #612)				
<b>Address (OTTER):</b>		631 S HIGH ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	4/23/2002
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	04/23/2002
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	12/13/2000	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	12/13/2000
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	TRUE NORTH ENERGY LLC
<b>Facility:</b>	25000140 (True North #612)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2finquiry%2finquiry#9801">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2finquiry%2finquiry#9801</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18522">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18522</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	11655	<b>Lat:</b>	39.949424
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.998663
<b>Release No:</b>	25000140 - N00002	<b>Match:</b>	S80
<b>Address Out:</b>	631 S High St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5620	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000140 - N00002 True North #612		

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

<b>Incident No:</b>		<b>Facility Name:</b>	True North #612
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	631 S HIGH ST
<b>Release Date:</b>	12/13/2000	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	4/23/2002	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.949397
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998354
<b>Rules:</b>	1999	<b>Last Review Date:</b>	4/23/2002
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	6/3/2022
<b>Rating:</b>	6	<b>County:</b>	Franklin
<b>Sequence No:</b>	39477		
<b>Class Desc:</b>	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
54	3 of 3	SSW	0.36 / 1,902.58	747.77 / -7	True North #612 631 S HIGH ST COLUMBUS OH 43215	LUST

**Release No:** 25000140-N00003  
**Release No (Map):** 25000140 - N00003  
**Facility Name (Map):** True North #612  
**Address (Map):** 631 S HIGH ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.949424  
**Longitude (Map):** -82.998663  
**Release No (Web):** 25000140-N00003  
**Facility Name (Web):** True North #612  
**Address (Web):** 631 S HIGH ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.949397  
**Longitude (Web):** -82.998354  
**Release No (BUSTR):** 25000140 - N00003  
**Facility Name (BUSTR):** True North #612  
**Address (BUSTR):** 631 S HIGH ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.949397  
**Longitude (BUSTR):** -82.998354  
**Release No (OTTER):** N00003  
**Fac No and Name(OTTER):** 25000140 (True North #612)  
**Address (OTTER):** 631 S HIGH ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Active	<b>Date Last Change:</b>	11/28/2023
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	05/16/2024
<b>FR Status:</b>	T3E: Tier 3 Evaluation	<b>Priority:</b>	
<b>Release Date:</b>	08/05/2020	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	8/5/2020
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	TRUE NORTH ENERGY LLC
<b>Facility:</b>	25000140 (True North #612)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9801">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#9801</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=46635">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=46635</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	11656	<b>Lat:</b>	39.949424
<b>FR Status:</b>	SCT: Site Check & Tank Tightness Test	<b>Long:</b>	-82.998663
<b>Release No:</b>	25000140 - N00003	<b>Match:</b>	S80
<b>Address Out:</b>	631 S High St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
State Out:	OH				Loc Conf:	1
ZIP Out:	43215-5620				Date Processed:	1/1/1970, 12:36 AM
Label:	25000140 - N00003 True North #612					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	True North #612
<b>Status:</b>	T2E: Tier 2 Evaluation	<b>Facility Address:</b>	631 S HIGH ST
<b>Release Date:</b>	8/5/2020	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	11/28/2023	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Deficient	<b>Facility ZIP:</b>	43215
<b>Priority:</b>		<b>Facility Latitude:</b>	39.949397
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998354
<b>Rules:</b>	2017	<b>Last Review Date:</b>	11/28/2023
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	David Israel
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	11/28/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	39478		
<b>Class Desc:</b>	A viable RP has been identified		

[55](#) 1 of 1 NW 0.38 / 1,981.77 758.38 / 4 Test record 50-1 W town st Columbus OH 43215- DERR

<b>DERR ID (Map):</b>		<b>DERR ID:</b>	125000508
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>		<b>Activity:</b>	
<b>Name (Map):</b>		<b>Name:</b>	Test record
<b>Address (Map):</b>		<b>Address:</b>	50-1 W town st
<b>City (Map):</b>		<b>City:</b>	Columbus
<b>Zip (Map):</b>		<b>Postal Code:</b>	43215-
<b>County (Map):</b>		<b>County:</b>	Franklin
<b>Latitude (Map):</b>		<b>Latitude:</b>	38.123
<b>Longitude (Map):</b>		<b>Longitude:</b>	-82
<b>OEPA Distr (Map):</b>		<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>			
<b>Data Source:</b>	Ohio EPA: DERR Database		

[56](#) 1 of 2 WNW 0.38 / 2,001.21 741.04 / -14 FUTURE RIVER SOUTH COMMUNITY SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215 DELISTED LST

**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>		<b>Class:</b>	A
<b>Release No:</b>	25010973 - N00001	<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined
<b>Status:</b>	NCR: No closure report received letter sent	<b>Rules:</b>	2005
<b>Sub Status:</b>		<b>Coordinator:</b>	David Israel
<b>Release Date:</b>	7/10/2008	<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	
<b>Last Update:</b>	Charles Zepp	<b>Facility Longitude:</b>	
<b>Last Update Date:</b>	8/28/2018	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>	12/30/2008	<b>Record Date:</b>	09-JUL-2019
<b>Priority:</b>	2		

[56](#) 2 of 2 WNW 0.38 / 2,001.21 741.04 / -14 FUTURE RIVER SOUTH COMMUNITY SE CORNER FRONT ST & TOWN ST COLUMBUS OH 43215 LUST

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Release No:** 25010973-N00001  
**Release No (Map):** 25010973 - N00001  
**Facility Name (Map):** FUTURE RIVER SOUTH COMMUNITY  
**Address (Map):** SE CORNER FRONT ST & TOWN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.9657  
**Longitude (Map):** -83.0049

**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**

**Release No (BUSTR):** 25010973 - N00001  
**Facility Name (BUSTR):** FUTURE RIVER SOUTH COMMUNITY  
**Address (BUSTR):** SE CORNER FRONT ST & TOWN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.958477  
**Longitude (BUSTR):** -83.001573

**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**

**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**

**Data Source:** Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14606	<b>Lat:</b>	39.9657
<b>FR Status:</b>	NCR: No closure report received letter sent	<b>Long:</b>	-83.0049
<b>Release No:</b>	25010973 - N00001	<b>Match:</b>	E021
<b>Address Out:</b>	Se Corner Front St & Town St	<b>LOC QUAL:</b>	ZC5X
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	5
<b>ZIP Out:</b>	43215	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010973 - N00001 FUTURE RIVER SOUTH COMMUNITY		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	FUTURE RIVER SOUTH COMMUNITY
<b>Status:</b>	NCR: No closure report received letter sent	<b>Facility Address:</b>	SE CORNER FRONT ST & TOWN ST
<b>Release Date:</b>	7/10/2008	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	12/30/2008	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.958477
<b>Class:</b>	A	<b>Facility Longitude:</b>	-83.001573
<b>Rules:</b>	2005	<b>Last Review Date:</b>	5/1/2012
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Tanya Nell
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Last Update Date:</b>	3/25/2021
<b>Rating:</b>	14	<b>County:</b>	Franklin
<b>Sequence No:</b>	15621		
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined		

<b>57</b>	1 of 2	<b>NE</b>	<b>0.38 / 2,001.37</b>	<b>763.33 / 9</b>	<b>GRANT BONE &amp; JOINT 323 E TOWN ST</b>	<b>LUST</b>
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**COLUMBUS OH 43215**

**Release No:** 25004511-N00001  
**Release No (Map):** 25004511 - N00001  
**Facility Name (Map):** GRANT BONE & JOINT  
**Address (Map):** 323 E TOWN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95962  
**Longitude (Map):** -82.99108  
**Release No (Web):** 25004511-N00001  
**Facility Name (Web):** GRANT BONE & JOINT  
**Address (Web):** 323 E TOWN ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.959652  
**Longitude (Web):** -82.991272  
**Release No (BUSTR):** 25004511 - N00001  
**Facility Name (BUSTR):** GRANT BONE & JOINT  
**Address (BUSTR):** 323 E TOWN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.959652  
**Longitude (BUSTR):** -82.991272  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25004511 (GRANT BONE & JOINT)  
**Address (OTTER):** 323 E TOWN ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	4/6/1992
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	04/06/1992
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	11/01/1990	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	250279300.0	<b>Date Reported:</b>	11/1/1990
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	GRANT MEDICAL CENTER
<b>Facility:</b>	25004511 (GRANT BONE & JOINT)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11841">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11841</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19536">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19536</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13326	<b>Lat:</b>	39.95962
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99108
<b>Release No:</b>	25004511 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	323 E Town St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4774	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25004511 - N00001 GRANT BONE & JOINT		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	250279300.0	<b>Facility Name:</b>	GRANT BONE & JOINT
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	323 E TOWN ST
<b>Release Date:</b>	11/1/1990	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	4/6/1992	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.959652
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.991272
<b>Rules:</b>	1992	<b>Last Review Date:</b>	4/6/1992
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	8/29/2023
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	16930		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">57</a>	2 of 2	NE	0.38 / 2,001.37	763.33 / 9	GRANT BONE & JOINT 323 E TOWN ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25004511-N00002
<b>Release No (Map):</b>	25004511 - N00002
<b>Facility Name (Map):</b>	GRANT BONE & JOINT
<b>Address (Map):</b>	323 E TOWN ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.95962
<b>Longitude (Map):</b>	-82.99108
<b>Release No (Web):</b>	25004511-N00002
<b>Facility Name (Web):</b>	GRANT BONE & JOINT
<b>Address (Web):</b>	323 E TOWN ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.959652
<b>Longitude (Web):</b>	-82.991272
<b>Release No (BUSTR):</b>	25004511 - N00002
<b>Facility Name (BUSTR):</b>	GRANT BONE & JOINT
<b>Address (BUSTR):</b>	323 E TOWN ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.959652
<b>Longitude (BUSTR):</b>	-82.991272
<b>Release No (OTTER):</b>	N00002
<b>Fac No and Name(OTTER):</b>	25004511 (GRANT BONE & JOINT)
<b>Address (OTTER):</b>	323 E TOWN ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43215
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	8/22/2006
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	08/21/2006
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	06/06/2006	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:**  
**Tank Status:** Both  
**Facility:** 25004511 (GRANT BONE & JOINT)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11841>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14800>

**Date Reported:** 6/6/2006  
**Owner Busi Name:** GRANT MEDICAL CENTER

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13327	<b>Lat:</b>	39.95962
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99108
<b>Release No:</b>	25004511 - N00002	<b>Match:</b>	S80
<b>Address Out:</b>	323 E Town St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4774	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25004511 - N00002 GRANT BONE & JOINT		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	GRANT BONE & JOINT
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	323 E TOWN ST
<b>Release Date:</b>	6/6/2006	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	8/22/2006	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.959652
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.991272
<b>Rules:</b>	2005	<b>Last Review Date:</b>	8/21/2006
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/28/2012
<b>Rating:</b>	1	<b>County:</b>	Franklin
<b>Sequence No:</b>	16931		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">58</a>	1 of 1	NW	0.38 / 2,022.52	749.98 / -5	Test record 50 W Town St Test Columbus OH 43211-	DERR
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<b>DERR ID (Map):</b>		<b>DERR ID:</b>	125003507
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>		<b>Activity:</b>	
<b>Name (Map):</b>		<b>Name:</b>	Test record
<b>Address (Map):</b>		<b>Address:</b>	50 W Town St Test
<b>City (Map):</b>		<b>City:</b>	Columbus
<b>Zip (Map):</b>		<b>Postal Code:</b>	43211-
<b>County (Map):</b>		<b>County:</b>	Franklin
<b>Latitude (Map):</b>		<b>Latitude:</b>	38.25
<b>Longitude (Map):</b>		<b>Longitude:</b>	-82.1233
<b>OEPA Distr (Map):</b>		<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>			
<b>Data Source:</b>	Ohio EPA: DERR Database		

<a href="#">59</a>	1 of 1	NNE	0.39 / 2,041.14	757.63 / 3	SHOEDINGER FUNERAL HOME 229 E STATE ST COLUMBUS OH 43215	LUST
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**Release No:** 25010593-N00001  
**Release No (Map):** 25010593 - N00001  
**Facility Name (Map):** SHOEDINGER FUNERAL HOME  
**Address (Map):** 229 E STATE ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.96073

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Longitude (Map):</b>		-82.99392				
<b>Release No (Web):</b>		25010593-N00001				
<b>Facility Name (Web):</b>		SHOEDINGER FUNERAL HOME				
<b>Address (Web):</b>		229 E STATE ST				
<b>City (Web):</b>		COLUMBUS				
<b>State (Web):</b>		OH				
<b>Zip (Web):</b>		43215				
<b>County (Web):</b>		Franklin				
<b>Latitude (Web):</b>		39.960787				
<b>Longitude (Web):</b>		-82.993776				
<b>Release No (BUSTR):</b>		25010593 - N00001				
<b>Facility Name (BUSTR):</b>		SHOEDINGER FUNERAL HOME				
<b>Address (BUSTR):</b>		229 E STATE ST				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43215				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.960787				
<b>Longitude (BUSTR):</b>		-82.993776				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25010593 (SHOEDINGER FUNERAL HOME)				
<b>Address (OTTER):</b>		229 E STATE ST				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	8/1/1994
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	08/01/1994
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	10/16/1991	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	251267600.0	<b>Date Reported:</b>	10/16/1991
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	SHOEDINGER FUNERAL HOME
<b>Facility:</b>	25010593 (SHOEDINGER FUNERAL HOME)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14830">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14830</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18930">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18930</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14337	<b>Lat:</b>	39.96073
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99392
<b>Release No:</b>	25010593 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	229 E State St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4342	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010593 - N00001 SHOEDINGER FUNERAL HOME		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	251267600.0	<b>Facility Name:</b>	SHOEDINGER FUNERAL HOME
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	229 E STATE ST
<b>Release Date:</b>	10/16/1991	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	8/1/1994	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Priority:</b>	2				<b>Facility Latitude:</b> 39.960787	
<b>Class:</b>	D				<b>Facility Longitude:</b> -82.993776	
<b>Rules:</b>	1992				<b>Last Review Date:</b> 8/1/1994	
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> Charles Zepp	
<b>LTF:</b>	6 Closure of regulated UST				<b>Last Update Date:</b> 3/11/2022	
<b>Rating:</b>					<b>County:</b> Franklin	
<b>Sequence No:</b>	33516					
<b>Class Desc:</b>	A viable RP has been identified					

<a href="#">60</a>	1 of 2	<b>NNE</b>	<b>0.39 / 2,083.07</b>	<b>759.42 / 5</b>	<b>O R WOODYARD 263 E STATE ST COLUMBUS OH 43216</b>	<b>DELISTED LST</b>
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**Delisted Petroleum Release List**

<b>Incident No:</b>		<b>Priority:</b>	
<b>S. No:</b>		<b>Class Code:</b>	D
<b>Release No:</b>	25011121 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Release Date:</b>		<b>Rules:</b>	2012
<b>Release Status:</b>	T1I: Tier 1 Investigation	<b>Coordinator:</b>	David Israel
<b>Facility Status:</b>		<b>Rating:</b>	
<b>Sub Status:</b>	Approved	<b>County:</b>	Franklin
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Facility Latitude:</b>	
<b>FR Status:</b>		<b>Facility Longitude:</b>	
<b>Last Update:</b>	David Israel	<b>Source Name(s):</b>	
<b>Last Update Date:</b>	10/5/2017	<b>Source List:</b>	
<b>Last Status Update:</b>	10/5/2017	<b>Original Source:</b>	NLUT
<b>Review Date:</b>		<b>Record Date:</b>	05-OCT-2017
<b>Date Unknown:</b>			

<a href="#">60</a>	2 of 2	<b>NNE</b>	<b>0.39 / 2,083.07</b>	<b>759.42 / 5</b>	<b>O R WOODYARD 263 E STATE ST COLUMBUS OH 43216</b>	<b>LUST</b>
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<b>Release No:</b>	25011121-N00001
<b>Release No (Map):</b>	25011121 - N00001
<b>Facility Name (Map):</b>	O R WOODYARD
<b>Address (Map):</b>	263 E STATE ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43216
<b>Latitude (Map):</b>	39.960587
<b>Longitude (Map):</b>	-82.993028
<b>Release No (Web):</b>	25011121-N00001
<b>Facility Name (Web):</b>	O R WOODYARD
<b>Address (Web):</b>	263 E STATE ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43216
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.960587
<b>Longitude (Web):</b>	-82.993028
<b>Release No (BUSTR):</b>	25011121 - N00001
<b>Facility Name (BUSTR):</b>	O R WOODYARD
<b>Address (BUSTR):</b>	263 E STATE ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43216
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.960587
<b>Longitude (BUSTR):</b>	-82.993028
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25011121 (O R WOODYARD)
<b>Address (OTTER):</b>	263 E STATE ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Zip (OTTER):** 43216  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	11/6/2017
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	11/06/2017
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	
<b>Release Date:</b>		<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	
<b>Facility:</b>	25011121 (O R WOODYARD)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32493">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32493</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=39071">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=39071</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14694	<b>Lat:</b>	39.960587
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.993028
<b>Release No:</b>	25011121 - N00001	<b>Match:</b>	S90
<b>Address Out:</b>	263 E State St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43216
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4342	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25011121 - N00001 O R WOODYARD		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	O R WOODYARD
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	263 E STATE ST
<b>Release Date:</b>		<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	11/6/2017	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43216
<b>Priority:</b>		<b>Facility Latitude:</b>	39.960587
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.993028
<b>Rules:</b>	2012	<b>Last Review Date:</b>	11/6/2017
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Tanya Nell
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	12/29/2020
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	25955		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">61</a>	1 of 1	ESE	0.39 / 2,083.22	768.08 / 13	ORPHAN TANK 386 E LIVINGSTON AVE COLUMBUS OH 43215	LUST
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**Release No:** 25011093-N00001  
**Release No (Map):** 25011093 - N00001  
**Facility Name (Map):** ORPHAN TANK  
**Address (Map):** 386 E LIVINGSTON AVE  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.952589  
**Longitude (Map):** -82.988234  
**Release No (Web):** 25011093-N00001  
**Facility Name (Web):** ORPHAN TANK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Address (Web):** 386 E LIVINGSTON AVE  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.952589  
**Longitude (Web):** -82.988234  
**Release No (BUSTR):** 25011093 - N00001  
**Facility Name (BUSTR):** ORPHAN TANK  
**Address (BUSTR):** 386 E LIVINGSTON AVE  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.952589  
**Longitude (BUSTR):** -82.988234  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25011093 (ORPHAN TANK)  
**Address (OTTER):** 386 E LIVINGSTON AVE  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Active	<b>Date Last Change:</b>	3/27/2020
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	01/18/2024
<b>FR Status:</b>	CLO: Closure	<b>Priority:</b>	2
<b>Release Date:</b>	05/12/2015	<b>Class:</b>	A
<b>Class Description:</b>	A Responsible Party (RP) for the release has not yet been determined		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	5/12/2015
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	
<b>Facility:</b>	25011093 (ORPHAN TANK)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32249">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#32249</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=43095">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=43095</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14679	<b>Lat:</b>	39.952589
<b>FR Status:</b>	CLO: Closure	<b>Long:</b>	-82.988234
<b>Release No:</b>	25011093 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	386 E Livingston Ave	<b>LOC QUAL:</b>	AS0
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5530	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25011093 - N00001 ORPHAN TANK		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	ORPHAN TANK
<b>Status:</b>	CLO: Closure	<b>Facility Address:</b>	386 E LIVINGSTON AVE
<b>Release Date:</b>	5/12/2015	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/27/2020	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Required	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.952589
<b>Class:</b>	A	<b>Facility Longitude:</b>	-82.988234
<b>Rules:</b>	2012	<b>Last Review Date:</b>	1/18/2024

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> David Israel	
<b>LTF:</b>	6 Closure of regulated UST				<b>Last Update Date:</b> 1/18/2024	
<b>Rating:</b>					<b>County:</b> Franklin	
<b>Sequence No:</b>	27782					
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined					

[62](#) 1 of 3 **NE** 0.40 / 2,115.95 760.73 / 6 **GRANT MEDICAL CENTER  
340 EAST TOWN STREET  
COLUMBUS OH 43215** **LUST**

**Release No:** 25010424-N00001  
**Release No (Map):** 25010424 - N00001  
**Facility Name (Map):** GRANT MEDICAL CENTER  
**Address (Map):** 340 EAST TOWN STREET  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.961  
**Longitude (Map):** -82.9916  
**Release No (Web):** 25010424-N00001  
**Facility Name (Web):** GRANT MEDICAL CENTER  
**Address (Web):** 340 EAST TOWN STREET  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.959971  
**Longitude (Web):** -82.990944  
**Release No (BUSTR):** 25010424 - N00001  
**Facility Name (BUSTR):** GRANT MEDICAL CENTER  
**Address (BUSTR):** 340 EAST TOWN STREET  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.959971  
**Longitude (BUSTR):** -82.990944  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010424 (GRANT MEDICAL CENTER)  
**Address (OTTER):** 340 EAST TOWN STREET  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive **Date Last Change:** 12/11/1997  
**LTF Status:** 6 Closure of regulated UST **Review Date:** 12/11/1997  
**FR Status:** NFA: No Further Action **Priority:** 2  
**Release Date:** 09/24/1997 **Class:** D  
**Class Description:** A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** 257103900.0 **Date Reported:** 9/24/1997  
**Tank Status:** No Tanks Available **Owner Busi Name:** GRANT MEDICAL CENTER  
**Facility:** 25010424 (GRANT MEDICAL CENTER)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14626>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18886>

**BUSTR Map: All Environmental**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Object ID:</b>	14170				<b>Lat:</b> 39.961	
<b>FR Status:</b>	NFA: No Further Action				<b>Long:</b> -82.9916	
<b>Release No:</b>	25010424 - N00001				<b>Match:</b> S80	
<b>Address Out:</b>	340 E Town St				<b>LOC QUAL:</b> MAF3	
<b>City Out:</b>	Columbus				<b>Facility Z:</b> 43215	
<b>State Out:</b>	OH				<b>Loc Conf:</b> 1	
<b>ZIP Out:</b>	43215-4600				<b>Date Processed:</b> 1/1/1970, 12:36 AM	
<b>Label:</b>	25010424 - N00001 GRANT MEDICAL CENTER					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	257103900.0	<b>Facility Name:</b>	GRANT MEDICAL CENTER
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	340 EAST TOWN STREET
<b>Release Date:</b>	9/24/1997	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	12/11/1997	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.959971
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.990944
<b>Rules:</b>	1992	<b>Last Review Date:</b>	12/11/1997
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	1/28/2022
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	16936		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">62</a>	2 of 3	NE	0.40 / 2,115.95	760.73 / 6	GRANT MEDICAL CENTER 111 S GRANT AVE COLUMBUS OH 43215	DELISTED LST
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**Delisted Petroleum Release List**

<b>Incident No:</b>		<b>Priority:</b>	2
<b>S. No:</b>	2707	<b>Class Code:</b>	D
<b>Release No:</b>	25002364 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Release Date:</b>	6/12/1997	<b>Rules:</b>	1992
<b>Release Status:</b>	CLO: Closure	<b>Coordinator:</b>	David Israel
<b>Facility Status:</b>		<b>Rating:</b>	14
<b>Sub Status:</b>	Required	<b>County:</b>	Franklin
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Facility Latitude:</b>	39.961022
<b>FR Status:</b>	CLO: Closure	<b>Facility Longitude:</b>	-82.990837
<b>Last Update:</b>	Charles Zepp	<b>Source Name(s):</b>	All Active LUST Sites LTF 1-9 as of 3-6-17.xls
<b>Last Update Date:</b>	3/4/2016	<b>Source List:</b>	All Active LUST Sites
<b>Last Status Update:</b>	3/4/2016	<b>Original Source:</b>	NLUT
<b>Review Date:</b>	3/4/2016	<b>Record Date:</b>	06-MAR-2017
<b>Date Unknown:</b>			

<a href="#">62</a>	3 of 3	NE	0.40 / 2,115.95	760.73 / 6	GRANT MEDICAL CENTER 111 S GRANT AVE COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25002364-N00001
<b>Release No (Map):</b>	25002364 - N00001
<b>Facility Name (Map):</b>	GRANT MEDICAL CENTER
<b>Address (Map):</b>	111 S GRANT AVE
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.961098
<b>Longitude (Map):</b>	-82.990848
<b>Release No (Web):</b>	25002364-N00001
<b>Facility Name (Web):</b>	GRANT MEDICAL CENTER
<b>Address (Web):</b>	111 S GRANT AVE
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.961022
<b>Longitude (Web):</b>	-82.990837
<b>Release No (BUSTR):</b>	25002364 - N00001
<b>Facility Name (BUSTR):</b>	GRANT MEDICAL CENTER
<b>Address (BUSTR):</b>	111 S GRANT AVE
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.961022
<b>Longitude (BUSTR):</b>	-82.990837
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25002364 (GRANT MEDICAL CENTER)
<b>Address (OTTER):</b>	111 S GRANT AVE
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	Ohio
<b>Zip (OTTER):</b>	43215
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	3/24/2017
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	03/23/2017
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	06/12/1997	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	6/12/1997
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	GRANT MEDICAL CENTER
<b>Facility:</b>	25002364 (GRANT MEDICAL CENTER)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11850">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11850</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38418">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38418</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13022	<b>Lat:</b>	39.961098
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.990848
<b>Release No:</b>	25002364 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	111 S Grant Ave	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4701	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25002364 - N00001 GRANT MEDICAL CENTER		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	GRANT MEDICAL CENTER
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	111 S GRANT AVE
<b>Release Date:</b>	6/12/1997	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/24/2017	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.961022
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.990837
<b>Rules:</b>	1992	<b>Last Review Date:</b>	3/23/2017
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Kelly Gill
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	3/24/2017
<b>Rating:</b>	14	<b>County:</b>	Franklin
<b>Sequence No:</b>	16934		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Class Desc:** A viable RP has been identified

<a href="#">63</a>	1 of 2	<b>WNW</b>	<b>0.40 / 2,116.73</b>	<b>739.11 / -16</b>	<b>OHIO BUR OF EMPLOYMENT SERVICES 145 S FRONT ST COLUMBUS OH 43215</b>	<b>LUST</b>
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**Release No:** 25001133-N00001  
**Release No (Map):** 25001133 - N00001  
**Facility Name (Map):** OHIO BUR OF EMPLOYMENT SERVICES  
**Address (Map):** 145 S FRONT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.958864  
**Longitude (Map):** -83.002009  
**Release No (Web):** 25001133-N00001  
**Facility Name (Web):** OHIO BUR OF EMPLOYMENT SERVICES  
**Address (Web):** 145 S FRONT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.958005  
**Longitude (Web):** -83.001812  
**Release No (BUSTR):** 25001133 - N00001  
**Facility Name (BUSTR):** OHIO BUR OF EMPLOYMENT SERVICES  
**Address (BUSTR):** 145 S FRONT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.958005  
**Longitude (BUSTR):** -83.001812  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25001133 (OHIO BUR OF EMPLOYMENT SERVICES)  
**Address (OTTER):** 145 S FRONT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	7/10/2014
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	07/09/2014
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	09/19/1997	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	257104300.0	<b>Date Reported:</b>	9/19/1997
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	OHIO BUR OF EMPLOYMENT SERVICES
<b>Facility:</b>	25001133 (OHIO BUR OF EMPLOYMENT SERVICES)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#31481">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#31481</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14620">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14620</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12506	<b>Lat:</b>	39.958864
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.002009
<b>Release No:</b>	25001133 - N00001	<b>Match:</b>	S80

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Address Out:</b>	145 S Front St				<b>LOC QUAL:</b> AS0	
<b>City Out:</b>	Columbus				<b>Facility Z:</b> 43215	
<b>State Out:</b>	OH				<b>Loc Conf:</b> 2	
<b>ZIP Out:</b>	43215-4116				<b>Date Processed:</b> 1/1/1970, 12:36 AM	
<b>Label:</b>	25001133 - N00001 OHIO BUR OF EMPLOYMENT SERVICES					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	257104300.0	<b>Facility Name:</b>	OHIO BUR OF EMPLOYMENT SERVICES
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	145 S FRONT ST
<b>Release Date:</b>	9/19/1997	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	7/10/2014	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.958005
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.001812
<b>Rules:</b>	2012	<b>Last Review Date:</b>	7/9/2014
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Kelly Gill
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	7/10/2014
<b>Rating:</b>	4	<b>County:</b>	Franklin
<b>Sequence No:</b>	26988		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">63</a>	2 of2	WNW	0.40 / 2,116.73	739.11 / -16	OHIO BUR OF EMPLOYMENT SERVICES 145 S FRONT ST COLUMBUS OH 43215-4156	DELISTED LST
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**Delisted Petroleum Release List**

<b>Incident No:</b>		<b>Priority:</b>	2
<b>S. No:</b>	4109	<b>Class Code:</b>	D
<b>Release No:</b>	25001133 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Release Date:</b>	09/19/1997	<b>Rules:</b>	2012
<b>Release Status:</b>		<b>Coordinator:</b>	David Israel
<b>Facility Status:</b>		<b>Rating:</b>	4
<b>Sub Status:</b>	Required	<b>County:</b>	Franklin
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Facility Latitude:</b>	
<b>FR Status:</b>	T1S: Tier 1 Source Investigation	<b>Facility Longitude:</b>	
<b>Last Update:</b>	David Israel	<b>Source Name(s):</b>	
<b>Last Update Date:</b>	05-FEB-13	<b>Source List:</b>	
<b>Last Status Update:</b>	02/05/2013	<b>Original Source:</b>	NLUT
<b>Review Date:</b>		<b>Record Date:</b>	Up to Aug 2013
<b>Date Unknown:</b>	02/05/2013		

<a href="#">64</a>	1 of2	SSW	0.40 / 2,117.59	750.44 / -4	GRANGE INSURANCE 671 S HIGH STREET COLUMBUS OH 43206	LUST
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<b>Release No:</b>	25000148-N00001
<b>Release No (Map):</b>	25000148 - N00001
<b>Facility Name (Map):</b>	GRANGE INSURANCE
<b>Address (Map):</b>	650 S FRONT STREET
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43206
<b>Latitude (Map):</b>	39.9484
<b>Longitude (Map):</b>	-82.99947
<b>Release No (Web):</b>	25000148-N00001
<b>Facility Name (Web):</b>	GRANGE INSURANCE
<b>Address (Web):</b>	671 S HIGH STREET
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43206
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.9482980

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Longitude (Web):</b>		-82.998831				
<b>Release No (BUSTR):</b>		25000148 - N00001				
<b>Facility Name (BUSTR):</b>		GRANGE INSURANCE				
<b>Address (BUSTR):</b>		671 S HIGH STREET				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43206				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.9482980				
<b>Longitude (BUSTR):</b>		-82.998831				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25000148 (GRANGE INSURANCE)				
<b>Address (OTTER):</b>		671 S HIGH STREET				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43206				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	5/10/2006
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	05/09/2006
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	04/17/2002	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	4/17/2002
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	GRANGE INSURANCE
<b>Facility:</b>	25000148 (GRANGE INSURANCE)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23012">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23012</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=15107">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=15107</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	11677	<b>Lat:</b>	39.9484
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99947
<b>Release No:</b>	25000148 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	650 S Front St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43206
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43206-1014	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000148 - N00001 GRANGE INSURANCE		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	GRANGE INSURANCE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	671 S HIGH STREET
<b>Release Date:</b>	4/17/2002	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	5/10/2006	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43206
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.9482980
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998831
<b>Rules:</b>	1999	<b>Last Review Date:</b>	5/9/2006
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/28/2012
<b>Rating:</b>	2	<b>County:</b>	Franklin
<b>Sequence No:</b>	16925		
<b>Class Desc:</b>	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">64</a>	2 of 2	SSW	0.40 / 2,117.59	750.44 / -4	GRANGE INSURANCE 671 S HIGH STREET COLUMBUS OH 43206	LUST

**Release No:** 25000148-N00002  
**Release No (Map):** 25000148 - N00002  
**Facility Name (Map):** GRANGE INSURANCE  
**Address (Map):** 650 S FRONT STREET  
**City (Map):** COLUMBUS  
**Zip (Map):** 43206  
**Latitude (Map):** 39.9484  
**Longitude (Map):** -82.99947  
**Release No (Web):** 25000148-N00002  
**Facility Name (Web):** GRANGE INSURANCE  
**Address (Web):** 671 S HIGH STREET  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43206  
**County (Web):** Franklin  
**Latitude (Web):** 39.9482980  
**Longitude (Web):** -82.998831  
**Release No (BUSTR):** 25000148 - N00002  
**Facility Name (BUSTR):** GRANGE INSURANCE  
**Address (BUSTR):** 671 S HIGH STREET  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43206  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.9482980  
**Longitude (BUSTR):** -82.998831  
**Release No (OTTER):** N00002  
**Fac No and Name(OTTER):** 25000148 (GRANGE INSURANCE)  
**Address (OTTER):** 671 S HIGH STREET  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43206  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	3/27/2007
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	03/27/2007
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	02/02/2007	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	2/2/2007
<b>Tank Status:</b>	Both	<b>Owner Busi Name:</b>	GRANGE INSURANCE
<b>Facility:</b>	25000148 (GRANGE INSURANCE)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23012">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23012</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=15108">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=15108</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	11678	<b>Lat:</b>	39.9484
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.99947
<b>Release No:</b>	25000148 - N00002	<b>Match:</b>	S80
<b>Address Out:</b>	650 S Front St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43206
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
ZIP Out:	43206-1014				Date Processed:	1/1/1970, 12:36 AM
Label:	25000148 - N00002 GRANGE INSURANCE					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	GRANGE INSURANCE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	671 S HIGH STREET
<b>Release Date:</b>	2/2/2007	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	3/27/2007	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43206
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.9482980
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.998831
<b>Rules:</b>	2005	<b>Last Review Date:</b>	3/27/2007
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Tanya Nell
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/7/2022
<b>Rating:</b>	1	<b>County:</b>	Franklin
<b>Sequence No:</b>	16926		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">65</a>	1 of 2	WSW	0.41 / 2,178.15	715.53 / -39	CAPITAL MFG 153 W FULTON COLUMBUS OH 43216	LUST
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<b>Release No:</b>	25010245-N00001
<b>Release No (Map):</b>	25010245 - N00001
<b>Facility Name (Map):</b>	CAPITAL MFG
<b>Address (Map):</b>	153 W FULTON
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43216
<b>Latitude (Map):</b>	39.9526
<b>Longitude (Map):</b>	-83.001097
<b>Release No (Web):</b>	25010245-N00001
<b>Facility Name (Web):</b>	CAPITAL MFG
<b>Address (Web):</b>	153 W FULTON
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43216
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.952567
<b>Longitude (Web):</b>	-83.000955
<b>Release No (BUSTR):</b>	25010245 - N00001
<b>Facility Name (BUSTR):</b>	CAPITAL MFG
<b>Address (BUSTR):</b>	153 W FULTON
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43216
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.952567
<b>Longitude (BUSTR):</b>	-83.000955
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25010245 (CAPITAL MFG)
<b>Address (OTTER):</b>	153 W FULTON
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43216
<b>County (OTTER):</b>	Franklin
<b>Data Source:</b>	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	6/1/1999
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	06/01/1999
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	09/17/1991	<b>Class:</b>	D

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Class Description:** A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	251221000.0	<b>Date Reported:</b>	9/17/1991
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	CAPITAL MFG
<b>Facility:</b>	25010245 (CAPITAL MFG)		
<b>Facility Link:</b>	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14390		
<b>Release Link:</b>	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19066		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14002	<b>Lat:</b>	39.9526
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.001097
<b>Release No:</b>	25010245 - N00001	<b>Match:</b>	T91
<b>Address Out:</b>	153 W Fulton St	<b>LOC QUAL:</b>	ASO
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43216
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010245 - N00001 CAPITAL MFG		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	251221000.0	<b>Facility Name:</b>	CAPITAL MFG
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	153 W FULTON
<b>Release Date:</b>	9/17/1991	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	6/1/1999	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43216
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.952567
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.000955
<b>Rules:</b>	1992	<b>Last Review Date:</b>	6/1/1999
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	1/4/2022
<b>Rating:</b>	2	<b>County:</b>	Franklin
<b>Sequence No:</b>	5998		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">65</a>	2 of 2	WSW	0.41 / 2,178.15	715.53 / -39	CAPITAL MANUFACTURING / BREWERY DISTRICT 153 WEST FULTON AVENUE COLUMBUS OH	DELISTED DERR
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<b>DERR ID (Map):</b>		<b>DERR ID:</b>	125001654
<b>Cerclis ID (Map):</b>		<b>Cerclis ID:</b>	
<b>Activity (Map):</b>		<b>Program:</b>	
<b>Name (Map):</b>		<b>Name:</b>	CAPITAL MANUFACTURING / BREWERY DISTRICT
<b>Address (Map):</b>		<b>Address:</b>	153 WEST FULTON AVENUE
<b>City (Map):</b>		<b>City:</b>	COLUMBUS
<b>Zip (Map):</b>		<b>Postal Code:</b>	
<b>County (Map):</b>		<b>County:</b>	FRANKLIN
<b>Latitude (Map):</b>		<b>Latitude:</b>	
<b>Longitude (Map):</b>		<b>Longitude:</b>	
<b>OEPA District (Map):</b>		<b>District:</b>	CENTRAL DISTRICT OFFICE
<b>ODOT District (Map):</b>			
<b>Data Source:</b>			
<b>Original Source:</b>	DERR		
<b>Record Date:</b>	11-APR-2016		

<a href="#">66</a>	1 of 2	SW	0.43 / 2,260.79	749.50 / -5	COLUMBUS DISPATCH 631 FRONT ST (N OF BLDG) COLUMBUS OH 43215	LUST
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Release No:</b>		25010640-N00001				
<b>Release No (Map):</b>		25010640 - N00001				
<b>Facility Name (Map):</b>		COLUMBUS DISPATCH				
<b>Address (Map):</b>		631 FRONT ST (N OF BLDG)				
<b>City (Map):</b>		COLUMBUS				
<b>Zip (Map):</b>		43215				
<b>Latitude (Map):</b>		39.949128				
<b>Longitude (Map):</b>		-83.000115				
<b>Release No (Web):</b>		25010640-N00001				
<b>Facility Name (Web):</b>		COLUMBUS DISPATCH				
<b>Address (Web):</b>		631 FRONT ST (N OF BLDG)				
<b>City (Web):</b>		COLUMBUS				
<b>State (Web):</b>		OH				
<b>Zip (Web):</b>		43215				
<b>County (Web):</b>		Franklin				
<b>Latitude (Web):</b>		39.949125				
<b>Longitude (Web):</b>		-83.000116				
<b>Release No (BUSTR):</b>		25010640 - N00001				
<b>Facility Name (BUSTR):</b>		COLUMBUS DISPATCH				
<b>Address (BUSTR):</b>		631 FRONT ST (N OF BLDG)				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43215				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.949125				
<b>Longitude (BUSTR):</b>		-83.000116				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25010640 (COLUMBUS DISPATCH)				
<b>Address (OTTER):</b>		631 FRONT ST (N OF BLDG)				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43215				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	10/16/1992
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	11/04/1992
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	10/09/1990	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	250229201.0	<b>Date Reported:</b>	10/9/1990
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	COLUMBUS DISPATCH
<b>Facility:</b>	25010640 (COLUMBUS DISPATCH)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14893">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#14893</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18897">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18897</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14378	<b>Lat:</b>	39.949128
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.000115
<b>Release No:</b>	25010640 - N00001	<b>Match:</b>	S82
<b>Address Out:</b>	631 S Front St	<b>LOC QUAL:</b>	A10
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5626	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010640 - N00001 COLUMBUS DISPATCH		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	250229201.0	<b>Facility Name:</b>	COLUMBUS DISPATCH
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	631 FRONT ST (N OF BLDG)
<b>Release Date:</b>	10/9/1990	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	10/16/1992	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.949125
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.000116
<b>Rules:</b>	1992	<b>Last Review Date:</b>	11/4/1992
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	4/4/2022
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	9235		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">66</a>	2 of 2	SW	0.43 / 2,260.79	749.50 / -5	COLUMBUS DISPATCH 631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	LUST
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**Release No:** 25010641-N00001  
**Release No (Map):** 25010641 - N00001  
**Facility Name (Map):** COLUMBUS DISPATCH  
**Address (Map):** 631 FRONT ST (S OF BLDG)  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.949128  
**Longitude (Map):** -83.000115

**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**

**Release No (BUSTR):** 25010641 - N00001  
**Facility Name (BUSTR):** COLUMBUS DISPATCH  
**Address (BUSTR):** 631 FRONT ST (S OF BLDG)  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.949125  
**Longitude (BUSTR):** -83.000116

**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**  
**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**

**Data Source:** Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14379	<b>Lat:</b>	39.949128
<b>FR Status:</b>	ICA: Initial Corrective Actions Initiated	<b>Long:</b>	-83.000115
<b>Release No:</b>	25010641 - N00001	<b>Match:</b>	S82
<b>Address Out:</b>	631 S Front St	<b>LOC QUAL:</b>	A10
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5626	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010641 - N00001 COLUMBUS DISPATCH		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	250229202.0	<b>Facility Name:</b>	COLUMBUS DISPATCH
<b>Status:</b>	CLO: Closure	<b>Facility Address:</b>	631 FRONT ST (S OF BLDG)
<b>Release Date:</b>	2/21/1991	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	2/21/1991	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Submitted	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.949125
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.000116
<b>Rules:</b>	1992	<b>Last Review Date:</b>	2/21/1991
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Last Update Date:</b>	4/4/2022
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	9236		
<b>Class Desc:</b>	A viable RP has been identified		

<u>67</u>	1 of 1	W	0.43 / 2,289.53	715.91 / -39	D A STUART CO  COLUMBUS OH	PFAS IND
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<b>Status:</b>	Inactive	<b>Fac Fips Code:</b>	39049
<b>Fac Indian Cntry Flg:</b>	No	<b>Compliance Status:</b>	No Violation Identified
<b>Fac Derived Huc:</b>	05060001	<b>EPA Programs:</b>	RCRA
<b>Fac Derived Wbd:</b>	050600012302	<b>Federal Facility:</b>	No
<b>Fac Derived Cd113:</b>	03	<b>Federal Agency:</b>	-
<b>Fac Derived Cb2010:</b>	390490040001090	<b>Fac Snc Flg:</b>	No
<b>Fac Informal Count:</b>	0	<b>AIR Flg:</b>	No
<b>Last Informal Action:</b>	-	<b>NPDES Flg:</b>	No
<b>Formal Action Count:</b>	0	<b>SDWIS Flg:</b>	No
<b>Last Formal Action:</b>	-	<b>RCRA Flg:</b>	Yes
<b>Fac Total Penalties:</b>	0	<b>TRI Flg:</b>	No
<b>Fac Penalty Count:</b>	-	<b>GHG Flg:</b>	No
<b>Date Last Penalty:</b>	-	<b>TRI IDs:</b>	43216STRTR270WE
<b>Last Penalty Amt:</b>	-	<b>TRI Releases Trnsfrs:</b>	-
<b>Fac Qtrs With Nc:</b>	0	<b>TRI on Site Releases:</b>	-
<b>Programs With Snc:</b>	0	<b>TRI off Site Trnsfrs:</b>	-
<b>Fac Percent Minority:</b>	42.733	<b>TRI Reporter:</b>	-
<b>Fac Pop Den:</b>	4385.27	<b>Fac Imp Water Flg:</b>	-
<b>Count:</b>	1	<b>Fac Major Flg:</b>	-
<b>Fac County:</b>	FRANKLIN	<b>Fac Active Flg:</b>	-
<b>State Other :</b>		<b>Fac Inspection Count:</b>	0
<b>Region:</b>	05	<b>Date Last Inspection:</b>	10/28/1991
<b>Latitude:</b>	39.954228	<b>Days Last Inspection:</b>	11933
<b>Longitude:</b>	-83.004483		
<b>Fac Derived Tribes:</b>	-		
<b>AIR IDs:</b>	-		
<b>CAA Permit Types:</b>	-		
<b>CAA NAICS:</b>	-		
<b>CAA SICS:</b>	-		
<b>NPDES IDs:</b>	-		
<b>CWA Permit Types:</b>	-		
<b>CWA NAICS:</b>	-		
<b>CWA SICS:</b>	-		
<b>RCRA IDs:</b>	OHD004495206		
<b>RCRA Permit Types:</b>	Other		
<b>RCRA NAICS:</b>	-		
<b>SDWA IDs:</b>	-		
<b>SDWA System Types:</b>	-		
<b>SDWA Compliance Status:</b>	-		
<b>SDWA Snc Flg:</b>	No		
<b>Fac Collection Meth:</b>	ADDRESS MATCHING-HOUSE NUMBER		
<b>EJSCREEN Flag Us:</b>	No		
<b>EJSCREEN Report:</b>	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.004483,%22y%22:39.954228,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-83.004483,%22y%22:39.954228,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>		
<b>ECHO Facility Report:</b>	<a href="https://echo.epa.gov/detailed-facility-report?fid=110002109325">https://echo.epa.gov/detailed-facility-report?fid=110002109325</a>		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Industry: Plastics and Resins

<a href="#">68</a>	1 of 1	W	0.43 / 2,294.72	715.91 / -39	IRONSIDES CO 270 W MOUND COLUMBUS OH 43215	LUST
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**Release No:** 25010001-N00001  
**Release No (Map):** 25010001 - N00001  
**Facility Name (Map):** IRONSIDES CO  
**Address (Map):** 270 W MOUND  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.954008  
**Longitude (Map):** -83.00694  
**Release No (Web):** 25010001-N00001  
**Facility Name (Web):** IRONSIDES CO  
**Address (Web):** 270 W MOUND  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.954077  
**Longitude (Web):** -83.006352  
**Release No (BUSTR):** 25010001 - N00001  
**Facility Name (BUSTR):** IRONSIDES CO  
**Address (BUSTR):** 270 W MOUND  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.954077  
**Longitude (BUSTR):** -83.006352  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010001 (IRONSIDES CO)  
**Address (OTTER):** 270 W MOUND  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	10/5/1992
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	10/05/1992
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	01/31/1990	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	250030100.0	<b>Date Reported:</b>	1/31/1990
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	IRONSIDES CO
<b>Facility:</b>	25010001 (IRONSIDES CO)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#12513">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#12513</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19261">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19261</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13755	<b>Lat:</b>	39.954008
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.00694
<b>Release No:</b>	25010001 - N00001	<b>Match:</b>	S81
<b>Address Out:</b>	270 W Mound St	<b>LOC QUAL:</b>	AS0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>City Out:</b>	Columbus				<b>Facility Z:</b> 43215	
<b>State Out:</b>	OH				<b>Loc Conf:</b> 2	
<b>ZIP Out:</b>	43215-5024				<b>Date Processed:</b> 1/1/1970, 12:36 AM	
<b>Label:</b>	25010001 - N00001 IRONSIDES CO					

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	250030100.0	<b>Facility Name:</b>	IRONSIDES CO
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	270 W MOUND
<b>Release Date:</b>	1/31/1990	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	10/5/1992	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.954077
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.006352
<b>Rules:</b>	1992	<b>Last Review Date:</b>	10/5/1992
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	8/10/2021
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	18973		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">69</a>	1 of 1	NNW	0.43 / 2,295.67	764.34 / 10	RICKENBACKER ANGB GENERAL FILE COLUMBUS OH 43217	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>	259116400.0	<b>Class:</b>	D
<b>Release No:</b>	25010509 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	RPT: a possible incident is reported	<b>Rules:</b>	2005
<b>Sub Status:</b>		<b>Coordinator:</b>	David Israel
<b>Release Date:</b>	1/9/1989	<b>County:</b>	Franklin
<b>LTF:</b>	5 Petro incident, not from spill/overflow/release	<b>Facility Latitude:</b>	39.9611
<b>Last Update:</b>		<b>Facility Longitude:</b>	-82.9988
<b>Last Update Date:</b>	4/28/2012	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>		<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	2		

<a href="#">70</a>	1 of 1	W	0.44 / 2,324.10	717.09 / -38	Miranova Property & Three Sites CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	USD
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<b>Site ID:</b>	125002182	<b>Polygon ID:</b>	641
<b>Project ID:</b>	125002182001	<b>Polygon Name:</b>	Miranova Property
<b>Project Type:</b>	Urban Setting Designation	<b>Staff Digitizer:</b>	Gara, Brian
<b>DERR Program:</b>	Voluntary Action Program	<b>Digitized Date:</b>	8/3/2016
<b>Status:</b>	Granted	<b>Centroid Lat:</b>	39.951953
<b>Received Date:</b>	4/6/1998	<b>Centroid Long:</b>	-83.004792
<b>Approved Date:</b>	9/24/1998	<b>Shape Length:</b>	3218.80532037
<b>USD Area Type:</b>	Property Specific	<b>Modified By:</b>	DERR_CO
<b>OEPA Dist Office:</b>	Central District Office	<b>Modified Date:</b>	8/3/2016
<b>Digitized Meth:</b>	Georeferenced Paper Map	<b>Acreage:</b>	8.13058914
<b>Map Source:</b>	Engineering Drawing	<b>County:</b>	Franklin
<b>Confidence:</b>	Medium	<b>Point X:</b>	
<b>Verification Dt:</b>	9/24/2019	<b>Point Y:</b>	
<b>Verif Outcome:</b>	Unchanged		
<b>Comments:</b>	Centrally-located polygon chosen		

<a href="#">71</a>	1 of 1	WSW	0.44 / 2,333.29	712.75 / -42	Miranova Property & Three Sites CSX RR, Fulton, Ludlow, Liberty Columbus OH 43215	USD
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Site ID:</b>	125002182				<b>Polygon ID:</b> 639	
<b>Project ID:</b>	125002182001				<b>Polygon Name:</b> City Of Columbus	
<b>Project Type:</b>	Urban Setting Designation				<b>Staff Digitizer:</b> Gara, Brian	
<b>DERR Program:</b>	Voluntary Action Program				<b>Digitized Date:</b> 8/3/2016	
<b>Status:</b>	Granted				<b>Centroid Lat:</b> 39.951953	
<b>Received Date:</b>	4/6/1998				<b>Centroid Long:</b> -83.004792	
<b>Approved Date:</b>	9/24/1998				<b>Shape Length:</b> 2526.77161656	
<b>USD Area Type:</b>	Property Specific				<b>Modified By:</b> DERR_CO	
<b>OEPA Dist Office:</b>	Central District Office				<b>Modified Date:</b> 8/3/2016	
<b>Digitized Meth:</b>	Georeferenced Paper Map				<b>Acreage:</b> 7.49856273	
<b>Map Source:</b>	Engineering Drawing				<b>County:</b> Franklin	
<b>Confidence:</b>	Medium				<b>Point X:</b>	
<b>Verification Dt:</b>	9/24/2019				<b>Point Y:</b>	
<b>Verif Outcome:</b>	Unchanged					
<b>Comments:</b>	Centrally-located polygon chosen					

<a href="#">72</a>	1 of 1	SW	0.44 / 2,334.78	748.62 / -6	COLUMBUS DISPATCH 631 FRONT ST (S OF BLDG) COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>	250229202.0	<b>Class:</b>	D
<b>Release No:</b>	25010641 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	ICA: Initial Corrective Actions Initiated	<b>Rules:</b>	
<b>Sub Status:</b>		<b>Coordinator:</b>	Ray Ladrick
<b>Release Date:</b>		<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	39.949125
<b>Last Update:</b>		<b>Facility Longitude:</b>	-83.000116
<b>Last Update Date:</b>	4/28/2012	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>		<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	3		

<a href="#">73</a>	1 of 3	WSW	0.44 / 2,345.71	712.57 / -42	CITY OF COLUMBUS FLEET MANAGEMENT 423 SHORT ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25001318-N00001
<b>Release No (Map):</b>	25001318 - N00001
<b>Facility Name (Map):</b>	CITY OF COLUMBUS
<b>Address (Map):</b>	423 SHORT ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.9525
<b>Longitude (Map):</b>	-83.005847
<b>Release No (Web):</b>	25001318-N00001
<b>Facility Name (Web):</b>	CITY OF COLUMBUS FLEET MANAGEMENT
<b>Address (Web):</b>	423 SHORT ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.952925
<b>Longitude (Web):</b>	-83.00454
<b>Release No (BUSTR):</b>	25001318 - N00001
<b>Facility Name (BUSTR):</b>	CITY OF COLUMBUS FLEET MANAGEMENT
<b>Address (BUSTR):</b>	423 SHORT ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.952925
<b>Longitude (BUSTR):</b>	-83.00454

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25001318 (CITY OF COLUMBUS FLEET MANAGEMENT)  
**Address (OTTER):** 423 SHORT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	9/8/1998
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	09/08/1998
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	02/17/1998	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	252064102.0	<b>Date Reported:</b>	2/17/1998
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	CITY OF COLUMBUS
<b>Facility:</b>	25001318 (CITY OF COLUMBUS FLEET MANAGEMENT)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28252">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28252</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20363">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=20363</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12607	<b>Lat:</b>	39.9525
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.005847
<b>Release No:</b>	25001318 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	423 Short St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5614	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25001318 - N00001 CITY OF COLUMBUS		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	252064102.0	<b>Facility Name:</b>	CITY OF COLUMBUS FLEET MANAGEMENT
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	423 SHORT ST
<b>Release Date:</b>	2/17/1998	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	9/8/1998	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.952925
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.00454
<b>Rules:</b>	1992	<b>Last Review Date:</b>	9/8/1998
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	3/22/2023
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	8018		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">73</a>	2 of 3	WSW	0.44 / 2,345.71	712.57 / -42	CITY OF COLUMBUS 423 SHORT ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>		<b>Class:</b>	D
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Release No:</b>	25001318 - N00002				<b>Class Desc:</b> A viable RP has been identified	
<b>Status:</b>	RPT: a possible incident is reported				<b>Rules:</b> 2005	
<b>Sub Status:</b>	Required				<b>Coordinator:</b> David Israel	
<b>Release Date:</b>	11/10/2010				<b>County:</b> Franklin	
<b>LTF:</b>	5 Petro incident, not from spill/overflow/release				<b>Facility Latitude:</b> 39.952925	
<b>Last Update:</b>	David Israel				<b>Facility Longitude:</b> -83.00454	
<b>Last Update Date:</b>	6/6/2012				<b>Original Source:</b> NLUT	
<b>Last Status Update:</b>	6/6/2012				<b>Record Date:</b> 09-OCT-2019	
<b>Priority:</b>	2					

[73](#) 3 of 3 WSW 0.44 / 2,345.71 712.57 / -42 CITY OF COLUMBUS 423 SHORT ST COLUMBUS OH 43215 LUST

**Release No:** 25001318-N00002  
**Release No (Map):** 25001318 - N00002  
**Facility Name (Map):** CITY OF COLUMBUS  
**Address (Map):** 423 SHORT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.9525  
**Longitude (Map):** -83.005847  
**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**  
**Release No (BUSTR):** 25001318 - N00002  
**Facility Name (BUSTR):** CITY OF COLUMBUS FLEET MANAGEMENT  
**Address (BUSTR):** 423 SHORT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.952925  
**Longitude (BUSTR):** -83.00454  
**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**  
**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**  
**Data Source:** Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b>	12608	<b>Lat:</b>	39.9525
<b>FR Status:</b>	RPT: a possible incident is reported	<b>Long:</b>	-83.005847
<b>Release No:</b>	25001318 - N00002	<b>Match:</b>	S80
<b>Address Out:</b>	423 Short St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5614	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25001318 - N00002 CITY OF COLUMBUS		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	CITY OF COLUMBUS FLEET MANAGEMENT
<b>Status:</b>	RPT: a possible incident is reported	<b>Facility Address:</b>	423 SHORT ST
<b>Release Date:</b>	11/10/2010	<b>Facility City:</b>	COLUMBUS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Last Status Updated:</b>	6/6/2012				<b>Facility State:</b> Ohio	
<b>Substatus:</b>	Required				<b>Facility ZIP:</b> 43215	
<b>Priority:</b>	2				<b>Facility Latitude:</b> 39.952925	
<b>Class:</b>	D				<b>Facility Longitude:</b> -83.00454	
<b>Rules:</b>	2005				<b>Last Review Date:</b> 6/6/2012	
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> David Israel	
<b>LTF:</b>	5 Petro incident, not from spill/overflow/release				<b>Last Update Date:</b> 6/6/2012	
<b>Rating:</b>	14				<b>County:</b> Franklin	
<b>Sequence No:</b>	8019					
<b>Class Desc:</b>	A viable RP has been identified					

[74](#) 1 of 1 **NE** 0.45 / 2,354.32 766.75 / 12 **GRANT MEDICAL CENTER** **393 E TOWN ST** **COLUMBUS OH 43215** **LUST**

**Release No:** 25003247-N00001  
**Release No (Map):** 25003247 - N00001  
**Facility Name (Map):** GRANT MEDICAL CENTER  
**Address (Map):** 393 E TOWN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95984  
**Longitude (Map):** -82.98938  
**Release No (Web):** 25003247-N00001  
**Facility Name (Web):** GRANT MEDICAL CENTER  
**Address (Web):** 393 E TOWN ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.95915  
**Longitude (Web):** -82.98920  
**Release No (BUSTR):** 25003247 - N00001  
**Facility Name (BUSTR):** GRANT MEDICAL CENTER  
**Address (BUSTR):** 393 E TOWN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.95915  
**Longitude (BUSTR):** -82.98920  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25003247 (GRANT MEDICAL CENTER)  
**Address (OTTER):** 393 E TOWN ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):** Ohio  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive  
**LTF Status:** 6 Closure of regulated UST  
**FR Status:** NFA: No Further Action  
**Release Date:** 04/09/2015  
**Class Description:** A viable RP has been identified  
**Date Last Change:** 5/29/2015  
**Review Date:** 05/29/2015  
**Priority:**  
**Class:** D

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:**  
**Tank Status:** No Tanks Available  
**Facility:** 25003247 (GRANT MEDICAL CENTER)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11852>  
**Date Reported:** 4/9/2015  
**Owner Busi Name:** GRANT MEDICAL CENTER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Release Link: <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38002>

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13206	<b>Lat:</b>	39.95984
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.98938
<b>Release No:</b>	25003247 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	393 E Town St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4741	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25003247 - N00001 GRANT MEDICAL CENTER		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	GRANT MEDICAL CENTER
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	393 E TOWN ST
<b>Release Date:</b>	4/9/2015	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	5/29/2015	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>		<b>Facility Latitude:</b>	39.95915
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.98920
<b>Rules:</b>	2012	<b>Last Review Date:</b>	5/29/2015
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Kelly Gill
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	5/29/2015
<b>Rating:</b>		<b>County:</b>	Franklin
<b>Sequence No:</b>	16935		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">75</a>	1 of 1	N	0.45 / 2,359.53	758.51 / 4	CAP-FOURTH LIMITED/PARKING LOT 30-34 S 4TH ST COLUMBUS OH 43215	LUST
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<b>Release No:</b>	25010890-N00001
<b>Release No (Map):</b>	25010890 - N00001
<b>Facility Name (Map):</b>	CAP-FOURTH LIMITED/PARKING LOT
<b>Address (Map):</b>	30-34 S 4TH ST
<b>City (Map):</b>	COLUMBUS
<b>Zip (Map):</b>	43215
<b>Latitude (Map):</b>	39.9657
<b>Longitude (Map):</b>	-83.0049
<b>Release No (Web):</b>	25010890-N00001
<b>Facility Name (Web):</b>	CAP-FOURTH LIMITED/PARKING LOT
<b>Address (Web):</b>	30-34 S 4TH ST
<b>City (Web):</b>	COLUMBUS
<b>State (Web):</b>	OH
<b>Zip (Web):</b>	43215
<b>County (Web):</b>	Franklin
<b>Latitude (Web):</b>	39.984089
<b>Longitude (Web):</b>	-82.922783
<b>Release No (BUSTR):</b>	25010890 - N00001
<b>Facility Name (BUSTR):</b>	CAP-FOURTH LIMITED/PARKING LOT
<b>Address (BUSTR):</b>	30-34 S 4TH ST
<b>City (BUSTR):</b>	COLUMBUS
<b>State (BUSTR):</b>	Ohio
<b>Zip (BUSTR):</b>	43215
<b>County (BUSTR):</b>	Franklin
<b>Latitude (BUSTR):</b>	39.984089
<b>Longitude (BUSTR):</b>	-82.922783
<b>Release No (OTTER):</b>	N00001
<b>Fac No and Name(OTTER):</b>	25010890 (CAP-FOURTH LIMITED/PARKING LOT)
<b>Address (OTTER):</b>	30-34 S 4TH ST
<b>City (OTTER):</b>	COLUMBUS
<b>State (OTTER):</b>	
<b>Zip (OTTER):</b>	43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	9/9/2005
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	07/26/2005
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	3
<b>Release Date:</b>	06/16/2005	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>		<b>Date Reported:</b>	6/16/2005
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	CASTO COMMUNITIES
<b>Facility:</b>	25010890 (CAP-FOURTH LIMITED/PARKING LOT)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#15082">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#15082</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14370">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14370</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	14543	<b>Lat:</b>	39.9657
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.0049
<b>Release No:</b>	25010890 - N00001	<b>Match:</b>	E027
<b>Address Out:</b>	30-34 S 4th St	<b>LOC QUAL:</b>	ZC5X
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	5
<b>ZIP Out:</b>	43215	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010890 - N00001 CAP-FOURTH LIMITED/PARKING LOT		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	CAP-FOURTH LIMITED/PARKING LOT
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	30-34 S 4TH ST
<b>Release Date:</b>	6/16/2005	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	9/9/2005	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43215
<b>Priority:</b>	3	<b>Facility Latitude:</b>	39.984089
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.922783
<b>Rules:</b>	2005	<b>Last Review Date:</b>	7/26/2005
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	4/28/2012
<b>Rating:</b>	14	<b>County:</b>	Franklin
<b>Sequence No:</b>	5990		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">76</a>	1 of 1	SE	0.45 / 2,375.46	762.68 / 8	POINT INVESTMENT PROPERTY 645 SOUTH GRANT AVE COLUMBUS OH 43206	LUST
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**Release No:** 25010957-N00001  
**Release No (Map):** 25010957 - N00001  
**Facility Name (Map):** POINT INVESTMENT PROPERTY  
**Address (Map):** 645 SOUTH GRANT AVE  
**City (Map):** COLUMBUS  
**Zip (Map):** 43206  
**Latitude (Map):** 39.95045  
**Longitude (Map):** -82.98981  
**Release No (Web):** 25010957-N00001  
**Facility Name (Web):** POINT INVESTMENT PROPERTY  
**Address (Web):** 645 SOUTH GRANT AVE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>City (Web):</b>		COLUMBUS				
<b>State (Web):</b>		OH				
<b>Zip (Web):</b>		43206				
<b>County (Web):</b>		Franklin				
<b>Latitude (Web):</b>		39.950380				
<b>Longitude (Web):</b>		-82.989800				
<b>Release No (BUSTR):</b>		25010957 - N00001				
<b>Facility Name (BUSTR):</b>		POINT INVESTMENT PROPERTY				
<b>Address (BUSTR):</b>		645 SOUTH GRANT AVE				
<b>City (BUSTR):</b>		COLUMBUS				
<b>State (BUSTR):</b>		Ohio				
<b>Zip (BUSTR):</b>		43206				
<b>County (BUSTR):</b>		Franklin				
<b>Latitude (BUSTR):</b>		39.950380				
<b>Longitude (BUSTR):</b>		-82.989800				
<b>Release No (OTTER):</b>		N00001				
<b>Fac No and Name(OTTER):</b>		25010957 (POINT INVESTMENT PROPERTY)				
<b>Address (OTTER):</b>		645 SOUTH GRANT AVE				
<b>City (OTTER):</b>		COLUMBUS				
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>		43206				
<b>County (OTTER):</b>		Franklin				
<b>Data Source:</b>		Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)				

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	6/21/2008
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	06/21/2008
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	02/04/2008	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	2/4/2008
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	POINT INVESTMENT PROPERTY
<b>Facility:</b>	25010957 (POINT INVESTMENT PROPERTY)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23986">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#23986</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14459">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14459</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	14598	<b>Lat:</b>	39.95045
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.98981
<b>Release No:</b>	25010957 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	645 S Grant Ave	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43206
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43206-1216	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010957 - N00001 POINT INVESTMENT PROPERTY		

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

<b>Incident No:</b>		<b>Facility Name:</b>	POINT INVESTMENT PROPERTY
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	645 SOUTH GRANT AVE
<b>Release Date:</b>	2/4/2008	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	6/21/2008	<b>Facility State:</b>	Ohio
<b>Substatus:</b>		<b>Facility ZIP:</b>	43206
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.950380
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.989800
<b>Rules:</b>	2005	<b>Last Review Date:</b>	6/21/2008
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Scott Sigler

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>LTF:</b>	1	SUS/CON	from regulated UST		<b>Last Update Date:</b> 7/6/2018	
<b>Rating:</b>	4				<b>County:</b> Franklin	
<b>Sequence No:</b>	29705					
<b>Class Desc:</b>	A viable RP has been identified					

<a href="#">77</a>	1 of 2	WSW	0.46 / 2,415.67	712.69 / -42	<b>Miranova Property &amp; Three Sites USD, Columbus CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215</b>	<b>DERR</b>
<b>DERR ID (Map):</b>	125002182				<b>DERR ID:</b> 125002182	
<b>CERCLIS ID (Map):</b>					<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	VAP - Voluntary Action Program				<b>Activity:</b> VAP - Voluntary Action Program	
<b>Name (Map):</b>	Miranova Property & Three Sites USD, Columbus				<b>Name:</b> Miranova Property & Three Sites USD, Columbus	
<b>Address (Map):</b>	CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus				<b>Address:</b> CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus	
<b>City (Map):</b>	Columbus				<b>City:</b> Columbus	
<b>Zip (Map):</b>	43215				<b>Postal Code:</b> 43215	
<b>County (Map):</b>	Franklin				<b>County:</b> Franklin	
<b>Latitude (Map):</b>	39.95293752				<b>Latitude:</b> 39.9529375248	
<b>Longitude (Map):</b>	-83.00465177				<b>Longitude:</b> -83.0046517675	
<b>OEPA Distr (Map):</b>	CDO				<b>District:</b> CDO	
<b>ODOT Distr (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Map Services Directory: DERR Database (OEPA-DERR)**

<b>Latitude:</b>	39.95293752	<b>X:</b>	-83.00464756772168
<b>Longitude:</b>	-83.00465177	<b>Y:</b>	39.9529297829031
<b>Alias:</b>			

<a href="#">77</a>	2 of 2	WSW	0.46 / 2,415.67	712.69 / -42	<b>Miranova Property &amp; Three Sites USD, Columbus CSX RR, Fulton, Ludlow, Liberty CSX RR, Mound, Civic Ctr, Main, Scioto River Columbus OH 43215</b>	<b>VCP</b>
<b>Site ID (Map):</b>	125002182				<b>Site ID:</b> 125002182	
<b>Name (Map):</b>	Miranova Property & Three Sites USD, Columbus				<b>Name:</b> Miranova Property & Three Sites USD, Columbus	
<b>Address (Map):</b>	CSX RR, Fulton, Ludlow, Liberty				<b>Street Address:</b> CSX RR, Fulton, Ludlow, Liberty	
<b>Address2 (Map):</b>	CSX RR, Mound, Civic Ctr, Main, Scioto River				<b>Street Address 2:</b> CSX RR, Mound, Civic Ctr, Main, Scioto River	
<b>City (Map):</b>	Columbus				<b>City:</b> Columbus	
<b>County (Map):</b>	Franklin				<b>County:</b> Franklin	
<b>Zip code (Map):</b>	43215				<b>Postal Code:</b> 43215	
<b>Latitude (Map):</b>	39.952938				<b>Latitude:</b> 39.9529375248	
<b>Longitude (Map):</b>	-83.004652				<b>Longitude:</b> -83.0046517675	
<b>OEPA District (Map):</b>	CDO				<b>EPA District:</b> CDO	
<b>ODOT District (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: List of All VAP Sites; Map Services Directory: VAP Sites (OEPA-DERR) (Map)					

**Ohio EPA: All VAP Site Details**

<b>Alias Name:</b>	
<b>Old Program ID:</b>	98USD007
<b>Project Type Desc:</b>	Urban Setting Designation
<b>Alias Name:</b>	
<b>Old Program ID:</b>	98USD007
<b>Project Type Desc:</b>	USD Inspection

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Alias Name:**  
**Old Program ID:**  
**Project Type Desc:** USD Inspection

**Alias Name:**  
**Old Program ID:** 97TA002  
**Project Type Desc:** VAP Technical Assistance

**Map Services Directory: VAP Site (OEPA-DEER) Details**

**Project Type:** USD Inspection  
**Old Program ID:**  
**Latitude:** 39.952938  
**Longitude:** -83.004652  
**Y:** 39.9529297829031  
**X:** -83.00464756772168

**Project Type:** USD Inspection  
**Old Program ID:** 98USD007  
**Latitude:** 39.952938  
**Longitude:** -83.004652  
**Y:** 39.9529297829031  
**X:** -83.00464756772168

**Project Type:** VAP Technical Assistance  
**Old Program ID:** 97TA002  
**Latitude:** 39.952938  
**Longitude:** -83.004652  
**Y:** 39.9529297829031  
**X:** -83.00464756772168

**Project Type:** Urban Setting Designation  
**Old Program ID:** 98USD007  
**Latitude:** 39.952938  
**Longitude:** -83.004652  
**Y:** 39.9529297829031  
**X:** -83.00464756772168

**Project Type:** USD Inspection  
**Old Program ID:** 98USD007  
**Latitude:** 39.952938  
**Longitude:** -83.004652  
**Y:** 39.9529297829031  
**X:** -83.00464756772168

<a href="#">78</a>	1 of 1	ENE	0.46 / 2,422.64	770.73 / 16	JACK SCHMIDT OLDSMOBILE 447 E MAIN ST COLUMBUS OH 43215	LUST
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**Release No:** 25008588-N00001  
**Release No (Map):** 25008588 - N00001  
**Facility Name (Map):** JACK SCHMIDT OLDSMOBILE  
**Address (Map):** 447 E MAIN ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.957141  
**Longitude (Map):** -82.987397  
**Release No (Web):** 25008588-N00001  
**Facility Name (Web):** JACK SCHMIDT OLDSMOBILE  
**Address (Web):** 447 E MAIN ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.957391  
**Longitude (Web):** -82.987327  
**Release No (BUSTR):** 25008588 - N00001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Facility Name (BUSTR):** JACK SCHMIDT OLDSMOBILE  
**Address (BUSTR):** 447 E MAIN ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.957391  
**Longitude (BUSTR):** -82.987327  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25008588 (JACK SCHMIDT OLDSMOBILE)  
**Address (OTTER):** 447 E MAIN ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	2/14/2003
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	02/14/2003
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	08/31/1998	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

<b>Old Incident ID:</b>	258131100.0	<b>Date Reported:</b>	8/31/1998
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	JACK SCHMIDT OLDSMOBILE
<b>Facility:</b>	25008588 (JACK SCHMIDT OLDSMOBILE)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#21980">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#21980</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=13594">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=13594</a>		

**BUSTR Map: All Environmental**

<b>Object ID:</b>	13596	<b>Lat:</b>	39.957141
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-82.987397
<b>Release No:</b>	25008588 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	447 E Main St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5661	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25008588 - N00001 JACK SCHMIDT OLDSMOBILE		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	258131100.0	<b>Facility Name:</b>	JACK SCHMIDT OLDSMOBILE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	447 E MAIN ST
<b>Release Date:</b>	8/31/1998	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	2/14/2003	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.957391
<b>Class:</b>	D	<b>Facility Longitude:</b>	-82.987327
<b>Rules:</b>	1992	<b>Last Review Date:</b>	2/14/2003
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	7/12/2023
<b>Rating:</b>	0	<b>County:</b>	Franklin
<b>Sequence No:</b>	19146		
<b>Class Desc:</b>	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">79</a>	1 of 3	WSW	0.46 / 2,423.67	711.74 / -43	COLUMBUS MUNICIPAL GARAGE 475 SHORT ST COLUMBUS OH 43215	LUST

**Release No:** 25001325-N00001  
**Release No (Map):** 25001325 - N00001  
**Facility Name (Map):** COLUMBUS MUNICIPAL GARAGE  
**Address (Map):** 475 SHORT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.951736  
**Longitude (Map):** -83.004374  
**Release No (Web):** 25001325-N00001  
**Facility Name (Web):** COLUMBUS MUNICIPAL GARAGE  
**Address (Web):** 475 SHORT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.952108  
**Longitude (Web):** -83.004358  
**Release No (BUSTR):** 25001325 - N00001  
**Facility Name (BUSTR):** COLUMBUS MUNICIPAL GARAGE  
**Address (BUSTR):** 475 SHORT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.952108  
**Longitude (BUSTR):** -83.004358  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25001325 (COLUMBUS MUNICIPAL GARAGE)  
**Address (OTTER):** 475 SHORT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	7/20/2012
<b>LTF Status:</b>	1 SUS/CON from regulated UST	<b>Review Date:</b>	07/05/2012
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	03/12/1992	<b>Class:</b>	D
<b>Class Description:</b>	A viable RP has been identified		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>	252064100.0	<b>Date Reported:</b>	3/12/1992
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	CITY OF COLUMBUS
<b>Facility:</b>	25001325 (COLUMBUS MUNICIPAL GARAGE)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28253">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28253</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14595">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14595</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	12612	<b>Lat:</b>	39.951736
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.004374
<b>Release No:</b>	25001325 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	475 Short St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5614	<b>Date Processed:</b>	1/1/1970, 12:36 AM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Label: 25001325 - N00001 COLUMBUS MUNICIPAL GARAGE

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	252064100.0	<b>Facility Name:</b>	COLUMBUS MUNICIPAL GARAGE
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	475 SHORT ST
<b>Release Date:</b>	3/12/1992	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	7/20/2012	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.952108
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.004358
<b>Rules:</b>	2005	<b>Last Review Date:</b>	7/5/2012
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	1 SUS/CON from regulated UST	<b>Last Update Date:</b>	4/29/2013
<b>Rating:</b>	14	<b>County:</b>	Franklin
<b>Sequence No:</b>	9297		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">79</a>	2 of 3	WSW	0.46 / 2,423.67	711.74 / -43	COLUMBUS MUNICIPAL GARAGE 475 SHORT ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Petroleum Release List**

<b>Release No (OTTER):</b>		<b>FacName (BUSTR):</b>	
<b>Facility (OTTER):</b>		<b>FacAddress (BUSTR):</b>	
<b>Fac Name (OTTER):</b>		<b>Fac City (BUSTR):</b>	
<b>Fac City (OTTER):</b>		<b>Fac State (BUSTR):</b>	
<b>Fac State (OTTER):</b>		<b>Fac ZIP (BUSTR):</b>	
<b>Fac ZIP (OTTER):</b>		<b>FacCounty (BUSTR):</b>	
<b>County (OTTER):</b>		<b>Latitude (BUSTR):</b>	
<b>Latitude (OTTER):</b>		<b>Longitude (BUSTR):</b>	
<b>Longitude (OTTER):</b>		<b>IncdntID(BUSTR2):</b>	N00002
<b>Release No (Map):</b>		<b>Fac ID (BUSTR2):</b>	25001325
<b>Fac Name (Map):</b>		<b>Fac Name (BUSTR2):</b>	COLUMBUS MUNICIPAL GARAGE
<b>Fac Address (Map):</b>		<b>Address (BUSTR2):</b>	475 SHORT ST
<b>Fac City (Map):</b>		<b>City (BUSTR2):</b>	COLUMBUS
<b>Fac ZIP (Map):</b>		<b>Zip (BUSTR2):</b>	43215
<b>County (Map):</b>		<b>County (BUSTR2):</b>	FRA
<b>Latitude (Map):</b>		<b>Latitude (BUSTR2):</b>	39.95211
<b>Longitude (Map):</b>		<b>Longitude (BUSTR2):</b>	-83.00436
<b>Original Source:</b>	LUST	<b>Facility Name:</b>	
<b>Record Date:</b>	10-JAN-2023	<b>Facility Address:</b>	
<b>Release No:</b>		<b>Facility City:</b>	
<b>Facility Latitude:</b>		<b>Facility State:</b>	
<b>Facility Longitude:</b>		<b>Facility Zip:</b>	
<b>Release No (BUSTR):</b>		<b>County:</b>	
<b>Fac Address (OTTER):</b>			

<a href="#">79</a>	3 of 3	WSW	0.46 / 2,423.67	711.74 / -43	COLUMBUS MUNICIPAL GARAGE 475 SHORT ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Petroleum Release List**

<b>Release No (OTTER):</b>		<b>FacName (BUSTR):</b>	
<b>Facility (OTTER):</b>		<b>FacAddress (BUSTR):</b>	
<b>Fac Name (OTTER):</b>		<b>Fac City (BUSTR):</b>	
<b>Fac City (OTTER):</b>		<b>Fac State (BUSTR):</b>	
<b>Fac State (OTTER):</b>		<b>Fac ZIP (BUSTR):</b>	
<b>Fac ZIP (OTTER):</b>		<b>FacCounty (BUSTR):</b>	
<b>County (OTTER):</b>		<b>Latitude (BUSTR):</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude (OTTER):					Longitude (BUSTR):	
Longitude (OTTER):					IncdntID(BUSTR2):	N00003
Release No (Map):					Fac ID (BUSTR2):	25001325
Fac Name (Map):					Fac Name (BUSTR2):	COLUMBUS MUNICIPAL GARAGE
Fac Address (Map):					Address (BUSTR2):	475 SHORT ST
Fac City (Map):					City (BUSTR2):	COLUMBUS
Fac ZIP (Map):					Zip (BUSTR2):	43215
County (Map):					County (BUSTR2):	FRA
Latitude (Map):					Latitude (BUSTR2):	39.95211
Longitude (Map):					Longitude (BUSTR2):	-83.00436
Original Source:	LUST				Facility Name:	
Record Date:	10-JAN-2023				Facility Address:	
Release No:					Facility City:	
Facility Latitude:					Facility State:	
Facility Longitude:					Facility Zip:	
Release No (BUSTR):					County:	
Fac Address (OTTER):						

[80](#) 1 of 1 WSW 0.47 / 2,461.60 716.39 / -38 CITY OF COLUMBUS 514 SHORT ST COLUMBUS OH 43215 LUST

**Release No:** 25000060-N00001  
**Release No (Map):** 25000060 - N00001  
**Facility Name (Map):** CITY OF COLUMBUS  
**Address (Map):** 514 SHORT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.95145  
**Longitude (Map):** -83.003797  
**Release No (Web):** 25000060-N00001  
**Facility Name (Web):** CITY OF COLUMBUS  
**Address (Web):** 514 SHORT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.951479  
**Longitude (Web):** -83.004218  
**Release No (BUSTR):** 25000060 - N00001  
**Facility Name (BUSTR):** CITY OF COLUMBUS  
**Address (BUSTR):** 514 SHORT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.951479  
**Longitude (BUSTR):** -83.004218  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25000060 (CITY OF COLUMBUS)  
**Address (OTTER):** 514 SHORT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):**  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive **Date Last Change:** 12/9/1997  
**LTF Status:** 6 Closure of regulated UST **Review Date:** 12/09/1997  
**FR Status:** NFA: No Further Action **Priority:** 2  
**Release Date:** 02/16/1996 **Class:** D  
**Class Description:** A viable RP has been identified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** 252064101.0      **Date Reported:** 2/16/1996  
**Tank Status:** No Tanks Available      **Owner Busi Name:** CITY OF COLUMBUS  
**Facility:** 25000060 (CITY OF COLUMBUS)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#28140>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18473>

**BUSTR Map: All Environmental**

<b>Object ID:</b>	11586	<b>Lat:</b>	39.95145
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.003797
<b>Release No:</b>	25000060 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	514 Short St	<b>LOC QUAL:</b>	AS0
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	2
<b>ZIP Out:</b>	43215-5616	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25000060 - N00001 CITY OF COLUMBUS		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>	252064101.0	<b>Facility Name:</b>	CITY OF COLUMBUS
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	514 SHORT ST
<b>Release Date:</b>	2/16/1996	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	12/9/1997	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.951479
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.004218
<b>Rules:</b>	1992	<b>Last Review Date:</b>	12/9/1997
<b>Coordinator:</b>		<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	9/27/2019
<b>Rating:</b>	2	<b>County:</b>	Franklin
<b>Sequence No:</b>	8013		
<b>Class Desc:</b>	A viable RP has been identified		

<a href="#">81</a>	1 of 1	SW	0.47 / 2,486.14	735.78 / -19	REMOTE PAPER WAREHOUSE 135 W SYCAMORE ST COLUMBUS OH 43215	DELISTED LST
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**Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)**

<b>Incident No:</b>	253037400.0	<b>Class:</b>	D
<b>Release No:</b>	25000255 - N00001	<b>Class Desc:</b>	A viable RP has been identified
<b>Status:</b>	RPT: a possible incident is reported	<b>Rules:</b>	
<b>Sub Status:</b>		<b>Coordinator:</b>	Ray Ladrick
<b>Release Date:</b>		<b>County:</b>	Franklin
<b>LTF:</b>	2 SUS/CON from non-regulated UST	<b>Facility Latitude:</b>	39.948539
<b>Last Update:</b>		<b>Facility Longitude:</b>	-83.001538
<b>Last Update Date:</b>	4/28/2012	<b>Original Source:</b>	NLUT
<b>Last Status Update:</b>		<b>Record Date:</b>	09-OCT-2019
<b>Priority:</b>	3		

<a href="#">82</a>	1 of 1	WSW	0.49 / 2,578.58	713.21 / -41	CONTRACT SWEEPERS 561 SHORT STREET COLUMBUS OH OH 43215	LUST
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**Release No:** 25010734-N00001  
**Release No (Map):** 25010734 - N00001  
**Facility Name (Map):** CONTRACT SWEEPERS  
**Address (Map):** 561 SHORT STREET  
**City (Map):** COLUMBUS OH  
**Zip (Map):** 43215

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Latitude (Map):</b>			39.95004			
<b>Longitude (Map):</b>			-83.00371			
<b>Release No (Web):</b>			25010734-N00001			
<b>Facility Name (Web):</b>			CONTRACT SWEEPERS			
<b>Address (Web):</b>			561 SHORT STREET			
<b>City (Web):</b>			COLUMBUS OH			
<b>State (Web):</b>			OH			
<b>Zip (Web):</b>			43215			
<b>County (Web):</b>			Franklin			
<b>Latitude (Web):</b>			39.950525			
<b>Longitude (Web):</b>			-83.003803			
<b>Release No (BUSTR):</b>			25010734 - N00001			
<b>Facility Name (BUSTR):</b>			CONTRACT SWEEPERS			
<b>Address (BUSTR):</b>			561 SHORT STREET			
<b>City (BUSTR):</b>			COLUMBUS OH			
<b>State (BUSTR):</b>			Ohio			
<b>Zip (BUSTR):</b>			43215			
<b>County (BUSTR):</b>			Franklin			
<b>Latitude (BUSTR):</b>			39.950525			
<b>Longitude (BUSTR):</b>			-83.003803			
<b>Release No (OTTER):</b>			N00001			
<b>Fac No and Name(OTTER):</b>			25010734 (CONTRACT SWEEPERS)			
<b>Address (OTTER):</b>			561 SHORT STREET			
<b>City (OTTER):</b>			COLUMBUS OH			
<b>State (OTTER):</b>						
<b>Zip (OTTER):</b>			43215			
<b>County (OTTER):</b>			Franklin			
<b>Data Source:</b>			Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)			

#### Facility Details with Active & Inactive Environmental Files

<b>Facility Status:</b>	Inactive	<b>Date Last Change:</b>	3/4/2002
<b>LTF Status:</b>	6 Closure of regulated UST	<b>Review Date:</b>	03/04/2002
<b>FR Status:</b>	NFA: No Further Action	<b>Priority:</b>	2
<b>Release Date:</b>	02/15/2002	<b>Class:</b>	A
<b>Class Description:</b>	A Responsible Party (RP) for the release has not yet been determined		

#### Ohio Tank Tracking & Environmental Regulations (OTTER) Search

<b>Old Incident ID:</b>		<b>Date Reported:</b>	2/15/2002
<b>Tank Status:</b>	No Tanks Available	<b>Owner Busi Name:</b>	UNKNOWN
<b>Facility:</b>	25010734 (CONTRACT SWEEPERS)		
<b>Facility Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#23897">https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2flnquiry%2flnquiry#23897</a>		
<b>Release Link:</b>	<a href="https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18694">https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18694</a>		

#### BUSTR Map: All Environmental

<b>Object ID:</b>	14451	<b>Lat:</b>	39.95004
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.00371
<b>Release No:</b>	25010734 - N00001	<b>Match:</b>	SA0
<b>Address Out:</b>	561 Short St	<b>LOC QUAL:</b>	MAF3
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-5614	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010734 - N00001 CONTRACT SWEEPERS		

#### Active and Inactive Registered Underground Storage Tanks (BUSTR)

<b>Incident No:</b>		<b>Facility Name:</b>	CONTRACT SWEEPERS
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	561 SHORT STREET
<b>Release Date:</b>	2/15/2002	<b>Facility City:</b>	COLUMBUS OH
<b>Last Status Updated:</b>	3/4/2002	<b>Facility State:</b>	Ohio

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Substatus:</b>	Approved				<b>Facility ZIP:</b> 43215	
<b>Priority:</b>	2				<b>Facility Latitude:</b> 39.950525	
<b>Class:</b>	A				<b>Facility Longitude:</b> -83.003803	
<b>Rules:</b>	1999				<b>Last Review Date:</b> 3/4/2002	
<b>Coordinator:</b>	David Israel				<b>Last Update:</b> Charles Zepp	
<b>LTF:</b>	6 Closure of regulated UST				<b>Last Update Date:</b> 5/25/2022	
<b>Rating:</b>	6				<b>County:</b> Franklin	
<b>Sequence No:</b>	9623					
<b>Class Desc:</b>	A Responsible Party (RP) for the release has not yet been determined					

[83](#) 1 of 5 **NW** **0.49 / 2,578.94** **741.27 / -13** **OHIO JUDICIAL CENTER** **65 S FRONT ST** **COLUMBUS OH 43215** **LUST**

**Release No:** 25010693-N00001  
**Release No (Map):** 25010693 - N00001  
**Facility Name (Map):** OHIO JUDICIAL CENTER  
**Address (Map):** 65 S FRONT ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.960302  
**Longitude (Map):** -83.002291  
**Release No (Web):** 25010693-N00001  
**Facility Name (Web):** OHIO JUDICIAL CENTER  
**Address (Web):** 65 S FRONT ST  
**City (Web):** COLUMBUS  
**State (Web):** OH  
**Zip (Web):** 43215  
**County (Web):** Franklin  
**Latitude (Web):** 39.961422  
**Longitude (Web):** -83.002496  
**Release No (BUSTR):** 25010693 - N00001  
**Facility Name (BUSTR):** OHIO JUDICIAL CENTER  
**Address (BUSTR):** 65 S FRONT ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.961422  
**Longitude (BUSTR):** -83.002496  
**Release No (OTTER):** N00001  
**Fac No and Name(OTTER):** 25010693 (OHIO JUDICIAL CENTER)  
**Address (OTTER):** 65 S FRONT ST  
**City (OTTER):** COLUMBUS  
**State (OTTER):** Ohio  
**Zip (OTTER):** 43215  
**County (OTTER):** Franklin  
**Data Source:** Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer); All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**Facility Details with Active & Inactive Environmental Files**

**Facility Status:** Inactive **Date Last Change:** 2/1/2001  
**LTF Status:** 6 Closure of regulated UST **Review Date:** 02/01/2001  
**FR Status:** NFA: No Further Action **Priority:** 2  
**Release Date:** 10/13/2000 **Class:** D  
**Class Description:** A viable RP has been identified

**Ohio Tank Tracking & Environmental Regulations (OTTER) Search**

**Old Incident ID:** **Date Reported:** 10/13/2000  
**Tank Status:** Both **Owner Busi Name:** THE SUPREME COURT OF OHIO  
**Facility:** 25010693 (OHIO JUDICIAL CENTER)  
**Facility Link:** <https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#31692>  
**Release Link:** <https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=18718>

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**BUSTR Map: All Environmental**

<b>Object ID:</b>	14421	<b>Lat:</b>	39.960302
<b>FR Status:</b>	NFA: No Further Action	<b>Long:</b>	-83.002291
<b>Release No:</b>	25010693 - N00001	<b>Match:</b>	S80
<b>Address Out:</b>	65 S Front St	<b>LOC QUAL:</b>	MAF7
<b>City Out:</b>	Columbus	<b>Facility Z:</b>	43215
<b>State Out:</b>	OH	<b>Loc Conf:</b>	1
<b>ZIP Out:</b>	43215-4131	<b>Date Processed:</b>	1/1/1970, 12:36 AM
<b>Label:</b>	25010693 - N00001 OHIO JUDICIAL CENTER		

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b>		<b>Facility Name:</b>	OHIO JUDICIAL CENTER
<b>Status:</b>	NFA: No Further Action	<b>Facility Address:</b>	65 S FRONT ST
<b>Release Date:</b>	10/13/2000	<b>Facility City:</b>	COLUMBUS
<b>Last Status Updated:</b>	2/1/2001	<b>Facility State:</b>	Ohio
<b>Substatus:</b>	Approved	<b>Facility ZIP:</b>	43215
<b>Priority:</b>	2	<b>Facility Latitude:</b>	39.961422
<b>Class:</b>	D	<b>Facility Longitude:</b>	-83.002496
<b>Rules:</b>	1999	<b>Last Review Date:</b>	2/1/2001
<b>Coordinator:</b>	David Israel	<b>Last Update:</b>	Charles Zepp
<b>LTF:</b>	6 Closure of regulated UST	<b>Last Update Date:</b>	5/25/2022
<b>Rating:</b>	6	<b>County:</b>	Franklin
<b>Sequence No:</b>	27087		
<b>Class Desc:</b>	A viable RP has been identified		

<b>83</b>	<b>2 of 5</b>	<b>NW</b>	<b>0.49 / 2,578.94</b>	<b>741.27 / -13</b>	<b>650 Harmon Ave 2 Civic Center Dr N Columbus OH 43215</b>
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**FED  
BROWNFIELDS**

<b>Property ID:</b>	12660	<b>County:</b>	FRANKLIN
<b>Lat Measure:</b>	39.962	<b>Latitude (Map):</b>	39.962
<b>Long Measure:</b>	-83.003014	<b>Longitude (Map):</b>	-83.003014
<b>Property Name:</b>	650 Harmon Ave		
<b>Address:</b>	2 Civic Center Dr N		
<b>City:</b>	Columbus		
<b>State Code:</b>	OH		
<b>Zip Code:</b>	43215		
<b>Primary Name (Map):</b>	650 HARMON AVE		
<b>Location Address (Map):</b>	2 CIVIC CENTER DR N		
<b>City Name (Map):</b>	COLUMBUS		
<b>County Name (Map):</b>	FRANKLIN		
<b>State Code (Map):</b>	OH		
<b>Postal Code (Map):</b>	43215		
<b>Data Source:</b>	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)		

**Property Details (Cleanups in My Community)**

<b>ID No:</b>		<b>Size Acres:</b>	2.7
<b>NFA Letter Date:</b>		<b>Parcel No:</b>	
<b>Media Affected:</b>		<b>Property Enrolled:</b>	
<b>Media Cleaned Up:</b>		<b>Radius:</b>	.5
<b>Contaminants REC:</b>		<b>Census Tract:</b>	39049003000
<b>Contams Actionable:</b>		<b>2010 # Below Poverty:</b>	319.
<b>Contams &lt; Actionable:</b>		<b>2010 Below Poverty:</b>	26.72
<b>Contamnts Cleanup:</b>		<b>2010 Median Income:</b>	1897.
<b>Tanks Removal:</b>		<b>2010 No Low Income:</b>	470.
<b>Cleanup Needed:</b>		<b>2010 Low Income:</b>	39.36
<b>Cleanup Treatment:</b>		<b>2010 No Vacant Hous:</b>	147.
<b>Excavation Disposl:</b>		<b>2010 Vacant Housing:</b>	15.78
<b>Contams Extractn:</b>		<b>2010 # Unemployed:</b>	83.
<b>Reduc Contams:</b>		<b>2010 Unemployed:</b>	6.95

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Additional Clnup:					Tech Capping:	
Institutional Cleanup:					Secur Guard Fence:	
Institutional Cleanup:	U				Immobilization:	
Engineering Needed:					Eng Barriers:	
Eng Control:					Proprietary Cntrl:	
Additnl Inst Control:					Info Device:	
Additnl Eng Control:					Govt Cntrl:	
Inst Control Date:					Enf Permit Tool:	
Eng Control Date:					Clnup Struct Remov:	
Property Alias:						
Property Owner:						
Address Source URL:						
Address Source URL:						
Address Source URL:						
Other:						

**Activity Details(Cleanups in My Community)**

Coop Agmt No:	98538701				Redev Actvy Funded:	
Program Name:	BP				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:					Redev Fund Entity:	
Funding Entity:					Redev Residential:	
Assessmnt Start Dt:	09/30/2002				Redev Greenspace:	
Assessmnt Compl Dt:	09/30/2002				Redev Industrial:	
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Resiential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:						
Coop Agmt Recipnt:		Columbus, City of				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

**Brownfields Details**

Registry I:	110039550376				SF EI He C:	
EPA ID:					SF IC Ind:	
EPA Region:	05				SF NPL Cod:	
Cat No:	5060001				SF NPL C 1:	
RCRA Handl:					FF SF Ind:	
RCRA Curre:					Map Symbol:	B
RCRA Remed:					Data Refre:	04-Feb-2024
RCRA Const:					New Site:	
RCRA EI He:					BF RLF Gra:	
RCRA EI Gm:					BF RLF Pil:	
RCRA Rem 1:					BF Assess :	Y
RCRA Ec Gw:					BF Cleanup:	
RCRA Ec Ng:					BF Tba Ind:	
RCRA IC Ep:					BF 128a In:	
RCRA IC Gc:					BF IC Code:	U
RCRA IC ID:					BF IC Gc I:	U
RCRA IC Pr:					BF IC Ep I:	U
FF RCRA In:					BF IC ID I:	U
RCRA Ec Co:					BF IC Pr I:	U
RCRA IC Co:					BF Assess1:	
RCRA Gpra :					BF Multipu:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RCRA Rem 2: RCRA Dru 1: SF Site ID: SF Ec Ind: SF El Gm C: Ind Name: Cat Name: Sub Name: Primary Name: RCRA Drupa: Repow Ref : Url:					OH-15	
Census Url:					https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-83.003014%2C39.962&featype=point&radius=1.0	
ACS Url:					https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-83.003014%2C39.962&featype=point&radius=1.0	
SAA Site: Sf Brac Ty: Sf Archive: Sf Fdocke: Sf Npl C 3: Sf Npl C 2: Sf Npl C 1: SF Site Na: SF Non N 1: SF Non N 2: SF Non N 3: SF Non Npl: BF Prope 1: RCRA Han 1: RCRA Rau I: REPOW BF: REPOW Re 1: REPOW Ref1:		Upper Scioto Upper Scioto 650 HARMON AVE				
		650 Harmon Ave				
		SG				
		<a target="_blank" href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:21313">RE-Powering Site Profile</a>				
		21313				

[83](#) 3 of 5 NW 0.49 / 2,578.94 741.27 / -13 1540 Mt Vernon Ave 2 Civic Center Dr N Columbus OH 43215 FED BROWNFIELDS

Property ID:	12662	County:	FRANKLIN
Lat Measure:	39.962	Latitude (Map):	39.962
Long Measure:	-83.003014	Longitude (Map):	-83.003014
Property Name:	1540 Mt Vernon Ave		
Address:	2 Civic Center Dr N		
City:	Columbus		
State Code:	OH		
Zip Code:	43215		
Primary Name (Map):	1540 MT VERNON AVE		
Location Address (Map):	2 CIVIC CENTER DR N		
City Name (Map):	COLUMBUS		
County Name (Map):	FRANKLIN		
State Code (Map):	OH		
Postal Code (Map):	43215		
Data Source:	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)		

**Property Details (Cleanups in My Community)**

ID No:	Size Acres:	.2
NFA Letter Date:	Parcel No:	
Media Affected:	Property Enrolled:	
Media Cleaned Up:	Radius:	.5
Contaminants REC:	Census Tract:	39049003000
Contams Actionable:	2010 # Below Poverty:	319.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contams < Actionble:					2010 Below Poverty:	26.72
Contamnts Cleanup:					2010 Median Income:	1897.
Tanks Removal:					2010 No Low Income:	470.
Cleanup Needed:					2010 Low Income:	39.36
Cleanup Treatment:					2010 No Vacant Hous:	147.
Excavation Disposl:					2010 Vacant Housing:	15.78
Contams Extractn:					2010 # Unemployed:	83.
Reduc Contams:					2010 Unemployed:	6.95
Additional Clnup:					Tech Capping:	
Institutional Cleanup:	U				Secur Guard Fence:	
Institutional Cleanup:					Immobilization:	
Engineering Needed:					Eng Barriers:	
Eng Control:					Proprietary Cntrl:	
Additnl Inst Control:					Info Device:	
Additnl Eng Control:					Govt Cntrl:	
Inst Control Date:					Enf Permit Tool:	
Eng Control Date:					Clnup Struct Remov:	
Property Alias:						
Property Owner:						
Address Source URL:						
Address Source URL:						
Address Source URL:						
Other:						

#### Activity Details(Cleanups in My Community)

Coop Agmt No:	98538701				Redev Actvy Funded:	
Program Name:	BP				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:					Redev Fund Entity:	
Funding Entity:					Redev Residential:	
Assessmnt Start Dt:	09/30/2002				Redev Greenspace:	
Assessmnt Compl Dt:	09/30/2002				Redev Industrial:	
Clnup Actvy Start Dt:					Redev Commercial:	
Clnup Actvy Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Resiential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:						
Coop Agmt Recipnt:		Columbus, City of				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

#### Brownfields Details

Registry I:	110039550394				SF EI He C:	
EPA ID:					SF IC Ind:	
EPA Region:	05				SF NPL Cod:	
Cat No:	5060001				SF NPL C 1:	
RCRA Handl:					FF SF Ind:	
RCRA Curre:					Map Symbol:	B
RCRA Remed:					Data Refre:	04-Feb-2024
RCRA Const:					New Site:	
RCRA EI He:					BF RLF Gra:	
RCRA EI Gm:					BF RLF Pil:	
RCRA Rem 1:					BF Assess :	Y
RCRA Ec Gw:					BF Cleanup:	
RCRA Ec Ng:					BF Tba Ind:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RCRA IC Ep:					BF 128a In:	
RCRA IC Gc:					BF IC Code:	U
RCRA IC ID:					BF IC Gc I:	U
RCRA IC Pr:					BF IC Ep I:	U
FF RCRA In:					BF IC ID I:	U
RCRA Ec Co:					BF IC Pr I:	U
RCRA IC Co:					BF Assess1:	
RCRA Gpra :					BF Multipu:	
RCRA Rem 2:					BF Awp Ind:	
RCRA Dru 1:					BF Showcas:	
SF Site ID:					BF 128a P :	
SF Ec Ind:					Congressio:	OH-15
SF El Gm C:					Stimulus B:	
Ind Name:						
Cat Name:		Upper Scioto				
Sub Name:		Upper Scioto				
Primary Name:		1540 MT VERNON AVE				
RCRA Drupa:						
Repow Ref :					https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:28607	
Url:					https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&Action=Navigate&col1=ACRES_GRANT_EXPORT.PROPERTY_ID&val1=%2212662.0%22&PortalPath=/shared/CIMC/_portal/CIMC&Page=Profile+Page	
Census Url:					https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&coords=-83.003014%2C39.962&featype=point&radius=1.0	
ACS Url:					https://ejscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&coords=-83.003014%2C39.962&featype=point&radius=1.0	
SAA Site:						
Sf Brac Ty:						
Sf Archive:						
Sf Fdocke:						
Sf Npl C 3:						
Sf Npl C 2:						
Sf Npl C 1:						
SF Site Na:						
SF Non N 1:						
SF Non N 2:						
SF Non N 3:						
SF Non Npl:						
BF Prope 1:		1540 Mt Vernon Ave				
RCRA Han 1:						
RCRA Rau I:						
REPOW BF:		SG				
REPOW Re 1:		<a target="_blank" href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:28607">RE-Powering Site Profile</a>				
REPOW Ref1:		28607				

**83** 4 of5 **NW** **0.49 / 2,578.94** **741.27 / -13** **Maryland and Taylor Aves** **2 Civic Center Dr N** **Columbus OH 43215** **FED BROWNFIELDS**

**Property ID:** 12663 **County:** FRANKLIN  
**Lat Measure:** 39.962 **Latitude (Map):** 39.962  
**Long Measure:** -83.003014 **Longitude (Map):** -83.003014  
**Property Name:** Maryland and Taylor Aves  
**Address:** 2 Civic Center Dr N  
**City:** Columbus  
**State Code:** OH  
**Zip Code:** 43215  
**Primary Name (Map):** MARYLAND AND TAYLOR AVES  
**Location Address (Map):** 2 CIVIC CENTER DR N  
**City Name (Map):** COLUMBUS  
**County Name (Map):** FRANKLIN  
**State Code (Map):** OH  
**Postal Code (Map):** 43215  
**Data Source:** Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Property Details (Cleanups in My Community)**

<b>ID No:</b>		<b>Size Acres:</b>	13.
<b>NFA Letter Date:</b>		<b>Parcel No:</b>	
<b>Media Affected:</b>		<b>Property Enrolled:</b>	
<b>Media Cleaned Up:</b>		<b>Radius:</b>	.5
<b>Contaminants REC:</b>		<b>Census Tract:</b>	39049003000
<b>Contams Actionable:</b>		<b>2010 # Below Poverty:</b>	319.
<b>Contams &lt; Actionable:</b>		<b>2010 Below Poverty:</b>	26.72
<b>Contamnts Cleanup:</b>		<b>2010 Median Income:</b>	1897.
<b>Tanks Removal:</b>		<b>2010 No Low Income:</b>	470.
<b>Cleanup Needed:</b>		<b>2010 Low Income:</b>	39.36
<b>Cleanup Treatment:</b>		<b>2010 No Vacant Hous:</b>	147.
<b>Excavation Disposl:</b>		<b>2010 Vacant Housing:</b>	15.78
<b>Contams Extractn:</b>		<b>2010 # Unemployed:</b>	83.
<b>Reduc Contams:</b>		<b>2010 Unemployed:</b>	6.95
<b>Additional Clnup:</b>		<b>Tech Capping:</b>	
<b>Institutional Cleanup:</b>		<b>Secur Guard Fence:</b>	
<b>Institutional Cleanup:</b>	U	<b>Immobilization:</b>	
<b>Engineering Needed:</b>		<b>Eng Barriers:</b>	
<b>Eng Control:</b>		<b>Proprietary Cntrl:</b>	
<b>Additnl Inst Control:</b>		<b>Info Device:</b>	
<b>Additnl Eng Control:</b>		<b>Govt Cntrl:</b>	
<b>Inst Control Date:</b>		<b>Enf Permit Tool:</b>	
<b>Eng Control Date:</b>		<b>Clnup Struct Remov:</b>	
<b>Property Alias:</b>			
<b>Property Owner:</b>			
<b>Address Source URL:</b>			
<b>Address Source URL:</b>			
<b>Address Source URL:</b>			
<b>Other:</b>			

**Activity Details(Cleanups in My Community)**

<b>Coop Agmt No:</b>	98538701	<b>Redev Actvy Funded:</b>	
<b>Program Name:</b>	BP	<b>Redev Start Dt:</b>	
<b>Activity Funded:</b>		<b>Redev Compl date:</b>	
<b>Type CA Fund:</b>		<b>Redev Fund Entity:</b>	
<b>Funding Entity:</b>		<b>Redev Residential:</b>	
<b>Assessmnt Start Dt:</b>	09/30/2002	<b>Redev Greenspace:</b>	
<b>Assessmnt Compl Dt:</b>	09/30/2002	<b>Redev Industrial:</b>	
<b>Clnup Actvy Start Dt:</b>		<b>Redev Commercial:</b>	
<b>Clnup Actvy Comp Dt:</b>		<b># of Redev Jobs:</b>	
<b>Acres Cleaned Up:</b>		<b>RLF Signed Dt:</b>	
<b>Clnup Funding Src:</b>		<b>RLF Intest Rate:</b>	
<b>Clnup Entity Provid:</b>		<b>RLF EPA Fund:</b>	
<b>Signed Rpt Dt:</b>		<b>RLF Cost Share:</b>	
<b>Direct Clnup Tot Fnd:</b>		<b>RLF Prog Income:</b>	
<b>Direct Clnup Fnd Src:</b>		<b>RLF Lvg Fund Src:</b>	
<b>Fund Amt Expnded:</b>		<b>RLF Lvg Fund Entity:</b>	
<b>Source of Funding:</b>		<b>RLF Lvg Fund Amt:</b>	
<b>Past Use Resiential:</b>		<b>RLF Subgrant Signed:</b>	
<b>Past Use Greenspace:</b>		<b>Subgrant EPA Fund:</b>	
<b>Past Use Industrial:</b>		<b>Subgrant Cost Shr:</b>	
<b>Past Use Commercial:</b>			
<b>Coop Agmt Recipnt:</b>	Columbus, City of		
<b>Clnup Compet Doc2:</b>			
<b>Climate Adapt Mitg1:</b>			
<b>Climate Adapt Mitg2:</b>			

**Brownfields Details**

<b>Registry I:</b>	110039550401	<b>SF EI He C:</b>	
<b>EPA ID:</b>		<b>SF IC Ind:</b>	
<b>EPA Region:</b>	05	<b>SF NPL Cod:</b>	
<b>Cat No:</b>	5060001	<b>SF NPL C 1:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
RCRA Handl:					FF SF Ind:	
RCRA Curre:					Map Symbol:	B
RCRA Remed:					Data Refre:	04-Feb-2024
RCRA Const:					New Site:	
RCRA El He:					BF RLF Gra:	
RCRA El Gm:					BF RLF Pil:	
RCRA Rem 1:					BF Assess :	Y
RCRA Ec Gw:					BF Cleanup:	
RCRA Ec Ng:					BF Tba Ind:	
RCRA IC Ep:					BF 128a In:	
RCRA IC Gc:					BF IC Code:	U
RCRA IC ID:					BF IC Gc I:	U
RCRA IC Pr:					BF IC Ep I:	U
FF RCRA In:					BF IC ID I:	U
RCRA Ec Co:					BF IC Pr I:	U
RCRA IC Co:					BF Assess1:	
RCRA Gpra :					BF Multipu:	
RCRA Rem 2:					BF Awp Ind:	
RCRA Dru 1:					BF Showcas:	
SF Site ID:					BF 128a P :	
SF Ec Ind:					Congressio:	OH-15
SF El Gm C:					Stimulus B:	
Ind Name:						
Cat Name:		Upper Scioto				
Sub Name:		Upper Scioto				
Primary Name:		MARYLAND AND TAYLOR AVES				
RCRA Drupa:						
Repow Ref :					<a href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:34609">https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:34609</a>	
Url:					<a href="https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&amp;Action=Navigate&amp;col1=ACRES_GRANT_EXPORT.PROPERTY_ID&amp;val1=%2212663.0%22&amp;PortalPath=/shared/CIMC/_portal/CIMC&amp;Page=Profile+Page">https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&amp;Action=Navigate&amp;col1=ACRES_GRANT_EXPORT.PROPERTY_ID&amp;val1=%2212663.0%22&amp;PortalPath=/shared/CIMC/_portal/CIMC&amp;Page=Profile+Page</a>	
Census Url:					<a href="https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0">https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0</a>	
ACS Url:					<a href="https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0">https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0</a>	
SAA Site:						
Sf Brac Ty:						
Sf Archive:						
Sf Fdocke:						
Sf Npl C 3:						
Sf Npl C 2:						
Sf Npl C 1:						
SF Site Na:						
SF Non N 1:						
SF Non N 2:						
SF Non N 3:						
SF Non Npl:						
BF Prope 1:		Maryland and Taylor Aves				
RCRA Han 1:						
RCRA Rau I:						
REPOW BF:		SGB				
REPOW Re 1:		<a target="_blank" href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:34609">RE-Powering Site Profile</a>				
REPOW Ref1:		34609				

<a href="#">83</a>	5 of 5	NW	0.49 / 2,578.94	741.27 / -13	1500 South Front Street 2 Civic Center Dr N Columbus OH 43215	FED BROWNFIELDS
Property ID:	12665			County:	FRANKLIN	
Lat Measure:	39.962			Latitude (Map):	39.962	
Long Measure:	-83.003014			Longitude (Map):	-83.003014	
Property Name:	1500 South Front Street					
Address:	2 Civic Center Dr N					
City:	Columbus					
State Code:	OH					
Zip Code:	43215					
Primary Name (Map):	1500 SOUTH FRONT STREET					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Location Address (Map):</b>		2 CIVIC CENTER DR N				
<b>City Name (Map):</b>		COLUMBUS				
<b>County Name (Map):</b>		FRANKLIN				
<b>State Code (Map):</b>		OH				
<b>Postal Code (Map):</b>		43215				
<b>Data Source:</b>		Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)				

**Property Details (Cleanups in My Community)**

<b>ID No:</b>		<b>Size Acres:</b>	1.4
<b>NFA Letter Date:</b>		<b>Parcel No:</b>	
<b>Media Affected:</b>		<b>Property Enrolled:</b>	
<b>Media Cleaned Up:</b>		<b>Radius:</b>	.5
<b>Contaminants REC:</b>		<b>Census Tract:</b>	39049003000
<b>Contams Actionable:</b>		<b>2010 # Below Poverty:</b>	319.
<b>Contams &lt; Actionble:</b>		<b>2010 Below Poverty:</b>	26.72
<b>Contamnts Cleanup:</b>		<b>2010 Median Income:</b>	1897.
<b>Tanks Removal:</b>		<b>2010 No Low Income:</b>	470.
<b>Cleanup Needed:</b>		<b>2010 Low Income:</b>	39.36
<b>Cleanup Treatment:</b>		<b>2010 No Vacant Hous:</b>	147.
<b>Excavation Disposl:</b>		<b>2010 Vacant Housing:</b>	15.78
<b>Contams Extractn:</b>		<b>2010 # Unemployed:</b>	83.
<b>Reduc Contams:</b>		<b>2010 Unemployed:</b>	6.95
<b>Additional Clnup:</b>		<b>Tech Capping:</b>	
<b>Institutional Cleanup:</b>		<b>Secur Guard Fence:</b>	
<b>Institutional Cleanup:</b>	U	<b>Immobilization:</b>	
<b>Engineering Needed:</b>		<b>Eng Barriers:</b>	
<b>Eng Control:</b>		<b>Proprietary Cntrl:</b>	
<b>Additnl Inst Control:</b>		<b>Info Device:</b>	
<b>Additnl Eng Control:</b>		<b>Govt Cntrl:</b>	
<b>Inst Control Date:</b>		<b>Enf Permit Tool:</b>	
<b>Eng Control Date:</b>		<b>Clnup Struct Remov:</b>	
<b>Property Alias:</b>			
<b>Property Owner:</b>			
<b>Address Source URL:</b>			
<b>Address Source URL:</b>			
<b>Address Source URL:</b>			
<b>Other:</b>			

**Activity Details(Cleanups in My Community)**

<b>Coop Agmt No:</b>	98538701	<b>Redev Actvy Funded:</b>	
<b>Program Name:</b>	BP	<b>Redev Start Dt:</b>	
<b>Activity Funded:</b>		<b>Redev Compl date:</b>	
<b>Type CA Fund:</b>		<b>Redev Fund Entity:</b>	
<b>Funding Entity:</b>		<b>Redev Residential:</b>	
<b>Assessmnt Start Dt:</b>	12/31/2002	<b>Redev Greenspace:</b>	
<b>Assessmnt Compl Dt:</b>	12/31/2002	<b>Redev Industrial:</b>	
<b>Clnup Actvy Start Dt:</b>		<b>Redev Commercial:</b>	
<b>Clnup Actvy Comp Dt:</b>		<b># of Redev Jobs:</b>	
<b>Acres Cleaned Up:</b>		<b>RLF Signed Dt:</b>	
<b>Clnup Funding Src:</b>		<b>RLF Intest Rate:</b>	
<b>Clnup Entity Provid:</b>		<b>RLF EPA Fund:</b>	
<b>Signed Rpt Dt:</b>		<b>RLF Cost Share:</b>	
<b>Direct Clnup Tot Fnd:</b>		<b>RLF Prog Income:</b>	
<b>Direct Clnup Fnd Src:</b>		<b>RLF Lvg Fund Src:</b>	
<b>Fund Amt Expnded:</b>		<b>RLF Lvg Fund Entity:</b>	
<b>Source of Funding:</b>		<b>RLF Lvg Fund Amt:</b>	
<b>Past Use Resiential:</b>		<b>RLF Subgrant Signed:</b>	
<b>Past Use Greenspace:</b>		<b>Subgrant EPA Fund:</b>	
<b>Past Use Industrial:</b>		<b>Subgrant Cost Shr:</b>	
<b>Past Use Commercial:</b>			
<b>Coop Agmt Recipt:</b>	Columbus, City of		
<b>Clnup Compet Doc2:</b>			
<b>Climate Adapt Mitg1:</b>			
<b>Climate Adapt Mitg2:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Brownfields Details**

<b>Registry I:</b>	110039550410				<b>SF El He C:</b>	
<b>EPA ID:</b>					<b>SF IC Ind:</b>	
<b>EPA Region:</b>	05				<b>SF NPL Cod:</b>	
<b>Cat No:</b>	5060001				<b>SF NPL C 1:</b>	
<b>RCRA Handl:</b>					<b>FF SF Ind:</b>	
<b>RCRA Curre:</b>					<b>Map Symbol:</b>	B
<b>RCRA Remed:</b>					<b>Data Refre:</b>	04-Feb-2024
<b>RCRA Const:</b>					<b>New Site:</b>	
<b>RCRA El He:</b>					<b>BF RLF Gra:</b>	
<b>RCRA El Gm:</b>					<b>BF RLF Pil:</b>	
<b>RCRA Rem 1:</b>					<b>BF Assess :</b>	Y
<b>RCRA Ec Gw:</b>					<b>BF Cleanup:</b>	
<b>RCRA Ec Ng:</b>					<b>BF Tba Ind:</b>	
<b>RCRA IC Ep:</b>					<b>BF 128a In:</b>	
<b>RCRA IC Gc:</b>					<b>BF IC Code:</b>	U
<b>RCRA IC ID:</b>					<b>BF IC Gc I:</b>	U
<b>RCRA IC Pr:</b>					<b>BF IC Ep I:</b>	U
<b>FF RCRA In:</b>					<b>BF IC ID I:</b>	U
<b>RCRA Ec Co:</b>					<b>BF IC Pr I:</b>	U
<b>RCRA IC Co:</b>					<b>BF Assess1:</b>	
<b>RCRA Gpra :</b>					<b>BF Multipu:</b>	
<b>RCRA Rem 2:</b>					<b>BF Awp Ind:</b>	
<b>RCRA Dru 1:</b>					<b>BF Showcas:</b>	
<b>SF Site ID:</b>					<b>BF 128a P :</b>	
<b>SF Ec Ind:</b>					<b>Congressio:</b>	OH-15
<b>SF El Gm C:</b>					<b>Stimulus B:</b>	
<b>Ind Name:</b>						
<b>Cat Name:</b>	Upper Scioto					
<b>Sub Name:</b>	Upper Scioto					
<b>Primary Name:</b>	1500 SOUTH FRONT STREET					
<b>RCRA Drupa:</b>						
<b>Repow Ref :</b>						
<b>Url:</b>	<a href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:11562">https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:11562</a> <a href="https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&amp;Action=Navigate&amp;col1=ACRES_GRANT_EXPORT.PROPERTY_ID&amp;val1=%2212665.0%22&amp;PortalPath=/shared/CIMC_portal/CIMC&amp;Page=Profile+Page962&amp;featype=point&amp;radius=1.0">https://obipublic11.epa.gov/analytics/saw.dll?PortalPages&amp;Action=Navigate&amp;col1=ACRES_GRANT_EXPORT.PROPERTY_ID&amp;val1=%2212665.0%22&amp;PortalPath=/shared/CIMC_portal/CIMC&amp;Page=Profile+Page962&amp;featype=point&amp;radius=1.0</a> <a href="https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0">https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=census2010sf1&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0</a>					
<b>Census Url:</b>	<a href="https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0">https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0</a>					
<b>ACS Url:</b>	<a href="https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0">https://ejsscreen.epa.gov/mapper/demogreportpdf.aspx?report=acs2017&amp;coords=-83.003014%2C39.962&amp;featype=point&amp;radius=1.0</a>					
<b>SAA Site:</b>						
<b>Sf Brac Ty:</b>						
<b>Sf Archive:</b>						
<b>Sf Fdocke:</b>						
<b>Sf Npl C 3:</b>						
<b>Sf Npl C 2:</b>						
<b>Sf Npl C 1:</b>						
<b>SF Site Na:</b>						
<b>SF Non N 1:</b>						
<b>SF Non N 2:</b>						
<b>SF Non N 3:</b>						
<b>SF Non Npl:</b>						
<b>BF Prope 1:</b>	1500 South Front Street					
<b>RCRA Han 1:</b>						
<b>RCRA Rau I:</b>						
<b>REPOW BF:</b>	SG					
<b>REPOW Re 1:</b>	<a href="https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:11562">https://cimc.epa.gov/ords/cimc/f?p=CIMC:REPOWER::::P33_REF:11562</a> >RE-Powering Site Profile</a>					
<b>REPOW Ref1:</b>	11562					

<b>84</b>	<b>1 of 1</b>	<b>SW</b>	<b>0.50 / 2,624.63</b>	<b>730.18 / -25</b>	<b>REMOTE PAPER WAREHOUSE 135 W SYCAMORE ST COLUMBUS OH 43215</b>	<b>LUST</b>
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Release No: 25000255-N00001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Release No (Map):** 25000255 - N00001  
**Facility Name (Map):** REMOTE PAPER WAREHOUSE  
**Address (Map):** 135 W SYCAMORE ST  
**City (Map):** COLUMBUS  
**Zip (Map):** 43215  
**Latitude (Map):** 39.948554  
**Longitude (Map):** -83.001602

**Release No (Web):**  
**Facility Name (Web):**  
**Address (Web):**  
**City (Web):**  
**State (Web):**  
**Zip (Web):**  
**County (Web):**  
**Latitude (Web):**  
**Longitude (Web):**

**Release No (BUSTR):** 25000255 - N00001  
**Facility Name (BUSTR):** REMOTE PAPER WAREHOUSE  
**Address (BUSTR):** 135 W SYCAMORE ST  
**City (BUSTR):** COLUMBUS  
**State (BUSTR):** Ohio  
**Zip (BUSTR):** 43215  
**County (BUSTR):** Franklin  
**Latitude (BUSTR):** 39.948539  
**Longitude (BUSTR):** -83.001538

**Release No (OTTER):**  
**Fac No and Name(OTTER):**  
**Address (OTTER):**  
**City (OTTER):**  
**State (OTTER):**  
**Zip (OTTER):**  
**County (OTTER):**  
**Data Source:**

Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

**BUSTR Map: All Environmental**

<b>Object ID:</b> 11765	<b>Lat:</b> 39.948554
<b>FR Status:</b> RPT: a possible incident is reported	<b>Long:</b> -83.001602
<b>Release No:</b> 25000255 - N00001	<b>Match:</b> S80
<b>Address Out:</b> 135 W Sycamore St	<b>LOC QUAL:</b> AS0
<b>City Out:</b> Columbus	<b>Facility Z:</b> 43215
<b>State Out:</b> OH	<b>Loc Conf:</b> 2
<b>ZIP Out:</b> 43215-5617	<b>Date Processed:</b> 1/1/1970, 12:36 AM
<b>Label:</b> 25000255 - N00001 REMOTE PAPER WAREHOUSE	

**Active and Inactive Registered Underground Storage Tanks (BUSTR)**

<b>Incident No:</b> 253037400.0	<b>Facility Name:</b> REMOTE PAPER WAREHOUSE
<b>Status:</b> RPT: a possible incident is reported	<b>Facility Address:</b> 135 W SYCAMORE ST
<b>Release Date:</b> 4/5/1993	<b>Facility City:</b> COLUMBUS
<b>Last Status Updated:</b> 4/16/1993	<b>Facility State:</b> Ohio
<b>Substatus:</b> Approved	<b>Facility ZIP:</b> 43215
<b>Priority:</b> 2	<b>Facility Latitude:</b> 39.948539
<b>Class:</b> D	<b>Facility Longitude:</b> -83.001538
<b>Rules:</b> 1992	<b>Last Review Date:</b> 4/16/1993
<b>Coordinator:</b> David Israel	<b>Last Update:</b> Charles Zepp
<b>LTF:</b> 2 SUS/CON from non-regulated UST	<b>Last Update Date:</b> 6/29/2022
<b>Rating:</b>	<b>County:</b> Franklin
<b>Sequence No:</b> 30829	
<b>Class Desc:</b> A viable RP has been identified	

85	1 of 1	ESE	0.52 / 2,737.51	769.52 / 15	Columbus Municipal Electric Plt Utility Boiler State Rte 104 S of Frank Rd Columbus OH 43207	DERR
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>DERR ID (Map):</b>	125000551				<b>DERR ID:</b>	125000551
<b>CERCLIS ID (Map):</b>	OHD981954639				<b>CERCLIS ID:</b>	OHD981954639
<b>Activity (Map):</b>	SA - Site Assessment				<b>Activity:</b>	SA - Site Assessment
<b>Name (Map):</b>	Columbus Municipal Electric Plt Utility Boiler				<b>Name:</b>	Columbus Municipal Electric Plt Utility Boiler
<b>Address (Map):</b>	State Rte 104 S of Frank Rd				<b>Address:</b>	State Rte 104 S of Frank Rd
<b>City (Map):</b>	Columbus				<b>City:</b>	Columbus
<b>Zip (Map):</b>	43207				<b>Postal Code:</b>	43207
<b>County (Map):</b>	Franklin				<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.905				<b>Latitude:</b>	39.905
<b>Longitude (Map):</b>	-83.025				<b>Longitude:</b>	-83.025
<b>OEPA Distr (Map):</b>	CDO				<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>	6					

Data Source: Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude: 39.905 X: -83.02499579799871  
 Longitude: -83.025 Y: 39.90499226768489  
 Alias:

<a href="#">86</a>	1 of 1	WNW	0.53 / 2,792.97	700.86 / -54	Central HS, Columbus 75 Washington St Columbus OH 43215	DERR
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<b>DERR ID (Map):</b>	125001888				<b>DERR ID:</b>	125001888
<b>CERCLIS ID (Map):</b>					<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	VAP - Voluntary Action Program				<b>Activity:</b>	VAP - Voluntary Action Program
<b>Name (Map):</b>	Central HS, Columbus				<b>Name:</b>	Central HS, Columbus
<b>Address (Map):</b>	75 Washington St				<b>Address:</b>	75 Washington St
<b>City (Map):</b>	Columbus				<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215				<b>Postal Code:</b>	43215
<b>County (Map):</b>	Franklin				<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.959677				<b>Latitude:</b>	39.959677
<b>Longitude (Map):</b>	-83.007251				<b>Longitude:</b>	-83.007251
<b>OEPA Distr (Map):</b>	CDO				<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>	6					

Data Source: Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude: 39.959677 X: -83.00724679946423  
 Longitude: -83.007251 Y: 39.95966925640873  
 Alias:

<a href="#">87</a>	1 of 1	ESE	0.53 / 2,798.25	770.16 / 15	Williams Co Drums, Columbia Co Rd 1 S of Co Rd S Columbia OH 43518	DERR
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<b>DERR ID (Map):</b>	386001370				<b>DERR ID:</b>	386001370
<b>CERCLIS ID (Map):</b>					<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	RR - Remedial Response				<b>Activity:</b>	RR - Remedial Response
<b>Name (Map):</b>	Williams Co Drums, Columbia				<b>Name:</b>	Williams Co Drums, Columbia
<b>Address (Map):</b>	Co Rd 1 S of Co Rd S				<b>Address:</b>	Co Rd 1 S of Co Rd S
<b>City (Map):</b>	Columbia				<b>City:</b>	Columbia
<b>Zip (Map):</b>	43518				<b>Postal Code:</b>	43518
<b>County (Map):</b>	Williams				<b>County:</b>	Williams
<b>Latitude (Map):</b>	41.67777778				<b>Latitude:</b>	41.67777778
<b>Longitude (Map):</b>	-84.80111111				<b>Longitude:</b>	-84.80111111
<b>OEPA Distr (Map):</b>	NWDO				<b>District:</b>	NWDO
<b>ODOT Distr (Map):</b>	2					

Data Source: Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:	41.67777778			X:	-84.8011062228585	
Longitude:	-84.80111111			Y:	41.677769810205525	
Alias:						

<a href="#">88</a>	1 of 1	NNW	0.54 / 2,869.84	760.01 / 5	Broad & High, Columbus 2-8 E Broad St & 12-20 N High St Columbus OH 43215	DERR
<b>DERR ID (Map):</b>	125002295			<b>DERR ID:</b>	125002295	
<b>CERCLIS ID (Map):</b>				<b>CERCLIS ID:</b>		
<b>Activity (Map):</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program			<b>Activity:</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program	
<b>Name (Map):</b>	Broad & High, Columbus			<b>Name:</b>	Broad & High, Columbus	
<b>Address (Map):</b>	2-8 E Broad St & 12-20 N High St			<b>Address:</b>	2-8 E Broad St & 12-20 N High St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip (Map):</b>	43215			<b>Postal Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.962659			<b>Latitude:</b>	39.962659	
<b>Longitude (Map):</b>	-83.000312			<b>Longitude:</b>	-83.000312	
<b>OEPA Distr (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT Distr (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Ohio EPA: DERR Database**

Alias: Broad & High, Columbus

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude:	39.962659	X:	-83.00030780084593
Longitude:	-83.000312	Y:	39.96265125541505
Alias:			

Latitude:	39.962659	X:	-83.00030780084593
Longitude:	-83.000312	Y:	39.96265125541505
Alias:	Broad & High, Columbus		

<a href="#">89</a>	1 of 1	W	0.57 / 2,994.58	713.56 / -41	Gilbert Plating, Columbus 304 W Mound St Columbus OH 43215	DERR
<b>DERR ID (Map):</b>	125001482			<b>DERR ID:</b>	125001482	
<b>CERCLIS ID (Map):</b>	OHD987048154			<b>CERCLIS ID:</b>	OHD987048154	
<b>Activity (Map):</b>	SA - Site Assessment; VAP - Voluntary Action Program			<b>Activity:</b>	SA - Site Assessment; VAP - Voluntary Action Program	
<b>Name (Map):</b>	Gilbert Plating, Columbus			<b>Name:</b>	Gilbert Plating, Columbus	
<b>Address (Map):</b>	304 W Mound St			<b>Address:</b>	304 W Mound St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip (Map):</b>	43215			<b>Postal Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.954248			<b>Latitude:</b>	39.954248	
<b>Longitude (Map):</b>	-83.007291			<b>Longitude:</b>	-83.007291	
<b>OEPA Distr (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT Distr (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Ohio EPA: DERR Database**

Alias: Handwell Co

**Map Services Directory: DERR Database (OEPA-DERR)**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Latitude:	39.954248			X:	-83.00728679916116	
Longitude:	-83.007291			Y:	39.95424025723024	
Alias:	Handwell Co					
Latitude:	39.954248			X:	-83.00728679916116	
Longitude:	-83.007291			Y:	39.95424025723024	
Alias:						

<a href="#">90</a>	1 of 1	W	0.57 / 3,018.95	714.01 / -41	Miranova Property Residential & Commercial, 304 W Mound St 270 W Mound St Columbus OH 43215	DERR
<b>DERR ID (Map):</b>	125001935			<b>DERR ID:</b>	125001935	
<b>CERCLIS ID (Map):</b>				<b>CERCLIS ID:</b>		
<b>Activity (Map):</b>	VAP - Voluntary Action Program			<b>Activity:</b>	VAP - Voluntary Action Program	
<b>Name (Map):</b>	Miranova Property Residential & Commercial, 304 W Mound St			<b>Name:</b>	Miranova Property Residential & Commercial, 304 W Mound St	
<b>Address (Map):</b>	270 W Mound St			<b>Address:</b>	270 W Mound St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip (Map):</b>	43215			<b>Postal Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.954786			<b>Latitude:</b>	39.954786	
<b>Longitude (Map):</b>	-83.005596			<b>Longitude:</b>	-83.005596	
<b>OEPA Distr (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT Distr (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Ohio EPA: DERR Database**

**Alias:** Pizzuti Properties  
**Alias:** Miranova Ltd

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude:	39.954786			X:	-83.00559179996213	
Longitude:	-83.005596			Y:	39.954778257209846	
Alias:	Pizzuti Properties					
Latitude:	39.954786			X:	-83.00559179996213	
Longitude:	-83.005596			Y:	39.954778257209846	
Alias:						
Latitude:	39.954786			X:	-83.00559179996213	
Longitude:	-83.005596			Y:	39.954778257209846	
Alias:	Miranova Ltd					

<a href="#">91</a>	1 of 1	NNE	0.59 / 3,098.88	767.13 / 12	Seneca Hotel Former, Columbus 361 & 371 E Broad St Columbus OH 43215-3818	DERR
<b>DERR ID (Map):</b>	125002322			<b>DERR ID:</b>	125002322	
<b>CERCLIS ID (Map):</b>				<b>CERCLIS ID:</b>		
<b>Activity (Map):</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program			<b>Activity:</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program	
<b>Name (Map):</b>	Seneca Hotel Former, Columbus			<b>Name:</b>	Seneca Hotel Former, Columbus	
<b>Address (Map):</b>	361 & 371 E Broad St			<b>Address:</b>	361 & 371 E Broad St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip (Map):</b>	43215-3818			<b>Postal Code:</b>	43215-3818	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.962936			<b>Latitude:</b>	39.962936	
<b>Longitude (Map):</b>	-82.99065			<b>Longitude:</b>	-82.99065	
<b>OEPA Distr (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT Distr (Map):</b>	6					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Data Source: Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Ohio EPA: DERR Database**

Alias: !FILL!  
 Alias: Ohio EPA Hq Former  
 Alias: Seneca Hotel Former, Columbus

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude:	39.962936	X:	-82.99064580392084
Longitude:	-82.99065	Y:	39.96292825509168
Alias:	!FILL!		
Latitude:	39.962936	X:	-82.99064580392084
Longitude:	-82.99065	Y:	39.96292825509168
Alias:			
Latitude:	39.962936	X:	-82.99064580392084
Longitude:	-82.99065	Y:	39.96292825509168
Alias:	Ohio EPA Hq Former		
Latitude:	39.962936	X:	-82.99064580392084
Longitude:	-82.99065	Y:	39.96292825509168
Alias:	Seneca Hotel Former, Columbus		

<a href="#">92</a>	1 of 1	NNW	0.59 / 3,130.77	754.71 / 0	Adamsmark, Columbus 50 N Third St Columbus OH 43215	DERR
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<b>DERR ID (Map):</b>	125001877	<b>DERR ID:</b>	125001877
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	VAP - Voluntary Action Program	<b>Activity:</b>	VAP - Voluntary Action Program
<b>Name (Map):</b>	Adamsmark, Columbus	<b>Name:</b>	Adamsmark, Columbus
<b>Address (Map):</b>	50 N Third St	<b>Address:</b>	50 N Third St
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215	<b>Postal Code:</b>	43215
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.963609	<b>Latitude:</b>	39.963609
<b>Longitude (Map):</b>	-82.997705	<b>Longitude:</b>	-82.997705
<b>OEPA Distr (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>	6		

Data Source: Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude:	39.963609	X:	-82.99770080167083
Longitude:	-82.997705	Y:	39.96360125549276
Alias:			

<a href="#">93</a>	1 of 1	SSW	0.60 / 3,175.07	741.64 / -13	Edlow Lead Co, Columbus 729 Bank St Columbus OH 43206-	DERR
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<b>DERR ID (Map):</b>	125002365	<b>DERR ID:</b>	125002365
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	SA - Site Assessment; VAP - Voluntary Action Program	<b>Activity:</b>	SA - Site Assessment; VAP - Voluntary Action Program
<b>Name (Map):</b>	Edlow Lead Co, Columbus	<b>Name:</b>	Edlow Lead Co, Columbus
<b>Address (Map):</b>	729 Bank St	<b>Address:</b>	729 Bank St
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43206-	<b>Postal Code:</b>	43206-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
County (Map):	Franklin				County:	Franklin
Latitude (Map):	39.946475				Latitude:	39.946475
Longitude (Map):	-83.000101				Longitude:	-83.000101
OEPA Distrt (Map):	CDO				District:	CDO
ODOT Distrt (Map):	6					
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

**Ohio EPA: DERR Database**

Alias: Brewers Yard Apartments, Columbus

**Map Services Directory: DERR Database (OEPA-DERR)**

Latitude:	39.946475	X:	-83.000096802287
Longitude:	-83.000101	Y:	39.9464672587875
Alias:	Brewers Yard Apartments, Columbus		
Latitude:	39.946475	X:	-83.000096802287
Longitude:	-83.000101	Y:	39.9464672587875
Alias:			

<a href="#">94</a>	1 of 1	WSW	0.68 / 3,612.15	713.03 / -42	HARPER INDUSTRIES INCORPORATED 347 MAIER PLACE COLUMBUS OH 43203	RCRA CORRACTS
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EPA Handler ID: OHD037526092  
 Gen Status Universe: No Report  
 Contact Name: MIKE GRADY  
 Contact Address: PO BOX 03272 , , COLUMBUS , OH, 43203 , US  
 Contact Phone No and Ext: 614-461-1918  
 Contact Email:  
 Contact Country: US  
 County Name: FRANKLIN  
 EPA Region: 05  
 Land Type:  
 Receive Date: 19820707  
 Location Latitude:  
 Location Longitude:

**Event/Area Details**

Area Name: ENTIRE FACILITY  
 Event Code: CA070NO  
 Corrective Action Event Descri: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY  
 Actual Date of Event: 20100602  
 Orig Sched Event Date:  
 New Sched Event Date:  
 Best Date: 20100602  
 Groundwater Release Indicator:  
 Soil Release Indicator:  
 Air Release Indicator:  
 Surface Waste Release Ind:  
 Event Responsible Agency: E

**Violation/Evaluation Summary**

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Apr, 2024.

**Violation Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Found Violation:</b>		Yes				
<b>Citation:</b>		SR - 3745-66-42 & 43				
<b>Violation Short Description:</b>		TSD - Financial Requirements				
<b>Violation Type:</b>		264.H				
<b>Violation Determined Date:</b>		19940119				
<b>Scheduled Compliance Date:</b>						
<b>Return to Compliance:</b>		Observed				
<b>Actual Return to Compl:</b>		19990628				
<b>Violation Responsible Agency:</b>		State				

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19980616  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19940125  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Found Violation:** Yes  
**Citation:**  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19880330  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19910820  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19880503  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Enforcement Type:** 310  
**Enforcement Type Description:** FINAL 3008(A) COMPLIANCE ORDER  
**Enforcement Action Date:** 19901113  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Evaluation Details**

**Evaluation Start Date:** 19990628  
**Evaluation Type Description:** FINANCIAL RECORD REVIEW  
**Violation Short Description:**  
**Return to Compliance Date:**  
**Evaluation Agency:** State

**Evaluation Start Date:** 19980603  
**Evaluation Type Description:** FINANCIAL RECORD REVIEW  
**Violation Short Description:** TSD - Financial Requirements  
**Return to Compliance Date:** 19990628  
**Evaluation Agency:** State

**Evaluation Start Date:** 19940119  
**Evaluation Type Description:** FINANCIAL RECORD REVIEW  
**Violation Short Description:** TSD - Financial Requirements  
**Return to Compliance Date:** 19990628  
**Evaluation Agency:** State

**Evaluation Start Date:** 19880330  
**Evaluation Type Description:** COMPLIANCE EVALUATION INSPECTION  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19910820  
**Evaluation Agency:** State

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner:** No  
**Smelting, Melting and Refining:** No  
**Underground Injection Control:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19820707  
**Handler Name:** HARPER INDUSTRIES INCORPORATED  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified  
**Source Type:** Notification

**Waste Code Details**

**Hazardous Waste Code:** D000  
**Waste Code Description:** DESCRIPTION

**Owner/Operator Details**

**Owner/Operator Ind:** Current Operator  
**Type:** Private  
**Street No:**  
**Street 1:** ADDRESS NOT REPORTED

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Name:</b>	NAME NOT REPORTED	<b>Street 2:</b>				
<b>Date Became Current:</b>		<b>City:</b>			CITY NOT REPORTED	
<b>Date Ended Current:</b>		<b>State:</b>			AK	
<b>Phone:</b>	312-555-1212	<b>Country:</b>				
<b>Source Type:</b>	Notification	<b>Zip Code:</b>			99998	
<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>				
<b>Type:</b>	Private	<b>Street 1:</b>			ADDRESS NOT REPORTED	
<b>Name:</b>	HARPER SANDFORD	<b>Street 2:</b>				
<b>Date Became Current:</b>		<b>City:</b>			CITY NOT REPORTED	
<b>Date Ended Current:</b>		<b>State:</b>			AK	
<b>Phone:</b>	312-555-1212	<b>Country:</b>				
<b>Source Type:</b>	Notification	<b>Zip Code:</b>			99998	

<a href="#">95</a>	1 of 1	E	0.70 / 3,674.57	762.25 / 8	Columbus Metals Co Parsons Ave 459 Parsons Ave Columbus OH 43215-	DERR
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<b>DERR ID (Map):</b>	125002366	<b>DERR ID:</b>	125002366
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	SA - Site Assessment	<b>Activity:</b>	SA - Site Assessment
<b>Name (Map):</b>	Columbus Metals Co Parsons Ave	<b>Name:</b>	Columbus Metals Co Parsons Ave
<b>Address (Map):</b>	459 Parsons Ave	<b>Address:</b>	459 Parsons Ave
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215-	<b>Postal Code:</b>	43215-
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.954564	<b>Latitude:</b>	39.954564
<b>Longitude (Map):</b>	-82.982104	<b>Longitude:</b>	-82.982104
<b>OEPA Distrt (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distrt (Map):</b>	6		
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

**Map Services Directory: DERR Database (OEPA-DERR)**

<b>Latitude:</b>	39.954564	<b>X:</b>	-82.98209980687008
<b>Longitude:</b>	-82.982104	<b>Y:</b>	39.954556256476096
<b>Alias:</b>			

<a href="#">96</a>	1 of 2	NNW	0.74 / 3,931.01	742.77 / -12	CENTRAL OIL ASPHALT CORP 8 E LONG ST COLUMBUS OH 43215	RCRA CORRACTS
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<b>EPA Handler ID:</b>	OHD987048170
<b>Gen Status Universe:</b>	No Report
<b>Contact Name:</b>	
<b>Contact Address:</b>	
<b>Contact Phone No and Ext:</b>	
<b>Contact Email:</b>	
<b>Contact Country:</b>	
<b>County Name:</b>	FRANKLIN
<b>EPA Region:</b>	05
<b>Land Type:</b>	
<b>Receive Date:</b>	20210506
<b>Location Latitude:</b>	39.965041
<b>Location Longitude:</b>	-83.000662

**Event/Area Details**

<b>Area Name:</b>	ENTIRE FACILITY
<b>Event Code:</b>	CA001
<b>Corrective Action Event Descri:</b>	ADDITIONAL INFORMATION NECESSARY [CATEGORY B] - INITIAL LOAD
<b>Actual Date of Event:</b>	20060701
<b>Orig Sched Event Date:</b>	
<b>New Sched Event Date:</b>	
<b>Best Date:</b>	20060701

Groundwater Release Indicator:  
 Soil Release Indicator:  
 Air Release Indicator:  
 Surface Waste Release Ind:  
 Event Responsible Agency: S

**Violation/Evaluation Summary**

**Note:** VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Apr, 2024.

**Violation Details**

**Found Violation:** Yes  
**Citation:** SR - 3745-52-11  
**Violation Short Description:** Generators - General  
**Violation Type:** 262.A  
**Violation Determined Date:** 19920717  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921207  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921029  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Violation Details**

**Found Violation:** Yes  
**Citation:** SS - 3734.02(E) & (F)  
**Violation Short Description:** TSD - General  
**Violation Type:** 264.A  
**Violation Determined Date:** 19920717  
**Scheduled Compliance Date:**  
**Return to Compliance:** Observed  
**Actual Return to Compl:** 19921207  
**Violation Responsible Agency:** State

**Enforcement Details**

**Enforcement Type:** 120  
**Enforcement Type Description:** WRITTEN INFORMAL  
**Enforcement Action Date:** 19921029  
**Enf Disposition Status:**  
**Disposition Status Date:**  
**Enforcement Lead Agency:** State  
**Proposed Penalty Amount:**  
**Final Amount:**  
**Paid Amount:**

**Evaluation Details**

**Evaluation Start Date:** 19920717

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Evaluation Type Description:** FOCUSED COMPLIANCE INSPECTION  
**Violation Short Description:** Generators - General  
**Return to Compliance Date:** 19921207  
**Evaluation Agency:** State

**Evaluation Start Date:** 19920717  
**Evaluation Type Description:** FOCUSED COMPLIANCE INSPECTION  
**Violation Short Description:** TSD - General  
**Return to Compliance Date:** 19921207  
**Evaluation Agency:** State

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner:** No  
**Smelting, Melting and Refining:** No  
**Underground Injection Control:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19790101  
**Handler Name:** CENTRAL OIL ASPHALT CORP  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified  
**Source Type:** Notification

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 19921029  
**Handler Name:** CENTRAL OIL ASPHALT CORP  
**Federal Waste Generator Code:** 2  
**Generator Code Description:** Small Quantity Generator  
**Source Type:** Implementer

**Hazardous Waste Handler Details**

**Sequence No:** 2  
**Receive Date:** 20210506  
**Handler Name:** CENTRAL OIL ASPHALT CORP  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified  
**Source Type:** Implementer

**Historical Handler Details**

**Receive Dt:** 19921029  
**Generator Code Description:** Small Quantity Generator  
**Handler Name:** CENTRAL OIL ASPHALT CORP

**Receive Dt:** 19790101

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Generator Code Description:</b>		Not a Generator, Verified				
<b>Handler Name:</b>		CENTRAL OIL ASPHALT CORP				

[96](#) 2 of2 NNW 0.74 / 3,931.01 742.77 / -12 Atlas Bldg, Columbus 8 E Long St Columbus OH 43215- DERR

<b>DERR ID (Map):</b>	125002885	<b>DERR ID:</b>	125002885
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program	<b>Activity:</b>	COF - Clean Ohio Fund; VAP - Voluntary Action Program
<b>Name (Map):</b>	Atlas Bldg, Columbus	<b>Name:</b>	Atlas Bldg, Columbus
<b>Address (Map):</b>	8 E Long St	<b>Address:</b>	8 E Long St
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215-	<b>Postal Code:</b>	43215-
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.9652786	<b>Latitude:</b>	
<b>Longitude (Map):</b>	-83.0007248	<b>Longitude:</b>	
<b>OEPA Distrt (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distrt (Map):</b>	6		

**Data Source:** Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

**Latitude:** 39.9652786 **X:** -83.00072060064407  
**Longitude:** -83.0007248 **Y:** 39.965270855347065  
**Alias:**

[97](#) 1 of1 NW 0.76 / 4,008.30 740.10 / -15 COLUMBUS GAS LIGHT & COKE COMPANY LONG & FRONT STREETS COLUMBUS OH 43201 TOWNGAS

<b>Process:</b>	COAL GAS	<b>Latitude (D/M/S):</b>	39 57 53
<b>County:</b>	FRANKLIN	<b>Longitude (D/M/S):</b>	83 00 15
<b>District:</b>	1		

[98](#) 1 of1 NNW 0.76 / 4,013.57 739.77 / -15 (FACILITY) ASARCO COLUMBUS SMELTER FRANKLIN COUNTY COLUMBUS OH 43215 MRDS

<b>Dep ID:</b>	10297514	<b>I1:</b>	39
<b>Dev Status:</b>	PLANT	<b>Latitude:</b>	39.965698
<b>Code List:</b>	ZN S_A	<b>Longitude:</b>	-82.999878
<b>Url:</b>	<a href="http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10297514">http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10297514</a>		

**Commodity**

<b>I1:</b>	41	<b>Line:</b>	2
<b>Code:</b>	ZN	<b>Inserted By:</b>	MAS migration
<b>Commodity:</b>	Zinc	<b>Insert Date:</b>	29-OCT-02
<b>Commodity Type:</b>	Metallic	<b>Updated By:</b>	USGS
<b>Commodity Group:</b>	Zinc	<b>Update Date:</b>	29-OCT-02
<b>Importance:</b>	Primary		

<b>I1:</b>	46	<b>Line:</b>	1
<b>Code:</b>	S_A	<b>Inserted By:</b>	MAS migration
<b>Commodity:</b>	Sulfur, Sulfuric Acid	<b>Insert Date:</b>	29-OCT-02
<b>Commodity Type:</b>	Non-metallic	<b>Updated By:</b>	USGS
<b>Commodity Group:</b>	Sulfur	<b>Update Date:</b>	29-OCT-02
<b>Importance:</b>	Tertiary		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Names**

<b>I1:</b>	37	<b>Inserted By:</b>	MAS migration
<b>Status:</b>	Current	<b>Insert Date:</b>	29-OCT-02
<b>Site Name:</b>	(Facility) Asarco Columbus Smelter	<b>Updated By:</b>	USGS
<b>Line:</b>	1	<b>Update Date:</b>	29-OCT-02

<a href="#">99</a>	1 of 1	WSW	0.76 / 4,031.12	705.53 / -49	Whittier Peninsula Project, Columbus Whittier Peninsula Columbus OH 43215	DERR
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<b>DERR ID (Map):</b>	125001668	<b>DERR ID:</b>	125001668
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	COF - Clean Ohio Fund; SA - Site Assessment; RR - Remedial Response; VAP - Voluntary Action Program	<b>Activity:</b>	COF - Clean Ohio Fund; SA - Site Assessment; RR - Remedial Response; VAP - Voluntary Action Program
<b>Name (Map):</b>	Whittier Peninsula Project, Columbus	<b>Name:</b>	Whittier Peninsula Project, Columbus
<b>Address (Map):</b>	Whittier Peninsula	<b>Address:</b>	Whittier Peninsula
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215	<b>Postal Code:</b>	43215
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.947777	<b>Latitude:</b>	39.947777
<b>Longitude (Map):</b>	-83.007697	<b>Longitude:</b>	-83.007697
<b>OEPA Distr (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distr (Map):</b>	6		
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

**Ohio EPA: DERR Database**

<b>Alias:</b>	Koch Asphalt
<b>Alias:</b>	Lazarus Warehouse Former
<b>Alias:</b>	Maier Whse
<b>Alias:</b>	Whittier Peninsula Northern Tier, Columbus
<b>Alias:</b>	Lazarus Whittier Peninsula Columbus
<b>Alias:</b>	Cunard Lang
<b>Alias:</b>	Whittier Peninsula Project, Columbus
<b>Alias:</b>	Lazarus Bldg, Columbus
<b>Alias:</b>	Lazarus Property & Southern Portions of Cunard L
<b>Alias:</b>	Whittier Peninsula Southern Tier, Columbus
<b>Alias:</b>	Columbus Recreation and Parks Facilities
<b>Alias:</b>	Koch Mfg

**Map Services Directory: DERR Database (OEPA-DERR)**

<b>Latitude:</b>	39.947777	<b>X:</b>	-83.00769280032344
<b>Longitude:</b>	-83.007697	<b>Y:</b>	39.947769259048286
<b>Alias:</b>			
<b>Latitude:</b>	39.947777	<b>X:</b>	-83.00769280032344
<b>Longitude:</b>	-83.007697	<b>Y:</b>	39.947769259048286
<b>Alias:</b>	Lazarus Whittier Peninsula Columbus		
<b>Latitude:</b>	39.947777	<b>X:</b>	-83.00769280032344

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Longitude:</b> <b>Alias:</b>	-83.007697 Whittier Peninsula Northern Tier, Columbus			Y:	39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Cunard Lang			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Koch Mfg			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Lazarus Warehouse Former			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Lazarus Bldg, Columbus			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Maier Whse			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Whittier Peninsula Southern Tier, Columbus			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Columbus Recreation and Parks Facilities			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Koch Asphalt			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Lazarus Property & Southern Portions of Cunard L			X: Y:	-83.00769280032344 39.947769259048286	
<b>Latitude:</b> <b>Longitude:</b> <b>Alias:</b>	39.947777 -83.007697 Whittier Peninsula Project, Columbus			X: Y:	-83.00769280032344 39.947769259048286	

[100](#)

1 of 1

WSW

0.82 /  
4,341.56

709.06 /  
-46

**Columbus Scrap Corp, 580  
Furnace St  
580 Furnace St  
Columbus OH 43215**

**DERR**

**DERR ID (Map):** 125001289  
**CERCLIS ID (Map):** OHD131884348  
**Activity (Map):** SA - Site Assessment; RR - Remedial Response  
**Name (Map):** Columbus Scrap Corp, 580 Furnace St  
**Address (Map):** 580 Furnace St  
**City (Map):** Columbus  
**Zip (Map):** 43215  
**County (Map):** Franklin  
**Latitude (Map):** 39.9475  
**Longitude (Map):** -83.00472222  
**OEPA Distr (Map):** CDO  
**ODOT Distr (Map):** 6  
**Data Source:**

**DERR ID:** 125001289  
**CERCLIS ID:** OHD131884348  
**Activity:** SA - Site Assessment; RR - Remedial Response  
**Name:** Columbus Scrap Corp, 580 Furnace St  
**Address:** 580 Furnace St  
**City:** Columbus  
**Postal Code:** 43215  
**County:** Franklin  
**Latitude:** 39.9475  
**Longitude:** -83.00472222  
**District:** CDO

Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

**Latitude:** 39.9475 **X:** -83.00471802119634

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Longitude:	-83.00472222			Y:	39.94749225867459	
Alias:						

<a href="#">101</a>	1 of 1	W	0.83 / 4,362.69	709.98 / -45	Columbus East Site  OH	LM SITES
<b>ID:</b>	71			<b>Last Updated:</b>	12/11/2023, 6:05 PM	
<b>Regulatory Driver:</b>	FUSRAP			<b>Last Run:</b>	11/7/2023, 6:52 PM	
<b>Transfer year:</b>	2001			<b>Latitude:</b>	39.95694	
<b>Maintenance Cat:</b>	1			<b>Longitude:</b>	-83.01174	
<b>Zoom Level:</b>	14			<b>X:</b>	-83.01173579837574	
<b>Name Mnemonic:</b>	COE			<b>Y:</b>	39.956932257054206	
<b>Available on Web:</b>	Yes					
<b>Site Coord Sys Wkid:</b>	-1					
<b>Site Coord Sys Wkt:</b>						
<b>Name:</b>	Columbus East, OH, Site					
<b>Fact Sheet Document:</b>	<a href="https://www.energy.gov/lm/articles/columbus-east-ohio-site-fact-sheet">https://www.energy.gov/lm/articles/columbus-east-ohio-site-fact-sheet</a>					
<b>Maintenance Category Desc:</b>	1 - Activities typically include records-related activities and stakeholder support.					
<b>Directory:</b>	\\OH\ColumbusEast					
<b>Public Web URL:</b>	<a href="https://www.energy.gov/lm/columbus-east-ohio-site">https://www.energy.gov/lm/columbus-east-ohio-site</a>					

<a href="#">102</a>	1 of 1	W	0.83 / 4,377.64	710.54 / -44	B&T Metals Co, Columbus 425 Town St W Town St/CSX Rail Line/W Rich St/Gift St Columbus OH 43215	DERR
<b>DERR ID (Map):</b>	125000124			<b>DERR ID:</b>	125000124	
<b>CERCLIS ID (Map):</b>	OHD004290011			<b>CERCLIS ID:</b>	OHD004290011	
<b>Activity (Map):</b>	COF - Clean Ohio Fund; SA - Site Assessment; VAP - Voluntary Action Program			<b>Activity:</b>	COF - Clean Ohio Fund; SA - Site Assessment; VAP - Voluntary Action Program	
<b>Name (Map):</b>	B&T Metals Co, Columbus			<b>Name:</b>	B&T Metals Co, Columbus	
<b>Address (Map):</b>	425 Town St W Town St/CSX Rail Line/W Rich St/Gift St			<b>Address:</b>	425 Town St W Town St/CSX Rail Line/W Rich St/Gift St	
<b>City (Map):</b>	Columbus			<b>City:</b>	Columbus	
<b>Zip (Map):</b>	43215			<b>Postal Code:</b>	43215	
<b>County (Map):</b>	Franklin			<b>County:</b>	Franklin	
<b>Latitude (Map):</b>	39.956667			<b>Latitude:</b>	39.956667	
<b>Longitude (Map):</b>	-83.012466			<b>Longitude:</b>	-83.012466	
<b>OEPA Distrt (Map):</b>	CDO			<b>District:</b>	CDO	
<b>ODOT Distrt (Map):</b>	6					
<b>Data Source:</b>	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)					

#### Ohio EPA: DERR Database

<b>Alias:</b>	B&T Metals Co, Columbus
<b>Alias:</b>	Eickholt Glass Co
<b>Alias:</b>	DA Ebinger Mfg Co
<b>Alias:</b>	B&T Floor Co
<b>Alias:</b>	Ebco Mfg, Columbus

#### Map Services Directory: DERR Database (OEPA-DERR)

<b>Latitude:</b>	39.956667	<b>X:</b>	-83.01246179772596
<b>Longitude:</b>	-83.012466	<b>Y:</b>	39.956659257457886
<b>Alias:</b>	DA Ebinger Mfg Co		
<b>Latitude:</b>	39.956667	<b>X:</b>	-83.01246179772596
<b>Longitude:</b>	-83.012466	<b>Y:</b>	39.956659257457886
<b>Alias:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Latitude:</b>	39.956667			<b>X:</b>	-83.01246179772596	
<b>Longitude:</b>	-83.012466			<b>Y:</b>	39.956659257457886	
<b>Alias:</b>	B&T Metals Co, Columbus					
<b>Latitude:</b>	39.956667			<b>X:</b>	-83.01246179772596	
<b>Longitude:</b>	-83.012466			<b>Y:</b>	39.956659257457886	
<b>Alias:</b>	B&T Floor Co					
<b>Latitude:</b>	39.956667			<b>X:</b>	-83.01246179772596	
<b>Longitude:</b>	-83.012466			<b>Y:</b>	39.956659257457886	
<b>Alias:</b>	Eickholt Glass Co					
<b>Latitude:</b>	39.956667			<b>X:</b>	-83.01246179772596	
<b>Longitude:</b>	-83.012466			<b>Y:</b>	39.956659257457886	
<b>Alias:</b>	Ebco Mfg, Columbus					

[103](#) 1 of 1 **W** **0.84 / 4,419.56** **710.54 / -44** **Columbus East Site** **DOE FUSRAP**  
**COLUMBUS OH**

**Maintenance:** Category I  
**Transfer Year:** 2001  
**Regulatory:** FUSRAP  
**Fact Sheet Document:** [https://www.lm.doe.gov/Columbus\\_East/factsheet.pdf](https://www.lm.doe.gov/Columbus_East/factsheet.pdf)  
**Public Web URL:** [https://www.lm.doe.gov/columbus\\_east/Sites.aspx](https://www.lm.doe.gov/columbus_east/Sites.aspx)

[104](#) 1 of 1 **WNW** **0.87 / 4,586.54** **710.42 / -44** **Franklinton Warehouse, Columbus** **DERR**  
**433, 435 and 451 West State Street**  
**Columbus OH 43215-**

<b>DERR ID (Map):</b>	125003072	<b>DERR ID:</b>	125003072
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>	VAP - Voluntary Action Program	<b>Activity:</b>	VAP - Voluntary Action Program
<b>Name (Map):</b>	Franklinton Warehouse, Columbus	<b>Name:</b>	Franklinton Warehouse, Columbus
<b>Address (Map):</b>	433, 435 and 451 West State Street	<b>Address:</b>	433, 435 and 451 West State Street
<b>City (Map):</b>	Columbus	<b>City:</b>	Columbus
<b>Zip (Map):</b>	43215-	<b>Postal Code:</b>	43215-
<b>County (Map):</b>	Franklin	<b>County:</b>	Franklin
<b>Latitude (Map):</b>	39.958415	<b>Latitude:</b>	
<b>Longitude (Map):</b>	-83.011947	<b>Longitude:</b>	
<b>OEPA Distrt (Map):</b>	CDO	<b>District:</b>	CDO
<b>ODOT Distrt (Map):</b>	6		

**Data Source:** Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)

**Map Services Directory: DERR Database (OEPA-DERR)**

**Latitude:** 39.958415 **X:** -83.01194279788717  
**Longitude:** -83.011947 **Y:** 39.95840725700682  
**Alias:**

[105](#) 1 of 1 **ENE** **0.88 / 4,623.26** **798.07 / 43** **Parsons Parc, Columbus** **DERR**  
**122 Parsons Ave**  
**Columbus OH 43215-**

<b>DERR ID (Map):</b>		<b>DERR ID:</b>	125003293
<b>CERCLIS ID (Map):</b>		<b>CERCLIS ID:</b>	
<b>Activity (Map):</b>		<b>Activity:</b>	VAP - Voluntary Action Program
<b>Name (Map):</b>		<b>Name:</b>	Parsons Parc, Columbus
<b>Address (Map):</b>		<b>Address:</b>	122 Parsons Ave
<b>City (Map):</b>		<b>City:</b>	Columbus
<b>Zip (Map):</b>		<b>Postal Code:</b>	43215-
<b>County (Map):</b>		<b>County:</b>	Franklin
<b>Latitude (Map):</b>		<b>Latitude:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Longitude (Map):</b> <b>OEPA Distrt (Map):</b> <b>ODOT Distrt (Map):</b> <b>Data Source:</b>		Ohio EPA: DERR Database		<b>Longitude:</b> <b>District:</b>		CDO
<a href="#">106</a>	1 of 1	WNW	0.93 / 4,925.55	711.34 / -43	Gravity Phase II Project, Columbus 429 W Broad St Columbus OH 43215-	DERR
<b>DERR ID (Map):</b> <b>CERCLIS ID (Map):</b> <b>Activity (Map):</b> <b>Name (Map):</b> <b>Address (Map):</b> <b>City (Map):</b> <b>Zip (Map):</b> <b>County (Map):</b> <b>Latitude (Map):</b> <b>Longitude (Map):</b> <b>OEPA Distrt (Map):</b> <b>ODOT Distrt (Map):</b> <b>Data Source:</b>		Ohio EPA: DERR Database		<b>DERR ID:</b> <b>CERCLIS ID:</b> <b>Activity:</b> <b>Name:</b> <b>Address:</b> <b>City:</b> <b>Postal Code:</b> <b>County:</b> <b>Latitude:</b> <b>Longitude:</b> <b>District:</b>		125003452 VAP - Voluntary Action Program Gravity Phase II Project, Columbus 429 W Broad St Columbus 43215- Franklin CDO
<a href="#">107</a>	1 of 1	WNW	1.00 / 5,276.00	712.07 / -43	Gravity Project, Columbus 500 W Broad St Columbus OH 43215-	DERR
<b>DERR ID (Map):</b> <b>CERCLIS ID (Map):</b> <b>Activity (Map):</b> <b>Name (Map):</b> <b>Address (Map):</b> <b>City (Map):</b> <b>Zip (Map):</b> <b>County (Map):</b> <b>Latitude (Map):</b> <b>Longitude (Map):</b> <b>OEPA Distrt (Map):</b> <b>ODOT Distrt (Map):</b> <b>Data Source:</b>		Ohio EPA: DERR Database		<b>DERR ID:</b> <b>CERCLIS ID:</b> <b>Activity:</b> <b>Name:</b> <b>Address:</b> <b>City:</b> <b>Postal Code:</b> <b>County:</b> <b>Latitude:</b> <b>Longitude:</b> <b>District:</b>		125003352 VAP - Voluntary Action Program Gravity Project, Columbus 500 W Broad St Columbus 43215- Franklin CDO

# Unplottable Summary

Total: 19 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERNS		NEAR MOUND STREET <i>NRC Report No: 528622</i>	COLUMBUS OH		806704645
HMIRS		ROUTE 70 EAST	COLUMBUS OH		818346488
HMIRS		MOUND STREET	COLUMBUS OH		818509131
SPILLS		I70 WB JUST E OF MOUND ST	COLUMBUS OH		813110857
SPILLS		AT SOUTH EDGE OF VACANT LOT SOUTH OF E FULTON DEAD END	COLUMBUS OH		813130889
SPILLS		I70 EB AT MOUND ST	COLUMBUS OH		813112853
SPILLS		MOUND ST BRIDGE @ SCIOTO RIVER	COLUMBUS OH		813123317
SPILLS		I70 WB @ CHAMPION	COLUMBUS OH		813250537
SPILLS		I-70 EASTBOUND @ THE 120 MILEPOST	COLUMBUS OH		813240074
SPILLS		I-70 EB @ 315	COLUMBUS OH		813235736
SPILLS		I-70 EB @ MILLER KELTON EXIT	COLUMBUS OH		813212353

SPILLS	I70 WEST @ MM 95	COL OH	813200906
SPILLS	I70 @ 270 WEST SIDE	COLUMBUS OH	813198371
SPILLS	I-70 WB @ EXIT 96	COLUMBUS OH	813195966
SPILLS	I70 EB @ HIGH & THIRD	COLUMBUS OH	813183849
SPILLS	I-70 WESTBOUND - EAST OF MOUND ST.	COLUMBUS OH	813170992
SPILLS	270 @ I-70 WB RAMP ON E SIDE OF COLUMBUS	COLUMBUS OH	813164704
SPILLS	I70 WB @ I670 INTERCHANGE ON NORTH BERM	COLUMBUS OH	813138646
SPILLS	I70 WB @ WILSON	COLUMBUS OH	813131255

# Unplottable Report

**Site:**

NEAR MOUND STREET COLUMBUS OH

ERNS

<b>NRC Report No:</b>	528622	<b>Latitude Degrees:</b>	
<b>Type of Incident:</b>	RAILROAD NON-RELEASE	<b>Latitude Minutes:</b>	
<b>Incident Cause:</b>	OTHER	<b>Latitude Seconds:</b>	
<b>Incident Date:</b>	10-May-2000 15:10:00	<b>Longitude Degrees:</b>	
<b>Incident Location:</b>		<b>Longitude Minutes:</b>	
<b>Incident Dtg:</b>	OCCURRED	<b>Longitude Seconds:</b>	
<b>Distance from City:</b>		<b>Lat Quad:</b>	
<b>Distance Units:</b>		<b>Long Quad:</b>	
<b>Direction from City:</b>		<b>Location Section:</b>	
<b>Location County:</b>	FRANKLIN	<b>Location Township:</b>	
<b>Potential Flag:</b>		<b>Location Range:</b>	
<b>Year:</b>	Year 2000 Reports		
<b>Description of Incident:</b>	A FREIGHT TRAIN STRUCK A TRESPASSER ON THE TRACKS.		

**Calls Information**

<b>Date Time Received:</b>	10-May-2000 17:29:05	<b>Responsible City:</b>	
<b>Date Time Complete:</b>	10-May-2000 17:31:33	<b>Responsible State:</b>	XX
<b>Call Type:</b>	INC	<b>Responsible Zip:</b>	
<b>Resp Company:</b>		<b>Source:</b>	UNAVAILABLE
<b>Resp Org Type:</b>	UNKNOWN		

**Incident Information**

<b>Tank ID:</b>		<b>Building ID:</b>	
<b>Tank Regulated:</b>	U	<b>Location Area ID:</b>	
<b>Tank Regulated By:</b>		<b>Location Block ID:</b>	
<b>Capacity of Tank:</b>		<b>OCSG No:</b>	
<b>Capacity Tank Units:</b>		<b>OCSF No:</b>	
<b>Description of Tank:</b>		<b>State Lease No:</b>	
<b>Actual Amount:</b>		<b>Pier Dock No:</b>	
<b>Actual Amount Units:</b>		<b>Berth Slip No:</b>	
<b>Tank Above Ground:</b>	ABOVE	<b>Brake Failure:</b>	N
<b>NPDES:</b>		<b>Airbag Deployed:</b>	
<b>NPDES Compliance:</b>	U	<b>Transport Contain:</b>	U
<b>Init Contin Rel No:</b>		<b>Location Subdiv:</b>	MIDLAND
<b>Contin Rel Permit:</b>		<b>Platform Rig Name:</b>	
<b>Contin Release Type:</b>		<b>Platform Letter:</b>	
<b>Aircraft ID:</b>		<b>Allision:</b>	N
<b>Aircraft Runway No:</b>		<b>Type of Structure:</b>	
<b>Aircraft Spot No:</b>		<b>Structure Name:</b>	
<b>Aircraft Type:</b>	UNKNOWN	<b>Structure Oper:</b>	U
<b>Aircraft Model:</b>		<b>Transit Bus Flag:</b>	
<b>Aircraft Fuel Cap:</b>		<b>Date Time Norm Serv:</b>	
<b>Aircraft Fuel Cap U:</b>		<b>Serv Disrupt Time:</b>	
<b>Aircraft Fuel on Brd:</b>		<b>Serv Disrupt Units:</b>	
<b>Aircraft Fuel OB U:</b>		<b>CR Begin Date:</b>	
<b>Aircraft Hanger:</b>		<b>CR End Date:</b>	
<b>Road Mile Marker:</b>		<b>CR Change Date:</b>	
<b>Power Gen Facility:</b>	U	<b>FBI Contact:</b>	
<b>Generating Capacity:</b>		<b>FBI Contact Dt Tm:</b>	
<b>Type of Fixed Obj:</b>	UNKNOWN	<b>Passenger Handling:</b>	
<b>Type of Fuel:</b>		<b>Passenger Route:</b>	XXX
<b>DOT Crossing No:</b>		<b>Passenger Delay:</b>	XXX
<b>DOT Regulated:</b>	U	<b>Sub Part C Test Req:</b>	XXX
<b>Pipeline Type:</b>		<b>Conductor Test:</b>	
<b>Pipeline Abv Ground:</b>	ABOVE	<b>Engineer Test:</b>	

Pipeline Covered: U  
Exposed Underwater: N  
Railroad Hotline: Yes  
Railroad Milepost: BR113.01  
Grade Crossing: N  
Crossing Device Ty:  
Ty Vehicle Involved:  
Device Operational: Y

Trainman Test:  
Yard Foreman Test:  
RCL Operator Test:  
Brakeman Test:  
Train Dispat Test:  
Signalman Test:  
Oth Employee Test:  
Unknown Test:

**Incident Details Information**

Release Secured: Y  
Release Rate:  
Release Rate Unit:  
Release Rate Rate:  
Est Duration of Rel:  
Desc Remedial Act: N/A  
Fire Involved: N  
Fire Extinguished: U  
Any Evacuations: N  
No Evacuated:  
Who Evacuated:  
Radius of Evac:  
Any Injuries: N  
No. Injured:  
No. Hospitalized:  
No. Fatalities: 1  
Any Fatalities: Y  
Any Damages: N  
Damage Amount:  
Air Corridor Closed: N  
Air Corridor Desc:  
Air Closure Time:  
Waterway Closed: N  
Waterway Desc:  
Waterway Close Time:  
Road Closed: N  
Road Desc:  
Road Closure Time:  
Road Closure Units:  
Closure Direction:  
Major Artery: No  
Track Closed: N  
Track Desc:  
Track Closure Time:  
Track Closure Units:  
Track Close Dir:  
Media Interest: NONE  
Medium Desc: RAIL REPORT (N/A)  
Addl Medium Info:

State Agen Report No:  
State Agen on Scene:  
State Agen Notified:  
Fed Agency Notified:  
Oth Agency Notified:  
Body of Water:  
Tributary of:  
Near River Mile Make:  
Near River Mile Mark:  
Offshore: N  
Weather Conditions:  
Air Temperature:  
Wind Direction:  
Wind Speed:  
Wind Speed Unit:  
Water Supp Contam: U  
Water Temperature:  
Wave Condition:  
Current Speed:  
Current Direction:  
Current Speed Unit: MPH  
EMPL Fatality:  
Pass Fatality:  
Community Impact: N  
Passengers Transfer: UNK  
Passenger Injuries:  
Employee Injuries:  
Occupant Fatality:  
Sheen Size:  
Sheen Size Units:  
Sheen Size Length:  
Sheen Size Length U:  
Sheen Size Width:  
Sheen Size Width U:  
Sheen Color:  
Dir of Sheen Travel:  
Sheen Odor Desc:  
Duration Unit:  
Additional Info: THE FATALITY WAS TO THE TRESPASSER DUE TO IMPACT WITH THE TRAIN.

**Site:** ROUTE 70 EAST COLUMBUS OH

HMIRS

**Incident County:** FRANKLIN

**HMIR Historical Reports**

Report No: I-1991080431  
Report Type: A hazardous material incident  
Date of Incident: 1991-05-13  
Time of Incident: 0730  
Haz Class Code:  
Hazardous Class: 3  
Commodity Short Nm: PYRIDINE  
Commodity Long Nm: PYRIDINE  
Trade Name: PYRIDINE > 5PPM

Fed DOT Agency Nm:  
Fed DOT Report No:  
Report Submit Src: Paper  
Inc Multiple Rows: No  
Inc Non US State:  
Mode Transport: Highway  
Transport Phase: In Transit  
Incident Occrrnce:  
Mat Ship Approval?: No

**ID No:** UN1282  
**Haz Waste Ind:** Yes  
**Haz Waste EPA No:**  
**HMIS Tox Inhalation?:** No  
**TIH Hazard Zone:**  
**Qty Released:** 0  
**Unit of Measure:**  
**What Failed:** 102; 141  
**What Failed Desc:** Auxiliary Valve; Piping or Fittings  
**How Failed Code:** ;  
**How Failed Desc:** ;  
**Failure Cause Code:** 508;  
**Failure Cause Desc:** Defective Component or Device;  
**Ident. Markings:**  
**Cont1 Pkging Type:**  
**Cont1 Const Mat:**  
**Cont1 Head Type:**  
**Cont1 Pkg Capacity:** 5000  
**C1 Capacity UOM:** LGA  
**Cont1 Pkg Amt:** 0  
**C1 Pkg Amt UOM:**  
**Cont1 Pkg No:** 1  
**C1 Pkg NO Failed:** 1  
**Cont1 Pkg Mnfr:** POLAR TANK TRAILER INC  
**Cont1 Pkg Mnfr Dt:** 0-00-00 00:00:00  
**Cont1 Pkg Serial NO:** 1PMS34227M  
**C1 Pkg Last Test Dt:** 1990-09-01 00:00:00  
**C1 Test Const Mat:**  
**C1 Pkg Dsign Pres.:** 0  
**C1 Dsign Press UOM:**  
**C1 Pkg Shell Thick:** 0  
**C1 Shell Thick UOM:**  
**C1 Head Thickness:** 0  
**C1 Head Thick UOM:**  
**C1 Pkg Srvc Pres.:** 0  
**C1 Srvc Press UOM:**  
**C1 Valve/Device Fail?:** No  
**C1 Device Type:**  
**C1 Device Mnfr:**  
**C1 Device Model:**  
**NRC No:**

**RAM Pkg Category:**  
**RAM Pkg Cert.:** FALSE  
**RAM Pkg Cert. NBR:**  
**RAM Nuclide S:**  
**RAM Transport Index:**  
**RAM UOM:**  
**RAM Activity Rpted:** 0  
**RAM UOM Rpted:**  
**RAM Activity:** 0  
**RAM Activity UOM:**  
**RAM Mat Safety:**  
**Spillage Result:** Yes  
**Fire Result:** No  
**Explosion Result:** No  
**Water Sewer Result:** No  
**Gas Dispersion:** No  
**Environment Damage:** No  
**No Release Result:** Yes  
**Fire EMS Report:** No  
**Fire EMS EMS Report:**  
**Police Report:** No  
**Police Report No:**  
**In House Cleanup:** No  
**Other Cleanup:** No  
**Damage > 500:** No  
**Material Loss:** 0  
**Carrier Damage:** 0  
**Property Damage:** 0  
**Response Cost:** 0

**Mat Ship Approv No:**  
**Undecl Hazmat Ship?:** No  
**Packaging Type:** Cargo Tank Motor Vehicle (CTMV)  
**Packing Group:**  
**Carrier Reporter:** CONOCO CHEMICALS INC  
**CR Street Name:** 600 N DAIRY ASHFORD  
**CR City:** HOUSTON  
**CR State:** TX  
**CR Postal Code:** 77079  
**CR Non US State:**  
**CR Fed DOT ID:** 336859  
**CR Hazmat Reg ID:**  
**CR Country:** US  
**Shipper Name:** DU PONT E I DE NEMOURS & CO  
**Shipper Street Name:** RT 23S & DUPONT ROAD  
**Shipper City:** CIRCLEVILLE  
**Shipper State:** OH  
**Shipper Postal:** 43113  
**Shipper Non US St:**  
**Shipper Country:** US  
**Shipper Waybill:** NJA1034408  
**Ship Hazmat Reg ID:**  
**Origin City:**  
**Origin State:**  
**Origin Postal:**  
**Origin Non US St:**  
**Origin Country:** US  
**Destination City:** DEEPWATER  
**Destination State:** NEW JERSEY  
**Destination Postal:** 08023  
**Destination Non US:**  
**Destination Country:** US  
**Cont2 Package Type:**  
**Cont2 Const Mat:**  
**Cont2 Pkg Capacity:** 0  
**Cont2 Capacity UOM:**  
**Cont2 Pkg Amount:** 0  
**Cont2 Pkg Amt UOM:**  
**Cont2 Pkg No:** 0  
**Cont2 Pkg No Failed:** 0

**Haz NonHosp Public:** 0  
**Haz NonHosp Old:**  
**Tot Haz Non Hosp Inj:**  
**Total Hazmat Injuries:** 0  
**Evacuation Indicator:** No  
**Public Evacuated:** 0  
**Employees Evac:** 0  
**Total Evacuated:** 0  
**Total Evacuation Hrs:** 0  
**Major Artery Closed:** No  
**Mjr Artery Hrs Closed:** 0  
**Material Involved:** No  
**Estimated Speed:** 0  
**Weather Conditions:**  
**Vehicle Overturn:** No  
**Vehicle Left Roadway:** No  
**Passenger Aircraft:** No  
**Cargo Baggage:**  
**Ship Non Transport:** No  
**Ship Air First Flight:** No  
**Ship Air Subflight:** No  
**Ship Init Transport:** No  
**Ship Phase Transfer:** No  
**Contact Name:** STEVE WESTERN  
**Contact Title:** DISTRICT SUPERINTENDENT  
**Contact Business:**  
**Contact Street:**  
**Contact City:**  
**Contact State:**

**Remediation Cost:** 0  
**Damage Old Form:** 0  
**Total Damages Amt:** 0  
**Hazmat Fatality:** No  
**Haz Fatal Employees:** 0  
**Haz Fatal Respndrs:** 0  
**Haz Fatal Gen Public:** 0  
**Tot Hazmat Fatalities:** 0  
**Non Hazmat Fatality:** No  
**Non Hazmat Fatals:** 0  
**Hazmat Injury:** No  
**Haz Hospital Empl:** 0  
**Haz Hospital Resp:** 0  
**Haz Hosp Gen Public:** 0  
**Haz Hosp Old Form:** 0  
**Total Haz Hosp Inj:** 0  
**Haz Non Hosp Empl:** 0  
**Haz Non Hosp Resp:** 0  
**Description of Events:**  
**Recommend Actions Taken:**

**Contact Postal:**  
**Contact Non US St:**  
**Contact Country:** US  
**Inc. Report Prepared:**  
**HMIS Serious Incidnt:** No  
**HMIS Serious Fatality:** No  
**HMIS Serious Injury:** No  
**HMIS Flight Plan:** No  
**HMIS Serious Evacs:** No  
**HMIS Major Artery:** No  
**HMIS Bulk Release:** No  
**HMIS Marine Pollutnt:** No  
**HMIS Radioactive:** No  
**HMIS Gen Pkg Type:** TANK  
**HMIS Container Code:** MC307  
**HMIS Container Desc:** Cargo tanks  
**HMIS Bulk Incident:** Yes  
**Undeclared Shipment:** No  
 HIGHWAY INSPECTION REVEALED SMALL DRIP FROM DISCHARGE VALVE.

**Site:** MOUND STREET COLUMBUS OH HMIRS

**Incident County:** FRANKLIN

**HMIR Historical Reports**

**Report No:** I-1991030176  
**Report Type:** A hazardous material incident  
**Date of Incident:** 1991-02-26  
**Time of Incident:** 0400  
**Haz Class Code:**  
**Hazardous Class:** 5.2  
**Commodity Short Nm:** METHYL ISOBUTYL KETONE P  
**Commodity Long Nm:** METHYL ISOBUTYL KETONE PEROXIDE, IN SOLUTION WITH NOT MORE THAN 9% BY WEIGHT ACTIVE OXYGEN  
**Trade Name:**  
**ID No:** UN2126  
**Haz Waste Ind:** No  
**Haz Waste EPA No:**  
**HMIS Tox Inhalation?:** No  
**TIH Hazard Zone:**  
**Qty Released:** 30  
**Unit of Measure:** Liquid - Gallon  
**What Failed:**  
**What Failed Desc:**  
**How Failed Code:**  
**How Failed Desc:**  
**Failure Cause Code:** 508  
**Failure Cause Desc:** Defective Component or Device  
**Ident. Markings:**  
**Cont1 Pkging Type:**  
**Cont1 Const Mat:**  
**Cont1 Head Type:**  
**Cont1 Pkg Capacity:** 7000  
**C1 Capacity UOM:** LGA  
**Cont1 Pkg Amt:** 0  
**C1 Pkg Amt UOM:**  
**Cont1 Pkg No:** 1  
**C1 Pkg NO Failed:** 1  
**Cont1 Pkg Mnfctr:** FRUEHAUF CORP  
**Cont1 Pkg Mnft Dt:** 0-00-00 00:00:00  
**Cont1 Pkg Serial NO:** IH4T04427H  
**C1 Pkg Last Test Dt:** 0-00-00 00:00:00  
**C1 Test Const Mat:**  
**C1 Pkg Dsign Pres.:** 0  
**C1 Dsign Press UOM:**

**Fed DOT Agency Nm:**  
**Fed DOT Report No:**  
**Report Submit Src:** Paper  
**Inc Multiple Rows:** No  
**Inc Non US State:**  
**Mode Transport:** Highway  
**Transport Phase:** Unloading  
**Incident Occrrnce:**  
**Mat Ship Approval?:** No  
**Mat Ship Approv No:**  
**Undecl Hazmat Ship?:** No  
**Packaging Type:** Portable Tank  
**Packing Group:**  
**Carrier Reporter:** TRANSPORT SERVICE CO  
**CR Street Name:** 5100 WEST 41ST STREET  
**CR City:** CHICAGO  
**CR State:** IL  
**CR Postal Code:** 60650  
**CR Non US State:**  
**CR Fed DOT ID:** 76483  
**CR Hazmat Reg ID:**  
**CR Country:** US  
**Shipper Name:** EXXON CHEMICAL CO  
**Shipper Street Name:**  
**Shipper City:** HOUSTON  
**Shipper State:** TX  
**Shipper Postal:**  
**Shipper Non US St:**  
**Shipper Country:** US  
**Shipper Waybill:** G0034  
**Ship Hazmat Reg ID:**  
**Origin City:** CHANNAHON  
**Origin State:** IL  
**Origin Postal:**  
**Origin Non US St:**  
**Origin Country:** US  
**Destination City:** COLUMBUS  
**Destination State:** OHIO  
**Destination Postal:**

**C1 Pkg Shell Thick:** 0  
**C1 Shell Thick UOM:**  
**C1 Head Thickness:** 0  
**C1 Head Thick UOM:**  
**C1 Pkg Srvc Pres.:** 0  
**C1 Srvc Press UOM:**  
**C1 Valve/Device Fail?:** No  
**C1 Device Type:**  
**C1 Device Mnfrtr:**  
**C1 Device Model:**  
**NRC No:**

**Destination Non US:**  
**Destination Country:** US  
**Cont2 Package Type:**  
**Cont2 Const Mat:**  
**Cont2 Pkg Capacity:** 0  
**Cont2 Capacity UOM:**  
**Cont2 Pkg Amount:** 0  
**Cont2 Pkg Amt UOM:**  
**Cont2 Pkg No:** 0  
**Cont2 Pkg No Failed:** 0

**RAM Pkg Category:**  
**RAM Pkg Cert.:** FALSE  
**RAM Pkg Cert. NBR:**  
**RAM Nuclide S:**  
**RAM Transport Index:**  
**RAM UOM:**  
**RAM Activity Rpted:** 0  
**RAM UOM Rpted:**  
**RAM Activity:** 0  
**RAM Activity UOM:**  
**RAM Mat Safety:**  
**Spillage Result:** Yes  
**Fire Result:** No  
**Explosion Result:** No  
**Water Sewer Result:** No  
**Gas Dispersion:** No  
**Environment Damage:** No  
**No Release Result:** No  
**Fire EMS Report:** No  
**Fire EMS EMS Report:**  
**Police Report:** No  
**Police Report No:**  
**In House Cleanup:** No  
**Other Cleanup:** No  
**Damage > 500:** Yes  
**Material Loss:** 100  
**Carrier Damage:** 0  
**Property Damage:** 0  
**Response Cost:** 0  
**Remediation Cost:** 4000  
**Damage Old Form:** 0  
**Total Damages Amt:** 4100  
**Hazmat Fatality:** No  
**Haz Fatal Employees:** 0  
**Haz Fatal Respntrs:** 0  
**Haz Fatal Gen Public:** 0  
**Tot Hazmat Fatalities:** 0  
**Non Hazmat Fatality:** No  
**Non Hazmat Fatals:** 0  
**Hazmat Injury:** No  
**Haz Hospital Empl:** 0  
**Haz Hospital Resp:** 0  
**Haz Hosp Gen Public:** 0  
**Haz Hosp Old Form:** 0  
**Total Haz Hosp Inj:** 0  
**Haz Non Hosp Empl:** 0  
**Haz Non Hosp Resp:** 0  
**Description of Events:** during unloading process pump malfunctioned causing leakage of product.  
**Recommend Actions Taken:**

**Haz NonHosp Public:** 0  
**Haz NonHosp Old:**  
**Tot Haz Non Hosp Inj:**  
**Total Hazmat Injuries:** 0  
**Evacuation Indicator:** No  
**Public Evacuated:** 0  
**Employees Evac:** 0  
**Total Evacuated:** 0  
**Total Evacuation Hrs:** 0  
**Major Artery Closed:** No  
**Mjr Artery Hrs Closed:** 0  
**Material Involved:** No  
**Estimated Speed:** 0  
**Weather Conditions:**  
**Vehicle Overturn:** No  
**Vehicle Left Roadway:** No  
**Passenger Aircraft:** No  
**Cargo Baggage:**  
**Ship Non Transport:** No  
**Ship Air First Flight:** No  
**Ship Air Subflight:** No  
**Ship Init Transport:** No  
**Ship Phase Transfer:** No  
**Contact Name:** RUSSELL W FELLORES  
**Contact Title:** MANAGER OF SAFETY  
**Contact Business:**  
**Contact Street:**  
**Contact City:**  
**Contact State:**  
**Contact Postal:**  
**Contact Non US St:**  
**Contact Country:** US  
**Inc. Report Prepared:**  
**HMIS Serious Incidnt:** No  
**HMIS Serious Fatality:** No  
**HMIS Serious Injury:** No  
**HMIS Flight Plan:** No  
**HMIS Serious Evacs:** No  
**HMIS Major Artery:** No  
**HMIS Bulk Release:** No  
**HMIS Marine Pollutnt:** No  
**HMIS Radioactive:** No  
**HMIS Gen Pkg Type:** TANK  
**HMIS Container Code:** TANK TRK  
**HMIS Container Desc:** Tank truck, tank mounted on truck chassis  
**HMIS Bulk Incident:** Yes  
**Undeclared Shipment:** No

**Site:** I70 WB JUST E OF MOUND ST COLUMBUS OH

SPILLS

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 2867  
**Reported On:** 7/10/1998 00:00:00  
**Spill Year:** 1998

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twm (Prod):**  
**OEPA Dist (Prod):**

Spill Month: 7  
Spill Month No:  
Spill DOM:  
Spill DOY:  
Spiller Report:  
Phone Followup: NO  
District: CD  
County: 25  
Latitude:  
Longitude:  
City Twn (EPA):  
OEPA Dist (EPA):  
County (EPA):  
Latitude (EPA):  
Longitude (EPA):  
OEPA Dist (Ohio):  
County No (Ohio):  
IIR Name:  
Affiliation:  
Location: 170 WB JUST E OF MOUND ST  
City Twp: COLUMBUS  
Zip Code:  
Spill Location (Ohio):  
City Twn (Ohio):  
Zip Code (Ohio):  
Spill Location (Hist):  
City Twn (Hist):  
Location (Rel):  
City Twn (Rel):  
City Twn (Rel 2):  
Data Source:

County No (Prod):  
County (Prod):  
Latitude (Prod):  
Longitude (Prod):  
OEPA Dist (Hist):  
County (Hist):  
Latitude (Hist):  
Longitude (Hist):  
OEPA Dist (Rel 2):  
County (Rel 2):  
Latitude (Rel 2):  
Longitude (Rel 2):  
OEPA Dist (Rel):  
County (Rel):  
Latitude (Rel):  
Longitude (Rel):

**Historical Release Details**

Product Name: DIESEL FUEL  
Media Affected:  
Actual Amount:  
Unit of Measure:  
Entity: RYDER TRUCKS  
Reported By: GARY WASHINGTON  
Spill Month: 7  
Spill Year: 1998

**Site:**

AT SOUTH EDGE OF VACANT LOT SOUTH OF E FULTON DEAD END COLUMBUS OH

SPILLS

Case No/Spill ID:  
Spill No:  
4 Digit No: 4461  
Reported On: 11/3/1998 00:00:00  
Spill Year: 1998  
Spill Month: 11  
Spill Month No:  
Spill DOM:  
Spill DOY:  
Spiller Report:  
Phone Followup: NO  
District: CD  
County: 25  
Latitude:  
Longitude:  
City Twn (EPA):  
OEPA Dist (EPA):  
County (EPA):  
Latitude (EPA):  
Longitude (EPA):  
OEPA Dist (Ohio):  
County No (Ohio):  
IIR Name:  
County (Ohio):  
Latitude (Ohio):  
Longitude (Ohio):  
City Twn (Prod):  
OEPA Dist (Prod):  
County No (Prod):  
County (Prod):  
Latitude (Prod):  
Longitude (Prod):  
OEPA Dist (Hist):  
County (Hist):  
Latitude (Hist):  
Longitude (Hist):  
OEPA Dist (Rel 2):  
County (Rel 2):  
Latitude (Rel 2):  
Longitude (Rel 2):  
OEPA Dist (Rel):  
County (Rel):  
Latitude (Rel):  
Longitude (Rel):

**Affiliation:**  
**Location:** AT SOUTH EDGE OF VACANT LOT SOUTH OF E FULTON DEAD END  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**Historical Release Details**

**Product Name:** FUEL OIL  
**Media Affected:**  
**Actual Amount:**  
**Unit of Measure:**  
**Entity:** UNK  
**Reported By:** MIKE DALTON  
**Spill Month:** 11  
**Spill Year:** 1998

**Site:**

**170 EB AT MOUND ST COLUMBUS OH**

**SPILLS**

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	3716	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	10/17/1999 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1999	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	10	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	YES	<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>	395652.9	<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>	830152.2	<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	170 EB AT MOUND ST		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

**Product Name:** DIESEL FUEL

**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** TRISM INC  
**Reported By:** ANTHONY DIXON  
**Spill Month:** 10  
**Spill Year:** 1999

**Site:** MOUND ST BRIDGE @ SCIOTO RIVER COLUMBUS OH

SPILLS

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	3610	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	9/24/2001 08:56:25	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	2001	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	9	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	NO	<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>		<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	MOUND ST BRIDGE @ SCIOTO RIVER		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

**Product Name:** SHEEN  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** THE TIMKEN CO  
**Reported By:** FRANK SYLVESTER  
**Spill Month:** 9  
**Spill Year:** 2001

**Site:** I70 WB @ CHAMPION COLUMBUS OH

SPILLS

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	4541	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	10/24/1991 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1991	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	10	<b>County No (Prod):</b>	

**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** 170 WB @ CHAMPION  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Actual Amount:**  
**Unit of Measure:**  
**Entity:** BESTWAY SYSTEMS  
**Reported By:** FD  
**Spill Month:** 10  
**Spill Year:** 1991

**Site:** I-70 EASTBOUND @ THE 120 MILEPOST COLUMBUS OH

SPILLS

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 621  
**Reported On:** 3/5/2011 00:00:00  
**Spill Year:** 2011  
**Spill Month:** 3  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** YES  
**District:** CD  
**County:** 25  
**Latitude:** 3957072  
**Longitude:** 8256447  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Location:** I-70 EASTBOUND @ THE 120 MILEPOST  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Actual Amount:**  
**Unit of Measure:**  
**Entity:** CORDELL TRANSPORTATION  
**Reported By:** THORNTON  
**Spill Month:** 3  
**Spill Year:** 2011

**Site:** I-70 EB @ 315 COLUMBUS OH

SPILLS

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	999	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	4/20/2010 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	2010	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	4	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>	YES	<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	YES	<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>	3957063	<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>	8300460	<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	I-70 EB @ 315		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**

**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** PREDATOR TRUCKING COMPANY  
**Reported By:** PAT GUAY  
**Spill Month:** 4  
**Spill Year:** 2010

**Site:** I-70 EB @ MILLER KELTON EXIT COLUMBUS OH

SPILLS

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	3943	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	9/13/1991 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1991	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	9	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	
<b>Spill DOM:</b>		<b>Latitude (Prod):</b>	
<b>Spill DOY:</b>		<b>Longitude (Prod):</b>	
<b>Spiller Report:</b>		<b>OEPA Dist (Hist):</b>	
<b>Phone Followup:</b>	NO	<b>County (Hist):</b>	
<b>District:</b>	CD	<b>Latitude (Hist):</b>	
<b>County:</b>	25	<b>Longitude (Hist):</b>	
<b>Latitude:</b>		<b>OEPA Dist (Rel 2):</b>	
<b>Longitude:</b>		<b>County (Rel 2):</b>	
<b>City Twn (EPA):</b>		<b>Latitude (Rel 2):</b>	
<b>OEPA Dist (EPA):</b>		<b>Longitude (Rel 2):</b>	
<b>County (EPA):</b>		<b>OEPA Dist (Rel):</b>	
<b>Latitude (EPA):</b>		<b>County (Rel):</b>	
<b>Longitude (EPA):</b>		<b>Latitude (Rel):</b>	
<b>OEPA Dist (Ohio):</b>		<b>Longitude (Rel):</b>	
<b>County No (Ohio):</b>			
<b>IIR Name:</b>			
<b>Affiliation:</b>			
<b>Location:</b>	I-70 EB @ MILLER KELTON EXIT		
<b>City Twp:</b>	COLUMBUS		
<b>Zip Code:</b>			
<b>Spill Location (Ohio):</b>			
<b>City Twn (Ohio):</b>			
<b>Zip Code (Ohio):</b>			
<b>Spill Location (Hist):</b>			
<b>City Twn (Hist):</b>			
<b>Location (Rel):</b>			
<b>City Twn (Rel):</b>			
<b>City Twn (Rel 2):</b>			
<b>Data Source:</b>			

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** CONSOLIDATED FREIGHTWAYS  
**Reported By:** COMPANY  
**Spill Month:** 9  
**Spill Year:** 1991

**Site:** I70 WEST @ MM 95 COL OH

SPILLS

<b>Case No/Spill ID:</b>		<b>County (Ohio):</b>	
<b>Spill No:</b>		<b>Latitude (Ohio):</b>	
<b>4 Digit No:</b>	2543	<b>Longitude (Ohio):</b>	
<b>Reported On:</b>	5/23/1990 00:00:00	<b>City Twn (Prod):</b>	
<b>Spill Year:</b>	1990	<b>OEPA Dist (Prod):</b>	
<b>Spill Month:</b>	5	<b>County No (Prod):</b>	
<b>Spill Month No:</b>		<b>County (Prod):</b>	

**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** I70 WEST @ MM 95  
**City Twp:** COL  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** UNK  
**Reported By:** FD  
**Spill Month:** 5  
**Spill Year:** 1990

**Site:** I70 @ 270 WEST SIDE COLUMBUS OH

SPILLS

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 3838  
**Reported On:** 10/29/1999 00:00:00  
**Spill Year:** 1999  
**Spill Month:** 10  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** I70 @ 270 WEST SIDE

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

City Twp: COLUMBUS  
Zip Code:  
Spill Location (Ohio):  
City Twn (Ohio):  
Zip Code (Ohio):  
Spill Location (Hist):  
City Twn (Hist):  
Location (Rel):  
City Twn (Rel):  
City Twn (Rel 2):  
Data Source:

**Historical Release Details**

Product Name: DIESEL FUEL  
Media Affected:  
Acutal Amount:  
Unit of Measure:  
Entity: T A TRUCK STOP  
Reported By: KATY RENDER  
Spill Month: 10  
Spill Year: 1999

**Site:**  
I-70 WB @ EXIT 96 COLUMBUS OH

SPILLS

Case No/Spill ID:		County (Ohio):
Spill No:		Latitude (Ohio):
4 Digit No:	1885	Longitude (Ohio):
Reported On:	5/23/2000 00:00:00	City Twn (Prod):
Spill Year:	2000	OEPA Dist (Prod):
Spill Month:	5	County No (Prod):
Spill Month No:		County (Prod):
Spill DOM:		Latitude (Prod):
Spill DOY:		Longitude (Prod):
Spiller Report:		OEPA Dist (Hist):
Phone Followup:	YES	County (Hist):
District:	CD	Latitude (Hist):
County:	25	Longitude (Hist):
Latitude:		OEPA Dist (Rel 2):
Longitude:		County (Rel 2):
City Twn (EPA):		Latitude (Rel 2):
OEPA Dist (EPA):		Longitude (Rel 2):
County (EPA):		OEPA Dist (Rel):
Latitude (EPA):		County (Rel):
Longitude (EPA):		Latitude (Rel):
OEPA Dist (Ohio):		Longitude (Rel):
County No (Ohio):		
IIR Name:		
Affiliation:		
Location:	I-70 WB @ EXIT 96	
City Twp:	COLUMBUS	
Zip Code:		
Spill Location (Ohio):		
City Twn (Ohio):		
Zip Code (Ohio):		
Spill Location (Hist):		
City Twn (Hist):		
Location (Rel):		
City Twn (Rel):		
City Twn (Rel 2):		
Data Source:		

**Historical Release Details**

Product Name: DIESEL FUEL  
Media Affected:  
Acutal Amount:

**Unit of Measure:**  
**Entity:** STEVENS TRANSPORT  
**Reported By:** KARL KESSLER  
**Spill Month:** 5  
**Spill Year:** 2000

**Site:**  
**170 EB @ HIGH & THIRD COLUMBUS OH**

SPILLS

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 776  
**Reported On:** 3/4/1993 00:00:00  
**Spill Year:** 1993  
**Spill Month:** 3  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:**  
**Longitude:**  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** 170 EB @ HIGH & THIRD  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** MR BOBBY BETHA  
**Reported By:** PD  
**Spill Month:** 3  
**Spill Year:** 1993

**Site:**  
**I-70 WESTBOUND - EAST OF MOUND ST. COLUMBUS OH**

SPILLS

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 1002  
**Reported On:** 4/4/2009 00:00:00  
**Spill Year:** 2009  
**Spill Month:** 4  
**Spill Month No:**  
**Spill DOM:**

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**

**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** NO  
**District:** CD  
**County:** 25  
**Latitude:** 3956547  
**Longitude:** 8301464  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** I-70 WESTBOUND - EAST OF MOUND ST.  
**City Twp:** COLUMBUS  
**Zip Code:**  
**Spill Location (Ohio):**  
**City Twn (Ohio):**  
**Zip Code (Ohio):**  
**Spill Location (Hist):**  
**City Twn (Hist):**  
**Location (Rel):**  
**City Twn (Rel):**  
**City Twn (Rel 2):**  
**Data Source:**

**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

**Historical Release Details**

**Product Name:** DIESEL FUEL  
**Media Affected:**  
**Acutal Amount:**  
**Unit of Measure:**  
**Entity:** FEDEX SUPPLY CHAIN SERVICES INC PF  
**Reported By:** DON JAMES  
**Spill Month:** 4  
**Spill Year:** 2009

**Site:**

**270 @ I-70 WB RAMP ON E SIDE OF COLUMBUS COLUMBUS OH**

**SPILLS**

**Case No/Spill ID:**  
**Spill No:**  
**4 Digit No:** 2002  
**Reported On:** 6/1/2000 08:22:20  
**Spill Year:** 2000  
**Spill Month:** 5  
**Spill Month No:**  
**Spill DOM:**  
**Spill DOY:**  
**Spiller Report:**  
**Phone Followup:** YES  
**District:** CD  
**County:** 25  
**Latitude:** 3993490  
**Longitude:** 8285370  
**City Twn (EPA):**  
**OEPA Dist (EPA):**  
**County (EPA):**  
**Latitude (EPA):**  
**Longitude (EPA):**  
**OEPA Dist (Ohio):**  
**County No (Ohio):**  
**IIR Name:**  
**Affiliation:**  
**Location:** 270 @ I-70 WB RAMP ON E SIDE OF COLUMBUS  
**City Twp:** COLUMBUS

**County (Ohio):**  
**Latitude (Ohio):**  
**Longitude (Ohio):**  
**City Twn (Prod):**  
**OEPA Dist (Prod):**  
**County No (Prod):**  
**County (Prod):**  
**Latitude (Prod):**  
**Longitude (Prod):**  
**OEPA Dist (Hist):**  
**County (Hist):**  
**Latitude (Hist):**  
**Longitude (Hist):**  
**OEPA Dist (Rel 2):**  
**County (Rel 2):**  
**Latitude (Rel 2):**  
**Longitude (Rel 2):**  
**OEPA Dist (Rel):**  
**County (Rel):**  
**Latitude (Rel):**  
**Longitude (Rel):**

Zip Code:  
Spill Location (Ohio):  
City Twn (Ohio):  
Zip Code (Ohio):  
Spill Location (Hist):  
City Twn (Hist):  
Location (Rel):  
City Twn (Rel):  
City Twn (Rel 2):  
Data Source:

**Historical Release Details**

Product Name: HYDRAULIC OIL  
Media Affected:  
Acutal Amount:  
Unit of Measure:  
Entity: KOKOSING CONSTRUCTION  
Reported By: JOE SELLERS  
Spill Month: 5  
Spill Year: 2000

**Site:**

170 WB @ I670 INTERCHANGE ON NORTH BERM COLUMBUS OH

SPILLS

Case No/Spill ID:		County (Ohio):	
Spill No:		Latitude (Ohio):	
4 Digit No:	5022	Longitude (Ohio):	
Reported On:	12/9/1996 00:00:00	City Twn (Prod):	
Spill Year:	1996	OEPA Dist (Prod):	
Spill Month:	12	County No (Prod):	
Spill Month No:		County (Prod):	
Spill DOM:		Latitude (Prod):	
Spill DOY:		Longitude (Prod):	
Spiller Report:		OEPA Dist (Hist):	
Phone Followup:	NO	County (Hist):	
District:	CD	Latitude (Hist):	
County:	25	Longitude (Hist):	
Latitude:	395813.8	OEPA Dist (Rel 2):	
Longitude:	830416.4	County (Rel 2):	
City Twn (EPA):		Latitude (Rel 2):	
OEPA Dist (EPA):		Longitude (Rel 2):	
County (EPA):		OEPA Dist (Rel):	
Latitude (EPA):		County (Rel):	
Longitude (EPA):		Latitude (Rel):	
OEPA Dist (Ohio):		Longitude (Rel):	
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:	170 WB @ I670 INTERCHANGE ON NORTH BERM		
City Twp:	COLUMBUS		
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):			
City Twn (Hist):			
Location (Rel):			
City Twn (Rel):			
City Twn (Rel 2):			
Data Source:			

**Historical Release Details**

Product Name: DIESEL FUEL  
Media Affected:  
Acutal Amount:  
Unit of Measure:

Entity: MMS TRUCKING  
Reported By: AO17  
Spill Month: 12  
Spill Year: 1996

Site:  
170 WB @ WILSON COLUMBUS OH

SPILLS

Case No/Spill ID:		County (Ohio):
Spill No:		Latitude (Ohio):
4 Digit No:	4042	Longitude (Ohio):
Reported On:	11/15/1999 00:00:00	City Twn (Prod):
Spill Year:	1999	OEPA Dist (Prod):
Spill Month:	11	County No (Prod):
Spill Month No:		County (Prod):
Spill DOM:		Latitude (Prod):
Spill DOY:		Longitude (Prod):
Spiller Report:		OEPA Dist (Hist):
Phone Followup:	NO	County (Hist):
District:	CD	Latitude (Hist):
County:	25	Longitude (Hist):
Latitude:		OEPA Dist (Rel 2):
Longitude:		County (Rel 2):
City Twn (EPA):		Latitude (Rel 2):
OEPA Dist (EPA):		Longitude (Rel 2):
County (EPA):		OEPA Dist (Rel):
Latitude (EPA):		County (Rel):
Longitude (EPA):		Latitude (Rel):
OEPA Dist (Ohio):		Longitude (Rel):
County No (Ohio):		
IIR Name:		
Affiliation:		
Location:	170 WB @ WILSON	
City Twp:	COLUMBUS	
Zip Code:		
Spill Location (Ohio):		
City Twn (Ohio):		
Zip Code (Ohio):		
Spill Location (Hist):		
City Twn (Hist):		
Location (Rel):		
City Twn (Rel):		
City Twn (Rel 2):		
Data Source:		

Historical Release Details

Product Name: DIESEL FUEL  
Media Affected:  
Acutal Amount:  
Unit of Measure:  
Entity: GULLY TRANSP  
Reported By: HEAD  
Spill Month: 11  
Spill Year: 1999

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## Standard Environmental Record Sources

### Federal

#### National Priority List:

NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

#### National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

#### Deleted NPL:

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Apr 22, 2024**

#### SEMS List 8R Active Site Inventory:

SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

**Government Publication Date: May 22, 2024**

**Inventory of Open Dumps, June 1985:**

[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**SEMS List 8R Archive Sites:**

[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: May 22, 2024**

**EPA Report on the Status of Open Dumps on Indian Lands:**

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

[CERCLIS](#)

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**CERCLIS - No Further Remedial Action Planned:**

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

[RCRA CORRACTS](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Apr 8, 2024**

**RCRA non-CORRACTS TSD Facilities:**

[RCRA TSD](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

**Government Publication Date: Apr 8, 2024**

**RCRA Generator List:**[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Apr 8, 2024**

**RCRA Small Quantity Generators List:**[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Apr 8, 2024**

**RCRA Very Small Quantity Generators List:**[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Apr 8, 2024**

**RCRA Non-Generators:**[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Apr 8, 2024**

**RCRA Sites with Controls:**[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Apr 8, 2024**

**Federal Engineering Controls-ECs:**[FED ENG](#)

List of Engineering controls (ECs) made available by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 26, 2024**

**Federal Institutional Controls- ICs:**[FED INST](#)

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Jun 26, 2024**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date: Sep 1, 2006**

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date: Apr 22, 2024**

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1982-1986**

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1987-1989**

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date: Apr 28, 2024**

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date: Feb 7, 2024**

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date: Dec 31, 2017**

**Facility Response Plan:**

FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

**Government Publication Date: Jan 9, 2024**

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Jan 9, 2024**

**Historical Gas Stations:**

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date:** Jul 1, 1930

**Petroleum Refineries:**

[REFN](#)

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

**Government Publication Date:** Jun 6, 2024

**Petroleum Product and Crude Oil Rail Terminals:**

[BULK TERMINAL](#)

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

**Government Publication Date:** Jun 6, 2024

**LIEN on Property:**

[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date:** May 22, 2024

**Superfund Decision Documents:**

[SUPERFUND ROD](#)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date:** Mar 27, 2024

**Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date:** Mar 4, 2017

**State**

**Division of Environmental Response & Revitalization Database:**

[DERR](#)

The Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR) database is an index of sites maintained by their district offices. The database contains basic site information only and is NOT a record of contaminated sites in Ohio. Not all sites are contaminated, and a site's absence does not imply that it is uncontaminated. The database is also not a list of Brownfield sites; some sites do not meet the federal or state definitions of Brownfields and many properties in Ohio that may qualify as Brownfields are not included.

**Government Publication Date:** Jun 21, 2024

**Delisted Division of Environmental Response & Revitalization:**

[DELISTED DERR](#)

List of sites which were once included but have since been removed from the Ohio Environmental Protection Agency (Ohio EPA) Division of Environmental Response & Revitalization (DERR) database; an index of sites for which district offices maintain files. DERR is NOT a record of contaminated sites or sites suspected of contamination; not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

**Government Publication Date:** Jun 21, 2024

**Ohio Licensed Solid Waste Facilities, Landfills and other Waste Facilities:**

SWF/LF

List of landfill and solid waste facilities of various types as maintained by the Division of Materials and Waste Management of the Ohio Environmental Protection Agency (Ohio EPA), including: municipal solid waste facilities, municipal solid waste transfer stations, construction and demolition landfills, compost class 1,2,3 and 4 facilities, industrial and residual waste landfills, and scrap tire disposal and recycling facilities. Includes active and inactive facilities.

**Government Publication Date: Jun 22, 2022**

**Ohio Old Solid Waste Landfill (OLDSWLF):**

HIST LF

A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970's, including old Division of Solid and Hazardous Waste Management and DERR files, the Eckhardt Report and the 1976 Groundwater Pollution Inventory-Summary of Land Disposal.

**Government Publication Date: Historic**

**Ohio Leaking Underground Storage Tanks (LUST):**

LUST

List of facilities with active and inactive environmental files, and active and inactive tank facilities with releases, made available by the Ohio Department of Commerce, Division of the State Fire Marshall under the Bureau of Underground Storage Tank Regulations (BUSTR). BUSTR's mission is to effectively regulate the safe operation of underground storage tanks and to ensure appropriate investigation and cleanup of releases from underground storage tanks for the purpose of protecting human health and the environment for the citizens of Ohio.

**Government Publication Date: Jun 3, 2024**

**Delisted Petroleum Release List:**

DELISTED LST

List of petroleum release incidents sites that have been removed from either: the list of facilities with active release from regulated tanks, or the Non-Regulated Leaking Underground Storage Tanks (LUST) list, both made available by the Bureau of Underground Storage Tank Regulations in the Ohio Department of Commerce.

**Government Publication Date: Jun 3, 2024**

**Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST):**

LST

List of sites where there has been a suspected or confirmed release of petroleum from a regulated or non-regulated underground storage tank (UST). This list has been made available by the Bureau of Underground Storage Tank Regulations in the Ohio Department of Commerce.

**Government Publication Date: Jun 3, 2024**

**Ohio Registered Underground Storage Tanks (UST):**

UST

List of Active and Inactive Registered Underground Storage Tanks regulated by the Ohio Department of Commerce, Division of the State Fire Marshall under the Bureau of Underground Storage Tank Regulations (BUSTR). BUSTR's mission is to effectively regulate the safe operation of underground storage tanks and to ensure appropriate investigation and cleanup of releases from underground storage tanks for the purpose of protecting human health and the environment for the citizens of Ohio.

**Government Publication Date: Jun 3, 2024**

**Aboveground and Unregulated Tanks:**

TANKS

A list of tanks in Ohio known to the Division of the State Fire Marshal - Code Enforcement Bureau.

Note: Aboveground Storage Tanks in Ohio are regulated by local fire departments. This list of tanks known to the State Fire Marshall should not be considered a comprehensive list of aboveground or unregulated tanks in Ohio.

**Government Publication Date: Aug 22, 2022**

**Aboveground and Unregulated Tanks (since 2022):**

TANKS 2

A list of tanks in Ohio known to the Ohio Division of the State Fire Marshal - Code Enforcement Bureau. Note this listing only includes data posted after July 2022.

Note: Aboveground Storage Tanks in Ohio are regulated by local fire departments. This list of tanks known to the State Fire Marshall should not be considered a comprehensive list of aboveground or unregulated tanks in Ohio.

**Government Publication Date: Aug 7, 2024**

**Delisted Storage Tanks:**

DTNK

A list of sites which once appeared on and have since been removed from either: the list of active or inactive tank sites made available by the State Fire Marshall Bureau of Underground Storage Tanks (BUSTR); or the Ohio Tank Tracking and Environmental Regulations search (BUSTR Public Inquiry page).

**Government Publication Date: Aug 7, 2024**

**Engineering Controls:**

ENG

This list of sites with implemented engineering controls is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The site listing is sourced from the DERR List of Projects with Engineering Controls which includes applicable projects under the Voluntary Action Program (VAP) and the Remedial Response Program (RR). This data also includes sites from the applicable DERR map layer from the Ohio Department of Transportation's (ODOT) Transportation Information Mapping System (TIMS).

**Government Publication Date: Jun 21, 2024**

**Institutional Controls:**

INST

This list of sites with institutional controls in place is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The site listing is sourced from the DERR List of Projects with Institutional Controls which includes applicable projects under the Voluntary Action Program (VAP) and the Remedial Response Program (RR). This data also includes sites from the applicable DERR map layer from the Ohio Department of Transportation's (ODOT) Transportation Information Mapping System (TIMS).

**Government Publication Date: Jun 21, 2024**

**Voluntary Action Program Sites:**

VCP

This list of Voluntary Action Program sites is provided by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The VAP Program gives individuals a way to investigate possible environmental contamination, clean it up if necessary and receive a promise from the State of Ohio that no more cleanup is needed. When cleanup requirements are met, the director of Ohio EPA issues a covenant not to sue. This covenant protects the property owner or operator and future owners from being legally responsible to the State of Ohio for further investigation and cleanup. This protection applies only when the property is used and maintained in the same manner as when the covenant was issued.

**Government Publication Date: Jun 21, 2024**

**Covenants Not to Sue Sites:**

VAP CNS

This list of sites where a covenant not to sue (CNS) has been issued is maintained by the Ohio Environmental Protection Agency (EPA). The Ohio EPA's Voluntary Action Program (VAP) sets standards for contaminated site assessment and remediation and reviews the activities conducted by certified professionals based on those standards to issue covenants not to sue (CNS).

**Government Publication Date: Jun 24, 2024**

**Brownfield Inventory:**

BROWNFIELDS

Statewide inventory of brownfield properties maintained by the Ohio Environmental Protection Agency (Ohio EPA). Ohio EPA describes a brownfield as a previously-developed site with potential contamination from industrial or commercial activity that was not being redeveloped due to fear of litigation. Inclusion on this list is voluntary. Most of the properties contained in the Ohio Brownfield Inventory are properties that have received funding through either the Clean Ohio Assistance Fund (COAF) or Clean Ohio Revitalization Fund (CORF). There are also some properties listed that have received funding through U.S. EPA's Brownfield Grants.

**Government Publication Date: May 23, 2024**

**Tribal**

**Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands:**

INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Ohio, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Ohio, according to the U.S. Department of Interior, Bureau of Indian Affairs.

**Government Publication Date: Oct 16, 2017**

**Underground Storage Tanks (USTs) on Indian Lands:**

INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Ohio, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Ohio, according to the U.S. Department of Interior, Bureau of Indian Affairs.

**Government Publication Date: Oct 16, 2017**

**Delisted Tribal Leaking Storage Tanks:**

DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: May 7, 2024**

**Delisted Tribal Underground Storage Tanks:**

[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: May 7, 2024**

**County**

**No County standard environmental record sources available for this State.**

**Additional Environmental Record Sources**

**Federal**

**PFAS Greenhouse Gas Emissions Data:**

[PFAS GHG](#)

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

**Government Publication Date: Aug 5, 2024**

**On-Scene Coordinator Response Sites:**

[OSC RESPONSE](#)

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

**Government Publication Date: Apr 4, 2024**

**Facility Registry Service/Facility Index:**

[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Apr 26, 2024**

**Toxics Release Inventory (TRI) Program:**

[TRIS](#)

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date: Sep 20, 2023**

**PFOA/PFOS Contaminated Sites:**

[PFAS NPL](#)

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

**Government Publication Date: Jun 20, 2024**

#### **Federal Agency Locations with Known or Suspected PFAS Detections:**

**PFAS FED SITES**

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date: Apr 1, 2024**

#### **SSEHRI PFAS Contamination Sites:**

**PFAS SSEHRI**

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date: Jun 27, 2024**

#### **National Response Center PFAS Spills:**

**ERNS PFAS**

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Aug 5, 2024**

#### **PFAS NPDES Discharge Monitoring:**

**PFAS NPDES**

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: Jul 29, 2024**

#### **Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

**PFAS TRI**

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**PFAS Water Quality Portal Sampling Data:**

[PFAS WATER](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 22, 2024

**PFAS TSCA Manufacture and Import Facilities:**

[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

**PFAS Waste Transfers from RCRA e-Manifest :**

[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Jul 23, 2024

**PFAS Industry Sectors:**

[PFAS IND](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Jul 1, 2024

**Hazardous Materials Information Reporting System:**

[HMIRS](#)

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

**Toxic Substances Control Act:**

[TSCA](#)

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

**Government Publication Date: May 12, 2022**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**Potentially Responsible Parties List:**

[PRP](#)

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Jul 24, 2024**

**State Coalition for Remediation of Drycleaners Listing:**

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRCD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

[ICIS](#)

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

**Government Publication Date: Apr 13, 2024**

**Drycleaner Facilities:**

[FED DRYCLEANERS](#)

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: May 5, 2024**

**Delisted Drycleaner Facilities:**

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: May 5, 2024**

**Formerly Used Defense Sites:**

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

**Government Publication Date: May 15, 2023**

**FUDS Munitions Response Sites:**

FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

**Government Publication Date: May 15, 2023**

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date: Dec 2, 1984**

**PHMSA Pipeline Safety Flagged Incidents:**

PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

**Government Publication Date: May 6, 2024**

**Material Licensing Tracking System (MLTS):**

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date: May 11, 2021**

**Historic Material Licensing Tracking System (MLTS) sites:**

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date: Jan 31, 2010**

**Mines Master Index File:**

MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date: Feb 5, 2024**

**Surface Mining Control and Reclamation Act Sites:**

[SMCRA](#)

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

**Government Publication Date: May 20, 2024**

**Mineral Resource Data System:**

[MRDS](#)

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

**DOE Legacy Management Sites:**

[LM SITES](#)

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: Dec 12, 2023**

**Alternative Fueling Stations:**

[ALT FUELS](#)

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

**Government Publication Date: Apr 30, 2024**

**Superfunds Consent Decrees:**

[CONSENT DECREES](#)

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Jun 26, 2024**

**Air Facility System:**

[AFS](#)

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

**Registered Pesticide Establishments:**

[SSTS](#)

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

**Government Publication Date: Feb 29, 2024**

**Polychlorinated Biphenyl (PCB) Transformers:**

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: May 23, 2024**

**State**

**Ohio Emergency Response (ER) Spills data:**

SPILLS

This data contains incidents reported to the Office of Emergency Response (ER) of the Ohio Environmental Protection Agency (Ohio EPA). Spill site and products released are included in the data, as well as clandestine drug lab sites with environmental impact.

**Government Publication Date: May 25, 2022**

**Ohio Historic Towngas Database (TOWNGAS):**

TOWNGAS

A list of 82 sites of coal gas generators in Ohio. These plants produced gas for street lights in the communities in which they were located. The production of one million cubic feet of gas also produced about 800 gallons of liquid coal tar, which is a carcinogen. TOWNGAS was developed from a database from Radian Corporation along with information from the Ohio Historical Society and various public libraries.

**Government Publication Date: Historic**

**Dry Cleaning Facilities:**

DRYCLEANERS

This list of facilities, which have obtained permits to install or operate dry cleaning operations, is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Air Pollution Control (DAPC). This data is sourced from the Ohio EPA's applicable electronic copies of issued permits search tool and FOIA file.

**Government Publication Date: Jul 4, 2023**

**Delisted Drycleaner Facilities:**

DELISTED DRYCLEANERS

List of drycleaner facilities/sites which have been delisted from Ohio Environmental Protection Agency (Ohio EPA).

**Government Publication Date: Jul 4, 2023**

**Urban Setting Designation Sites:**

USD

List of sites granted Urban Setting Designation (USD) by the Ohio Environmental Protection Agency (Ohio EPA). USDs are granted to brownfield and voluntary cleanup properties located in highly urbanized areas where ground water containing chemicals from prior industrial or commercial activities poses no perceptible risk to the community because the ground water is not being used and will not be used for drinking water purposes in the foreseeable future.

**Government Publication Date: May 7, 2024**

**Cessation of Regulated Operations (CRO) Program:**

CRO

The goal of the Cessation of Regulated Operations (CRO) program run by the Ohio Environmental Protection Agency (Ohio EPA) is to prevent threats to human health and the environment created when business owners and operators irresponsibly abandon businesses where chemicals were produced, used, stored or handled.

**Government Publication Date: May 28, 2024**

**Ohio Old Sludge Dumping Database (SIABASE):**

SIAB

This database of about 2800 sites represent pits, ponds and lagoons where various types of sludge were dumped over many years. The object of this data collection was to determine if harm was done to drinking water supplies below each dump site. The data were collected during the 1970s and published by the Ohio Environmental Protection Agency in 1980.

**Government Publication Date:** *Historic*

**Per- and Polyfluoroalkyl Substances (PFAS):**

[PFAS](#)

A list of known PFAS contaminated sites. This list is made available by the Ohio Environmental Protection Agency (Ohio EPA).

**Government Publication Date:** *Oct 6, 2022*

**PFAS Testing of Ohio Public Water Systems:**

[PFAS PWS](#)

A list of public water supply systems that have been tested for PFAS made available by the Ohio Environmental Protection Agency (EPA).

**Government Publication Date:** *Oct 6, 2022*

**Underground Injection Control Wells:**

[UIC](#)

This database includes Class I, IV and V Underground Injection Control (UIC) Wells and is provided by Ohio Environmental Protection Agency (OH EPA). The OH EPA's UIC Program is responsible for the regulation of these injection wells, and for assuring that their operation does not contaminate underground sources of drinking water. This Program was established under the authority of Ohio Revised Code sections 6111.043 and 6111.044, and regulates Class I, IV, and V wells by implementing Chapter 3745-34 of the Ohio Administrative Code. Detailed well class descriptions are as follows: Class I wells inject hazardous and non-hazardous wastes into deep, isolated rock formations that are thousands of feet below the lowermost underground source of drinking water. Class IV wells are shallow wells used to inject hazardous or radioactive wastes into or above a geologic formation that contains an underground source of drinking water. Class V wells are used to inject non-hazardous fluids underground either into or above an underground source of drinking water.

**Government Publication Date:** *Oct 27, 2023*

**Permit by Rule Air Facilities:**

[AIR PERMITS](#)

A permit-by-rule is a specific permit provision in the Ohio Administrative Code that applies to certain types of low-emitting air pollution sources. This list of Permit by Rule facilities is provided by the Ohio Environmental Protection Agency.

**Government Publication Date:** *Jun 19, 2024*

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

**No County additional environmental record sources available for this State.**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX E  
CREDENTIALS

# Wenisha E. Brooks, M.S.

## Environmental Services Group Manager – Due Diligence Services

### PROFESSIONAL EXPERIENCE

Ms. Brooks is the Group Manager for Due Diligence Services and an Environmental Professional in the Columbus, Ohio office. Her professional experience encompasses Phase I Environmental Site Assessments (ESAs), Limited Environmental Desktop Reviews (LEDs), Limited Environmental Compliance Assessments (LECs), Spill Prevention Control and Countermeasure Plans (SPCCs), and Stormwater Pollution Prevention Plans (SWPPPs). She manages projects for Phase I ESAs and Environmental Professional (EP) reviews. Ms. Brooks has participated in over 500 Phase I ESA projects, gaining experience across commercial, residential, agricultural, industrial, solar farms, wind farms, and oil and gas projects.

### PROJECT EXPERIENCE

#### PHASE I ENVIRONMENTAL SITE ASSESSMENTS

##### **Vacant Land/Ranch Properties –Texas and Ohio**

Performed project management duties for multiple undeveloped properties, ranging from 1 acre to 28,000 acres, throughout Texas and Ohio. Performed field reconnaissance, historical file review, and reporting.

##### **Solar and Wind Farms – Western Texas and Central Ohio**

Performed project management duties for seven proposed solar farms in West Texas and Ohio, and two operating wind farms in Ohio. Performed field reconnaissance, historical file review, and reporting.

##### **Vehicle Dealerships/Maintenance/Repair Facilities – Western Texas and Central Ohio**

Performed site reconnaissance on over 30 auto facilities. Performed field reconnaissance, historical file review, and reporting.

##### **Commercial Facilities – Western Texas and Central Ohio**

Performed project management duties for multiple convenience stores/fuel stations, retail shopping centers, apartment complexes, senior living facilities, storage facilities, industrial office/warehouses, food processing plants, agricultural facilities, and telecommunication tower sites in West Texas and Central Ohio.

##### **Industrial Facilities – Western Texas and New Mexico**

Performed site reconnaissance on multiple oil/gas facilities throughout West Texas and New Mexico. Performed field reconnaissance, historical file review, compliance review, and reporting.

##### **Oil and Gas Due Diligence – Western Texas and New Mexico**

Performed site reconnaissance on over 60 Saltwater Disposal (SWD) Facilities throughout West Texas and New Mexico. Performed field reconnaissance, historical file review, regulatory file review, and reporting.



### EDUCATION

Master of Science, Environmental Policy and Management, American Public University, 2019

Bachelor of Science, Environmental Science, and Geology, Midwestern State University, 2013

### CERTIFICATIONS

40-Hour OSHA Hazardous Waste

Operations Training (HAZWOPER)

8-Hour NORM Surveyor Training

PEC Safeland USA Training

### WORK HISTORY

Terracon Consultants, Inc., Group Manager, Environmental Professional, January 2024 – Present

Terracon Consultants, Inc., Project Scientist, Environmental Professional, August 2019 – December 2023

Terracon Consultants, Inc., Senior Staff Environmental Scientist, Environmental Professional, March 2019 – August 2019

Terracon Consultants, Inc., Staff Environmental Scientist, October 2017- March 2019

Terracon Consultants, Inc., Environmental Scientist, March 2016 to October 2017

Wenisha E. Brooks, M.S. (continued)

## REGULATORY COMPLIANCE ASSESSMENTS

- Performed multiple Limited Environmental Compliance Assessments on oilfield equipment/industrial sites throughout West Texas and on at least ten commercial/industrial facilities throughout Ohio. Performed project management, field reconnaissance, and reporting.
- Prepared multiple Storm Water Pollution Plans (SWPPPs) for industrial and commercial sites in West Texas and Central Ohio.
- Performed field reconnaissance for the preparation of Spill Prevention Control and Countermeasures Plan (SPCC) on over 180 sites in West Texas and prepared multiple SPCC Plans for industrial facilities in Central Ohio.

## NATURALLY OCCURRING RADIOACTIVE MATERIAL SURVEY (NORM)

### **Pipe Yard – Western Texas**

Surveyed over 50,000 joints of oil field pipe and other equipment for NORM in West Texas.

# Scott M. Shipkowski

## Environmental Services Staff Scientist

### PROFESSIONAL EXPERIENCE

Scott Shipkowski is a Staff Scientist for the Environmental Department in Terracon's Columbus, Ohio office. Mr. Shipkowski's professional experience includes Phase I Environmental Site Assessments (ESAs), Phase II Limited Site Investigations (LSIs), Stormwater Pollution Prevention Plans Inspections (SWPPP), Vapor Intrusion Mitigation System inspections (VIMS) and soil & water sampling. He has worked as a Staff Scientist on various commercial, industrial and construction projects. He has worked as a Field Services Engineering Technician on numerous projects including multi-story structures, parking garages, solar energy projects and wind energy projects.

### PROJECT EXPERIENCE

#### COMMERCIAL DUE DILIGENCE

##### **Commercial, Industrial, and Municipal clients - Various States**

Conducted Phase I Environmental Site Assessments and Phase II Limited Site Investigations for commercial, industrial, and municipal clients. Properties have included commercial properties, industrial plants, and undeveloped land.

##### **Energy clients- Ohio**

Performed stormwater inspections during solar farm construction to verify implementations of best management practices (BMP's). Inspections were conducted as requested by client, weekly, and after rain events.

##### **Industrial clients- Kentucky, and Ohio**

Provided Regulatory Compliance Consulting Services for manufacturing facilities involving updating SWPPP plans.

##### **Commercial Clients- Ohio**

Performed Vapor Intrusion Mitigation System inspections (VIMS) for commercial clients.

### EDUCATION

Bachelor of Science,  
Environmental Science,  
Otterbein University, 2016

### CERTIFICATIONS

CI217: Qualified Compliance  
Inspector of Stormwater  
(QCIS)- Ohio

United States Environmental  
Protection Agency Construction  
General Permit (GCP) site  
inspector

PT Level II Technician

30-Hour OSHA

### WORK HISTORY

Terracon Consultants, Inc.,  
Staff Scientist, 2022-Present

Terracon Consultants, Inc.,  
Engineering Technician II,  
2018-2022

Alt & Witzig Engineering, Senior  
Field Technician, 2016-2018

Ohio Environmental Protection  
Agency, Intern, 2015

APPENDIX F  
DESCRIPTION OF TERMS AND ACRONYMS

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g., California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act

Term/Acronym	Description
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-21 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).

Term/Acronym	Description
Hazardous Waste	<p>This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."</p>
HREC	<p>Historical Recognized Environmental Condition is defined in ASTM E1527-21 as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition."</p>
IC/EC	<p>A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.</p>
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators

Term/Acronym	Description
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.

Term/Acronym	Description
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.

Term/Acronym	Description
RCRA CORRACTS/ TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non- CORRACTS/ TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-21 as 1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition.
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small Quantity Generator

Term/Acronym	Description
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-21, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Term/Acronym	Description
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>



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**Terracon.com**

October 16, 2024

Moody Nolan Inc.  
300 Spruce Street; Suite 300  
Columbus, Ohio 43215

Attn: Anup Janardhanan

RE: Project Aspire Phase I Environmental Site Assessment Update- **Addendum**  
360 South Third Street  
Columbus, Franklin County, Ohio 43215  
Terracon Project No. N4247251

Dear Mr. Janardhanan:

## Background

Per request by the Ohio Housing Finance Agency, Terracon Consultants, Inc. (Terracon) is submitting additional information regarding the Phase I Environmental Site Assessment Update, submitted to on September 9, 2024. According to the findings of the report, Recognized Environmental Conditions (RECs), Controlled RECs (CRECs), and/or Significant Data Gaps (SDGs) were not identified in connection with the site, and as such, no additional investigation was recommended.

## Additional Requested Information

In accordance with an email received from the Ohio Housing Finance Agency (OHFA) on October 9, 2024, Terracon is providing this addendum summary addressing the following Phase I Environmental Site Assessment non-scope considerations.

- Mold
- Asbestos-containing building materials
- Radon
- Lead-based paint
- Lead-in-drinking-water
- Wetlands

## Addendum

### Visual Observations for Mold

According to the site visit conducted by Terracon for the building at 360 South Third Street, dated August 23, 2024, visual evidence of mold or wet areas indicative of water leaks, were not observed during the inspection.



Asbestos Containing Materials

Terracon conducted an asbestos inspection report dated January 13, 2023. According to the finding of the asbestos report, the following asbestos containing materials (ACMs) were identified.

United Way of Central Ohio  
 360 South 3<sup>rd</sup> Street  
 Columbus, Trumbull County, Ohio

**MATERIALS IDENTIFIED BY ANALYSIS TO CONTAIN ASBESTOS  
 (LISTED BY HOMOGENEOUS AREA)**

HA	Material Description	Material Locations	% and Type Asbestos*	EPA NESHAP Classification	Condition	Estimated Quantities**
S	Black window glazing gasket	<u>3<sup>rd</sup> Floor</u> Interior windows in South Corridors	1.4% Chrysotile by point count (PC)	Category II Non-Friable	Good	~70 Square Feet (SF) ~110 windows
W	Dark brown window caulk	<u>West Stairwell</u> Interior side of windows where frame meets walls, ceilings, and floors	5.1% Chrysotile by PC	Category II Non-Friable	Good	~70 SF ~12 windows
Y	Yellow/black mastic (Beneath non-ACM blue stair tread and 24"x24" blue textured floor tile)	<u>East Stairwell</u> Stairs and Landings on 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> Floors	1.1% Chrysotile by PC	Category I Non-Friable	Good	~450 SF
Z	Blue textured floor tile					
AI	Yellow/black carpet mastic	<u>East Stairwell</u> Basement	2.3% Chrysotile by PC	Category I Non-Friable	Good	~200 SF
AJ	Mudded pipe fitting insulation	On pipes at elbows, T-joints, valves, etc.	0.25% Chrysotile by PC	Not Regulated by EPA NESHAP***	Good	10 fittings observed in Basement (Likely more quantities concealed throughout building)
AR	Residual black mastic	<u>2<sup>nd</sup> Floor</u> Cube Area 288 and 289 (beneath non-ACM carpet/mastic and leveling compound) and Restrooms 292 and 293 (beneath non-ACM 12"x12" floor tile/yellow mastic and leveling compound)	4.2% Chrysotile by PC	Category I Non-Friable	Good	~500 SF
AX	Black waterproofing material	<u>Basement</u> North and East Interior Walls	1.3% Chrysotile by PC	Category II Non-Friable	Good	~450 SF

The materials listed in this table have been sampled and determined by laboratory analysis to contain asbestos. When disturbed, various federal, state, and local asbestos regulations apply. See **Appendix B** for a summary table of samples collected with analytical results. See **Appendix C** for detailed analytical results and chain-of-custody.

\*% & Type Asbestos = this column contains both the analytical result of the sample with the highest concentration of asbestos detected in the samples that make up the HA and the types of asbestos identified.

\*\*Estimated quantities are based on a cursory field evaluation and actual quantities may vary significantly, especially if asbestos-containing materials are present in hidden and/or inaccessible areas not evaluated as part of this inspection. **This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding reported quantities and any further investigation or remediation deemed necessary.**

\*\*\*Not regulated by EPA NESHAP = Materials containing 1% asbestos or less are not regulated by EPA NESHAP; however, the OSHA personal exposure limits (0.1 f/cc of air as an eight-hour time weighted average or 1.0 f/cc of air over 30 minutes) for asbestos apply when materials containing 1% asbestos or less are disturbed. The above-identified mudded pipe fittings are regulated under OSHA 1926.1101 when disturbed and are listed in the table above to enable the demolition contractor to make appropriate decisions concerning compliance issues with applicable federal and state OSHA regulations.

The presence of ACMs is considered a Business Environmental Risk (BER).

Radon Records Review

Radon is a naturally occurring radioactive gas produced through the natural decay of uranium to stable lead. It is odorless, tasteless, and invisible. Elevated concentrations of radon can be found in soils and rocks containing uranium, granite, shale, phosphate,

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and pitchblende. Locations of these materials are highly unpredictable. Elevated levels of radon may also be found in soils containing certain types of industrial wastes, such as the by-products from uranium or phosphate mining. Radon can accumulate inside structures at concentrations that may pose risks to human health. Indoor radon levels are influenced by building construction and the concentration of radon in the underlying soil.

Terracon reviewed the Ohio Healthy Homes Network <http://ohhn.org/radon-home-info> research gathered by the University of Toledo's Ohio Radon Information system <http://radon.utoledo.edu> to identify the site location in terms of potential for average indoor radon concentrations. The study indicated the site is located within Zone 1, which has the highest potential for Radon. The action level is based on an exposure of 18 hours per day for 40 years. According to a U.S. Department of Energy environmental assessment, radon is much less of a concern in commercial buildings than in residential buildings as these buildings usually have mechanical ventilation and occupants are typically not in the buildings as many hours a week as they are in their homes. No action level has been established for commercial buildings or occupational exposure.

The average residential radon concentration from the study for the 43215 zip code is 2.7 pCi/L, and the maximum identified concentration is 11.3 pCi/L. The study included tests in 1,037 homes which had been sampled. The site is located in Franklin County, which has a predicted average indoor screening level of 6.8 picoCuries per liter (pCi/L). The EPA recommends a guideline action level of 4.0 pCi/L for annual average indoor radon concentrations in residential properties

Based on this information, the site is considered to have a high potential for elevated indoor concentrations of radon gas. However, testing would be required to evaluate site-specific concentrations of radon gas. According to Terracon's September 9, 2024 ESA for the site, a radon mitigation system(s) was not observed at the site.

### Visual Lead-Based Paint Observations

According to Terracon's September 2024 ESA for the site, prior sampling for lead-based paint has not been conducted and there is no Operation and Maintenance (O&M) Plan in place for management of lead-based paint.

Terracon visually assessed portions of the interior of the on-site building for suspect lead-based paint (LBP). Samples of suspect LBP were not collected or analyzed as part of the observations. The visual observations for suspect LBP were restricted to readily visible and accessible building materials.

Based on the age of the building (early 1970s), it is possible that some of the observed paints are LBP. The visual observations for LBP were limited to readily observable and accessible surfaces. Terracon cannot guarantee a building or property to be LBP free as the possibility exists that LBP coated surfaces may be hidden from sight or in

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inaccessible locations, or the homogeneous construction areas identified may not be truly homogeneous. It should be understood that these limited visual observations for LBP should not be considered to be comprehensive in nature, and the results are not intended to be used to determine lead hazards, develop abatement plans, or prepare detailed cost estimates for abatement.

The potential presence of LBP paint is considered a BER.

### Lead in Drinking Water Records Review

Lead is a toxic heavy metal that could be present in drinking water. Natural water usually contains very little lead. Contamination generally occurs in the water distribution system or in the supply pipes of the building. Because of this, the EPA has established an action level for lead concentrations in drinking water of 15 µg/L. The action level is defined as the concentration of lead in water, which if exceeded, triggers treatment or other requirements that a water system must follow.

Terracon reviewed the most recent water quality report from the public drinking water supplier to evaluate if water quality meets the applicable lead standard. No water sampling was included in this scope of service. The site relies on drinking water provided by the City of Columbus, the local municipal water supplier. Based on a review of the 2023 Drinking Water Consumer Confidence Report (CCR), the City of Columbus drinking water comes from the Scioto River, Walnut Creek, and groundwater from the Scioto River Valley. In addition, the water quality report indicated that the City of Columbus's drinking water meets the 90% compliance level for lead in drinking water.

### Wetland Mapping Review

Per the agreed scope of services specified in the proposal, the following additional services desktop screening of wetlands was conducted.

The U.S. Army Corps of Engineers (USACE) regulates jurisdictional wetlands and other waters of the U.S. under Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Terracon conducted a limited desktop review of the site to identify areas mapped by the resources below as potentially exhibiting characteristics of wetlands and/or other waterbodies that may be subject to regulation under the USACE. This review may not identify state/locally designated wetlands. This desktop review is not a thorough review of wetlands and may not identify all resources present.

Terracon reviewed the following resources to identify areas mapped as indicating the potential presence of jurisdictional waters of the U.S., including wetlands, on the site:

#### 1. Topographic Map

The United States Geologic Survey (USGS) 7.5-Minute Topographic Map of the subject site was reviewed to identify drainages or other potential

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waters of the U.S. within the project site. A portion of the Topographic Quadrangle can be seen as Exhibit 1 in Appendix A. Based on the USGS map, water bodies are not depicted to occur on the site.

**National Wetland Inventory Map**

National Wetland Inventory (NWI) data for the project site was reviewed to identify potential wetland areas. NWI data for the project site was published by the U.S. Department of the Interior's Fish and Wildlife Service and depicts possible wetland areas based on stereoscopic analysis of high-altitude aerial photographs. The review of the NWI data does not identify potential wetland areas located within the project site.

Terracon's desktop review of the above resources did not identify mapped wetlands or streams on the site. Please note that there may be wetlands not identified on the resources reviewed. The Limited Wetland Review does not constitute a formal determination and/or delineation of a potentially jurisdictional wetland, which requires (among other procedures) a formal field investigation including hand-dug soil stations with vegetation and hydrologic indicators identification, as set forth in *1987 Corps of Engineers Wetland Delineation Manual* and further amended by the applicable *Regional Supplements to the Corps of Engineers Wetland Delineation Manual*.

We appreciate the opportunity to be of service to you on this project. If there are any questions regarding this Phase I Environmental Site Assessment Update Addendum, or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,

**Terracon Consultants, Inc.**

A handwritten signature in black ink, appearing to read 'Shannon Felkey'.

Shannon Felkey  
Senior Scientist

A handwritten signature in black ink, appearing to read 'Lizzette R. Barrow'.

Lizzette R. Barrow, PE  
Environmental Department Manager

SECTION 31 00 00  
EARTHWORK

PART 1 GENERAL

1.01 DESCRIPTION

- A. This Section includes the following:
1. Excavate subsoil and stockpile for later reuse.
  2. Grade and contour site to elevations indicated on Drawings.
  3. Remove from site excess topsoil and subsoil.
  4. Preparing subgrade and filling under slabs on grade, foundations, sidewalks, and paving.
  5. Excavation.
  6. Fill materials and compaction.
  7. Building perimeter backfilling.
  8. Subgrade stabilization for pavement subgrade.
  9. Excavating and backfilling trenches and structures.
  10. Bedding materials.
  11. Fill for over-excavation.
  12. Finish grade subsoil.
  13. Place, level, and compact topsoil.

1.02 RELATED SECTIONS

- A. Work under this section is subject to the requirements of the Contract Documents including General Conditions, Supplementary Conditions, Drawings, and sections under Division 01 General Requirements.
- B. Section 02 41 13 – Site Demolition
- C. Section 31 10 00 - Site Clearing
- D. Section 31 25 00 - Erosion and Sedimentation Control

1.03 REFERENCED STANDARDS

- A. American Society of Testing and Materials (ASTM).
1. C 136 — Method for Sieve Analysis for Fine and Coarse Aggregates.
  2. D 422 — Particle Size Analysis of Soils.
  3. D 698 — Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb. (2.49 kg) Rammer and 12-inch (304.8 mm) Drop.
  4. D 1556 — Test Method for Density of Soil in Place by the Sand-Cone Method.
  5. D 1557 — Test Methods for Moisture-Density Relatives of Soils and Soil Aggregate Mixtures Using 120 lb. (4.54 kg) Rammer and 18-inch (457 mm) Drop.
  6. D 2487 — Classification of Soils for Engineering Purposes (Unified Soil Classification System).
  7. D 2488 — Description and Identification of Soils (Visual — Manual Procedure).
  8. D 2922 — Density of Soil and Soil Aggregate in Place by Nuclear Methods (Shallow Depth).
  9. D 3017 — Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth).

10. D 4318 — Liquid Limit, Plastic Limit and Plastic Index of Soils.
- B. Occupation Safety and Health Administration (OSHA), 29 Code of Federal Regulations (CFC) Part 1926.650 to .657, Subpart P Construction Standard for Excavations.
  - 1.
- C. City of Columbus; Construction and Materials Specifications (CMSC).
  1. The Terms “Engineer,” “Director,” “City,” and other similar terms shall be interpreted as the Owner.
  2. In the event of any conflicts between CMSC and the Contract Documents, the most stringent shall apply
  3. Local municipality having jurisdiction.
- D. Geotechnical Subsurface Investigation prepared by Terracon dated October 2, 2024.

#### 1.04 SUBMITTALS

- A. Comply with requirements of Division 1 for submittals. Submit two copies of the following items:
  1. Material qualification tests for each fill material used and field density test reports directly from Testing Agency.
  2. Testing Agency certificate of inspection and compliance with specifications for the following:
    - a. Bearing capacity for all footing/foundation subgrades.
    - b. Acceptability for both on-site and borrow fill materials, prior to use.
    - c. Acceptability of subgrade prior to fill and pavement base placement.
    - d. Acceptability of fill placement.
  3. Shoring or underpinning plans, signed and sealed by a structural engineer licensed in Ohio.
  4. Submit 1-foot square samples of geotechnical fabric and filter fabric.
- B. Submit to the testing agency in accordance with Division 1 of the project specifications, one week prior to fill placement in order to perform qualification tests.
  1. 10 lb. sample of each type of fill to the Testing Agency in airtight containers.

#### 1.05 QUALITY ASSURANCE

- A. Unless otherwise specified, the Owner shall pay for a Testing Agency to perform the following required qualification tests. The Contractor shall coordinate all activities with the Testing Agency and provide the Testing Agency with an accurate schedule and provide notice of field operations.
  1. Qualification tests on each different fill material (both on-site and imported).
  2. Fill Materials: Provide the following information and qualifications tests for each fill material, including select on-site materials, prior to use on project site.
    - a. Location of sources for each required imported materials prior to delivery to site.
    - b. Analysis of fine and coarse aggregate ASTM C 136.
    - c. Particle size analysis of soils ASTM D 422.
    - d. Liquid Limit, Plastic Limit and Plasticity Index, ASTM D 4318 — cohesive materials only.
    - e. Proctor density or relative density information according to test method identified in the Compaction Requirements Schedule at the end of this section.

- B. Fill material shall not be used until qualification tests have been completed and the Testing Agency has approved the fill material.

## 1.06 DEFINITIONS

- A. Stripping: Removal of existing surficial unsuitable materials (see definition) to their entire depth or as indicated.
- B. Excavation: Cutting, digging, removing, and wasting materials of every description, including soils, foundations, rock, and whatever substance encountered to dimensions, limits, elevations, and contours as indicated or required by either the Drawings or these Specifications.
- C. Rock: Boulders and detached stones having a volume of 2/3 cubic yard or more and any large masses of igneous, metamorphic, or sedimentary rocks, including firmly conglomerated deposits that cannot be removed with a 1 cubic yard capacity power shovel without drilling or blasting.
- D. Unsuitable Materials: Topsoil, loam, gumbo, mud, muck, silt, expansive clay, peat, soils with an organic content greater than 3% by weight, rubbish, debris, foundation and slab materials, paving materials, soil meeting ASTM D 2481 soil classification group ML, MH, CH, OL, OH and PT, rock greater than four (4) inches in diameter, soils with a maximum dry weight of less than 100 pounds per cubic foot, vegetation and frozen or dry lumps. Expansive clay is any clay with a liquid limit in excess of 50 and/or Plasticity Index of 30 or greater.
- E. Unstable Materials: Materials which are not classified as unsuitable materials, but due to their condition of being wet, dry, or frozen, are unacceptable for use in fills.
- F. Imported Fill Material or Borrow: Approved soil materials from sources other than those made available by required excavation of Project. Imported fill shall be free of unsuitable and unstable materials and shall be approved by the Testing Agency and have a proctor test to be utilized prior to placement.
- G. Filling/Backfilling: Placing of approved soil materials in accordance with specified procedures and materials and in conformity with lines, grades, contours, cross-sections and elevations shown on Drawings or required by these Specifications.
- H. Subgrade: Undisturbed soil or compacted fill material upon which additional fill, sub-base or base course, footing, foundation, or slab cushion is placed.
- I. Engineered Fill: An acceptable soil, aggregate, or man-made material that is placed in a controlled manner to satisfy a defined compaction Specification. The defined compaction Specification would include a maximum lift thickness, acceptable moisture content, and minimum required compaction percentage based on a moisture/density relationship (proctor or relative density).
- J. Hydrated Lime: A dry powder obtained by treating quicklime with water enough to satisfy its chemical affinity for water under the conditions of its hydration. It consists essentially of calcium hydroxide or a mixture of calcium hydroxide and magnesium oxide or magnesium hydroxide, or both.

- K. Quicklime: A calcined limestone, the major part of which is calcium oxide or calcium oxide in association with magnesium oxide, capable of slaking with water.
- L. Stabilized Subgrade: Pavement subgrade soil stabilized in accordance with the Testing Agency recommendations and as generally described in Section 3.04.E.
- M. Unauthorized Excavation: consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Owner/Engineer. Unauthorized excavation, as well as remedial work directed by Owner/Engineer shall be at Contractor's expense.
  - 1. Under footings, foundation bases or retaining walls, backfill unauthorized excavation with lean concrete or extend indicated bottom elevation of footing or base to excavation bottom without altering required top elevation.
  - 2. In locations other than those above, backfill and compact unauthorized excavations as specified for authorized excavations of same classification, unless otherwise directed by the Engineer or Testing Agency.
- N. Additional excavation: When excavation has reached required subgrade elevations, notify Testing Agency, who will make an evaluation of the conditions. If the Testing Agency determines that bearing materials at required subgrade elevations are unsuitable or unstable, continue excavation until suitable bearing materials are encountered and backfill the excavated area as directed by the Testing Agency based on these specifications. The contract sum may be adjusted by an appropriate contract modification.

#### 1.07 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle all materials to prevent their deterioration from weather.
- B. Provide sediment and erosion control around all stockpiles in accordance with Section 31 25 00
- C. Sequence work and stockpiles to minimize contamination or mixing of materials.

#### 1.08 PROJECT RECORD DOCUMENTS

- A. Accurately record location of existing utilities, their disposition (abandon or active), rerouted utilities, new utilities by horizontal dimensions, elevations or inverts, and slope gradients.
- B. Verify finished grade spot elevations at locations shown on the grading plans.
- C. Provide verification surveys for underground and surface storm water detention facilities as described in the general notes included on the plans.

#### 1.09 LAYOUT

- A. Employ a Professional Surveyor, registered in State of Ohio, to lay out and establish all lines and grades, including centerline of all structural columns.
- B. Erect control points prior to excavation. Protect existing control points.
- C. All surveying costs to be paid by the Contractor performing the work.

PART 2 PRODUCTS

2.01 FILL MATERIALS

- A. Type A – **CMSC** Item 411 - Stabilized Crushed Aggregate.
- B. Type B – Pea Gravel: Natural stone; washed, free of clay, shale, organic matter; graded in accordance with ANSI/ASTM C136, to the following:
  - 1. Minimum Size: 1/4 inch.
  - 2. Maximum Size: 5/8 inch.
- C. Type C – Sand: Natural river or bank sand, washed: free of silt, clay, loam, friable or soluble materials, or organic matter graded in accordance with ANSI/ASTM C136, within the following limits.

<u>Sieve Size</u>	<u>Percent Passing</u>
No. 4	100
No. 14	10 to 100
No. 50	5 to 90
No. 100	4 to 30
No. 200	0

- D. Type D - Subsoil–Reused, select onsite or borrow soil materials conforming to the following:
  - 1. ASTM D2487 Soil Classification Groups GW, GC, GM, SW, SC, SM, CL, and ML.
  - 2. Less than 3% organic material by weight.
  - 3. Free of unstable or unsuitable material or construction debris.
  - 4. Conform with **CMSC** item 203.02.R
- E. Type E –**CMSC** Item 703, size no. 57 aggregate.
- F. Type F –**CMSC** Item 653.02 Topsoil: Fertile, friable, fine sandy clay loam, uniform in composition, capable of sustaining vigorous plant growth and free of subsoil, stones, lumps, clods of hard earth, plants, plant roots, sticks, noxious weeds, slag, cinders, demolition debris or other extraneous matter over 1 inch in the largest dimension.
- G. Type G - Concrete: Structural concrete conforming to Section 03 30 00, "Cast-in-Place Concrete" with a compressive strength of 4500 psi.
- H. Type H - Drainage Fill: **CMSC** Item 703, Size No. 8 aggregate.
- I. Type I – Low Strength Mortar Backfill: **CMSC** Item 613
- J. Type J - Aggregate Base: **CMSC** Item 304.
- K. Type K – Bank Run Gravel: The material shall consist of bank run sand and gravel, free of frozen materials, wood, rubbish, and unsuitable or unstable material. It shall have no more than 20% passing the No. 200 sieve and no particle size larger than 3 inches. Sources of borrow shall be designated well in advance of construction and the material shall be approved by the Testing Agency prior to beginning work.

## 2.02 CONSTRUCTION FENCE

- A. Plastic construction fence, orange in color, with the following properties:
  - 1. Material - Co-polymer
  - 2. Typical Aperture Size - 1.3 inches x 1.3 inches
  - 3. Minimum Tensile Strength:
    - a. MD 850 lbs./ft. width
    - b. TD 1050 lbs./ft. width
    - c. MD 4850 psi
    - d. TD 5810 psi
  - 4. Junction Strength - 90% of rib strength (minimum) Nominal Porosity – 75%
  - 5. Ultraviolet Resistance - Fully stabilized
  - 6. Temperature Range - -22 degrees F to 150 degrees F
  - 7. Manufacturer - Tensar Safety Grid or approved equal

## PART 3 EXECUTION

### 3.01 GENERAL

- A. The following Specification shall be considered as general criteria for earthwork operations. In those instances where field conditions arise which are not adequately covered by these criteria, instructions for that specific condition will be issued by the Architect/Engineer.
- B. Dust Control:
  - 1. Use all means necessary to control dust on and near the work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the work or if resulting from the condition in which the Contractor leaves the site.
  - 2. Thoroughly moisten all surfaces as required to prevent dust being a nuisance to the public, neighbors, and concurrent performance of other work on the site.
- C. Grading operations shall be performed in such a manner as to direct and control storm water runoff so that no damage or erosion occurs. Saturation of cut and fill areas shall be prevented by directing storm water runoff and not allowing ponding to occur. Fills are to be crowned as required to maintain drainage at the end of each work day. Existing drainage routes shall not be choked or obstructed until new ones are available. Temporary culverts, pumps or other equipment shall be used to facilitate drainage of fills during construction, failure to drain storm water shall not be grounds for delay of this contract due to saturated site conditions. The Contractor shall remove and dispose of saturated materials in excess of allowable moisture content at compaction and shall maintain the project schedule at all times.
- D. Dewatering: All excavation, construction, and backfill of pipes or other facilities to be constructed under this Contract shall be constructed under dry conditions. The Contractor shall constantly maintain all excavations in a dewatered, workable condition, and shall be responsible for installing, operating, maintaining and removing such dewatering systems as are required.
- E. Site Grading:
  - 1. Existing Conditions: Visit site and verify earthwork requirements prior to commencing work.

- a. Existing Grades: Existing grades and contours are indicated on Drawings and represent the best information available on actual existing site conditions. Verify existing grades prior to commencing work. Commencement of work is construed as acceptance of grades and/or contours as correct.
  - b. Subsurface Conditions: Results of explorations are for use in estimating work quantities and design parameters, and for the information of the Bidders only, and neither the Owner nor the Associate/Engineer will be responsible for variations in subsoil deposition and quality or for changes which may have occurred after the investigations were made.
  - c. See logs of explorations for indication of existing soil and rock boundaries.
2. Required contours and elevations are indicated and noted on the Drawings. Should indicated figures conflict with actual conditions and contours, notify the Engineer and await their direction before proceeding.

### 3.02 PREPARATION

- A. Identify required lines, levels, contours, and datum.
- B. Identify known below grade utilities. Stake and flag locations.
- C. Identify and flag above grade utilities.
- D. Maintain and protect existing utilities remaining which pass through work area.
- E. Notify utility company to remove and relocate utilities.
- F. Upon discovery of unknown utility or concealed conditions, discontinue affected work; notify Engineer.

### 3.03 ROUGH GRADING AND EMBANKMENT CONSTRUCTION

#### A. Rough Grading:

1. Site clearing and grubbing shall be done prior to any rough grading in accordance with Section 31 10 00. All debris and deleterious material shall be removed from areas to be filled or backfilled in accordance with this specification.
2. Dispose of excess excavated material or supply additional suitable material as necessary to complete the rough grading to the required elevations.
3. The finished subgrade surface shall be reasonably smooth and free from irregular surface changes and shall be no more than 0.05 feet above or below the approved subgrade elevation.
4. Newly graded areas shall be protected from the action of the elements. Any damage that may occur as a result of natural causes or any construction activities, prior to the acceptance of the work, shall be repaired and grades re-established to the required elevations and slopes.
5. During the performance of rough grading operations, the subgrade shall be proof-rolled under the direction of the testing agency. The proof-roll shall be performed by heavy equipment (minimum 30-ton dual axle dump truck). Any areas discovered which are soft and unstable or exhibit other conditions (pumping or rutting), shall be stabilized immediately as directed by the Testing Agency using one of the following options:
  - a. Scarifying, aerating and recompacting.
  - b. Over-excavating and replacing with acceptable fill material.
  - c. Using lime or lime/fly ash modification techniques.
6. Removal of unsuitable material and its replacement as directed shall be paid on basis of contract conditions relative to changes in work.
7. In general, subgrade shall be established at the following levels:
  - a. For Pavement Areas: Finish grade less the thickness of pavement and base material.
  - b. For Structures: Finish floor elevation less the thickness of the slab and aggregate backfill per Section 3.07.C.
  - c. For Lawn Areas: Finish grade less topsoil thickness.
  - d. Sidewalks and Plazas: Finish grade less sidewalk and aggregate base thickness.
  - e. Landscape Area: Finish grade less topsoil and mulch.

#### B. Subgrade Preparation:

1. Proof Rolling:
  - a. All subgrade surfaces shall be proof rolled by means of heavy equipment (minimum 30-ton dual axle dump truck) to locate and permit timely correction of the subgrade deficiencies. Proof rolling shall be witnessed by the Testing Agency and approved by Testing Agency prior to continuing work.
  - b. In cut sections, proof rolling of the subgrade surface shall be done to determine the location and extent of areas below subgrade surface that may require subgrade undercutting. Should any portion of the cut subgrade surface fail to provide satisfactory support for the proof-rolling operation, the Testing Agency may order corrective undercut and backfill work done. Refer to Section 3.03, Paragraph A.5 and A.6 for corrective measures.

- c. In embankment sections, prior to placing the embankment, proof rolling on the subgrade surface shall be done to determine the uniformity of the compaction below the subgrade and any deficiencies requiring corrective work. Any deficiencies discovered during proof rolling operations shall be corrected in a manner satisfactory to the Testing Agency. Refer to Section 3.03 Paragraph A.5 and A.6 for corrective measures. After all corrective work has been completed, the surface shall be proof rolled again. Corrective work shall not be considered complete and acceptable until the embankment shows satisfactory and uniform response to the proof rolling operations.
- 2. Construction:
    - a. Subgrade shall be shaped to line, grade, and cross section, and compacted as specified. This operation shall include plowing, disking, and any moistening or aerating required to obtain specified compaction. Soft or otherwise unsatisfactory material shall be removed and replaced with satisfactory excavated material or other approved material as directed. Rock encountered in the cut section shall be excavated to a depth of 6 inches below subgrade. Low areas resulting from removal of unsatisfactory material or excavation of rock shall be brought up to required grade with satisfactory materials, and the entire subgrade shall be shaped to line, grade and cross section and compacted as specified. After rolling, the surface of the subgrade for roadways shall not show deviations greater than 1/2 inch when tested with a 12-foot straightedge applied both parallel and at right angles to the centerline of the area. The elevation of the finish subgrade shall not vary more than 0.05 foot from the established grade and cross section.
  - 3. Compaction:
    - a. Compaction shall be accomplished by sheepsfoot rollers, pneumatic-tired rollers, steel-wheeled rollers, vibratory compactors, or other approved equipment. Except for paved areas and railroads, each layer of the embankment shall be compacted to a maximum density in accordance with the Compaction Requirements Schedule at this end of this specification.
- C. Embankment:
- 1. Initial Lift: After proof rolling of the existing subgrade has been completed, the surface of the area to be filled shall be scarified to a depth of 6 inches. An initial 3-inch layer of fill material shall then be spread over the scarified surface and the entire area compacted as specified.
  - 2. Fill Lift Thickness: Areas requiring fill shall be filled and backfilled using suitable materials compacted in layers not to exceed the following (all thicknesses are loose thicknesses):
    - a. Within building areas - 8 inches.
    - b. Under pavements, sidewalks or plazas - 8 inches.
    - c. General site fill - 12 inches.
  - 3. Moisture Content: Placed material shall not deviate from the optimum by more than two percent (+/-2%). Moisture content of any material which displays pronounced deformation under construction equipment shall not exceed the optimum. Drying of wet soil shall be performed with the use of plows, discs, harrows, or other approved methods. If additional water is required, it should be uniformly distributed through the use of approved water wagons and shall be thoroughly incorporated into the material by means of discs or other suitable mixing equipment. Care shall be taken to avoid trapping water within the fill.

4. Amount of Compaction: After each layer has been placed, mixed, and spread evenly, it shall be thoroughly compacted to not less than the percent shown under the Compaction Requirements Schedule in accordance with ASTM Method (D-698/D-1557).
5. Compaction of Embankment Layers: Compaction equipment shall be of such design that it will be able to compact the fill to the specified density. Compaction of each layer shall be continuous over its entire area and the compaction equipment shall make sufficient trips to ensure that the required density has been obtained.
6. Density Tests: Field density tests shall be made by the Testing Agency per the Compaction Requirements Schedule. Density tests shall be taken in compacted material below the disturbed surface. When these tests indicate that the density of any layer of fill or portion thereof is below the required density, the particular layer or portion shall be reworked until the required density has been obtained.
7. Seasonal Limits: No fill material shall be placed, spread, or rolled while it is frozen or thawing or during unfavorable weather conditions. When the work is interrupted by heavy rain, fill operations shall not resume until the Testing Agency indicates that the moisture content and density of the previously placed fill are as specified.
8. Drainage: The embankment and borrow areas should be maintained in a freely draining condition at all times. Proper drainage should be provided for any water or springs which may be encountered.
9. Existing Slopes: When the embankment meets the natural grade of a slope, a bench shall be cut in the existing slope. These cuts are to serve as keys to connect the existing grade with the newly placed fill.
10. Unacceptable Fill Subgrade Material: Frozen fill material or any suitable fill shall not be placed on frozen or snow-covered surfaces.
11. Soft and Wet Soils: If soft, yielding material is encountered in embankments as a result of trapping water, and cannot be satisfactorily stabilized by moisture control and compaction, the unstable material shall be excavated to the depth required by the Testing Agency. The excavation shall then be filled with suitable material and compacted in accordance with the requirements outlined above.
12. Rock: When fill material includes rock, the maximum rock size acceptable shall be 4 inches. No large rocks shall be allowed to nest and all voids must be carefully filled with small stones or earth, properly compacted. No large rocks will be permitted within 12 inches of the finished grade.

Shale and siltstone embankment materials shall be sprinkled to bring the moisture content to within a range of optimum minus 3% to optimum plus 3%. Compaction shall be accomplished with a vibratory sheepsfoot roller in conjunction with a static sheepsfoot roller. The minimum weight for the static sheepsfoot roller shall be 60,000 lbs. The minimum total compactive effort for the vibratory tamping foot roller shall be 50,000 lbs. in accordance with the manufacturer's Specifications. Larger rollers will be permitted as required to obtain density. At the decision of the Geotechnical Engineer, vibration may not be used on fill materials that are predominately cohesive in nature. Each embankment lift shall receive a minimum of three (3) passes with the static roller and a minimum of two (2) passes with a vibratory roller. The rollers should not exceed three (3) miles per hour during these passes.

Mixtures of shale and siltstone and rock shall be placed in accordance with the above noted provisions for shale and siltstone. Rock in such mixtures shall be reduced in size not to exceed 8 inches or separated from the mixture and placed as rock fill.

13. New Embankment on Existing Slopes: When embankment is to be placed and compacted on hillsides or where new embankment is to be compacted against existing embankments, slopes that are steeper than 8:1 shall be continuously benched over those areas where it is required as the work is brought up in layers. Benching shall be of sufficient width to permit operations of placing and compacting equipment. Each horizontal cut shall begin at the intersection of the original ground and the vertical sides of the previous cuts. Material thus cut out shall be recompacted along with the new embankment.

D. Stabilized Subgrade:

1. Once the Contractor has selected a chemical stabilization, said Contractor shall provide the Testing Agency a sample of significant size for testing.
2. The Testing Agency will perform soils tests and determine the acceptability of the Mixture.
3. The Contractor may be required to prepare alternative additives for testing until a suitable additive is selected.
4. The Testing Agency shall observe and test all subgrade stabilization to confirm acceptance as pavement subgrade.

3.04 TOPSOIL EXCAVATION

- A. Excavate topsoil from areas to be further excavated, re-landscaped, or regraded and stockpile in area designated on site.
- B. Seed stockpile in accordance with Section 31 25 00, "Erosion and Sediment Control."

3.05 EXCAVATION

- A. Underpin adjacent structures which may be damaged by excavation work, including utilities and pipe chases.
- B. Excavate subsoil and whatever material encountered required to accommodate building foundations, slabs-on-grade, paving and site structures, and construction operations.
- C. Machine slope banks.
- D. Excavation cut not to interfere with normal 45 degree bearing splay of foundation.
- E. Grade top perimeter of excavation to prevent surface water from draining into excavation.
- F. Hand trim excavation. Remove loose matter. Compact bottoms of excavations with a plate vibrator if directed by the Testing Agency. All excavations to be protected as work progresses.
- G. Remove lumped subsoil, boulders, and rock greater than 1/3 cubic yard measured by volume.
- H. Notify Testing Agency or Engineer of unexpected subsurface conditions and discontinue affected work in area until notified to resume work.
- I. Correct unauthorized excavation at no extra cost to Owner.

- J. Correct areas over-excavated by error at no extra cost to the Owner.
- K. Remove all excavated material from within building area.
- L. Contractor solely responsible for means and methods employed to excavate materials encountered on site.
- M. It is intent of Contract Documents that excavation cuts be used as forms for vertical surfaces of footings and column pads. Soil conditions which prevent vertical cuts, or excavation characteristics which require forming concrete are responsibility of General Trades Contractor.
- N. Prior to placing concrete for the footings, all foundation excavations shall be inspected and approved by the Testing Agency, for the bearing capacity indicated on the Drawings.

### 3.06 BUILDING FILL AND BACKFILL

- A. Remove any accumulated debris from excavations before backfilling.
- B. Backfill on interior side of perimeter footings and foundation walls and on both sides of interior footings and foundation walls with Type A or Type H fill. Place in 8-inch layers, compact with vibratory compaction equipment to a maximum dry unit weight as shown in the compaction requirements schedule at the end of this section.
- C. Construct gravel base under floor slab of Type A, Type E, or Type H fill within building area to provide a layer of minimum 4-inch thickness. Shape subgrade and gravel base for floor slab construction per Drawings.
- D. Within all areas to receive asphalt or concrete pavement immediately adjacent to exterior walls, backfill on exterior of foundation walls with Type A, Type H, Type J, or Type K fill. Place in 8-inch layers, compact with vibratory compaction equipment to a maximum dry unit weight as shown in the compaction requirements schedule at the end of this section.
- E. Backfill at all other exterior foundation walls with suitable excavated material. Place material in 8-inch layers and compact to 98% of the maximum dry unit weight. Backfill to level slightly above grade at building exterior to drain water away from building. At walls with foundation drains and/or weep holes, provide Type A or Type H material for extent indicated on structural drawings. Place material in 8-inch layers and compact to a maximum dry unit weight as shown in the compaction requirements schedule at the end of this section.
- F. Exercise caution to avoid damage to foundation damp-proofing during backfill and compaction operations.

### 3.07 SUBSOIL PREPARATION FOR PLACING TOPSOIL

- A. Eliminate uneven areas and low spots. Remove debris, roots, branches, stones, in excess of 2 inches in size. Remove subsoil contaminated with petroleum products.
- B. Scarify subgrade to depth of 6 inches where topsoil is scheduled. Scarify in areas where equipment used for hauling and spreading topsoil has compacted subsoil.

### 3.08 PLACING TOPSOIL

- A. Place topsoil in areas where seeding, sodding, and planting is scheduled.
- B. Use topsoil in relatively dry state.
- C. Place during dry weather.
- D. Fine grade topsoil eliminating rough or low areas. Maintain levels, profiles, and contours of subgrade.
- E. Remove stone, roots, grass, weeds, debris, and foreign material while spreading.
- F. Manually spread topsoil around trees, plants, building and curbs to prevent damage.
- G. Roll placed topsoil.
- H. Leave stockpile area and site clean and raked, ready to receive landscaping.

### 3.09 SCHEDULE OF LOCATIONS

- A. The following paragraphs identify compacted topsoil thicknesses for various locations.
  - 1. Seeded Areas: 6 inches minimum
  - 2. Sod: 6 inches minimum
  - 3. Shrub Beds: 18 inches minimum
  - 4. Flower Beds: 12 inches minimum
  - 5. Planter Boxes: To within 3 inches of box rim

### 3.10 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed by an independent Testing Agency.
- B. Tests and analysis of fill material will be performed in accordance with ANSI/ASTM C136 and with Division 1.
- C. Compaction testing will be performed in accordance with ANSI/ASTM D2922 and D3017 and with Division 1.
- D. Field density test reports shall clearly identify the following information for each test:
  - 1. Horizontal and vertical location of test
  - 2. Material type being tested
  - 3. Proctor test method
  - 4. Maximum proctor density
  - 5. Specified density
  - 6. Optimum moisture content
  - 7. Field test method
  - 8. Actual moisture content
  - 9. Tested density
  - 10. Pass/fail indication

- E. Do not submit reports of failing tests without follow-up report of reworked area and passing retest. Submitted test reports without specified information will be returned for revisions and resubmittal.
- F. Submit rough draft of daily Field Observation Report to the Engineer via facsimile the day of the field visit. Follow up with formal report.
- G. Excavate, replace at near optimum moisture, recompact and retest all areas failing to meet compaction requirements at no additional cost.

3.11 ACCEPTANCE

- A. Top Surface of Backfilling: Under Paved Areas: Plus, or minus 0.05 feet from required elevations.
- B. Top Surface of General Backfilling: Plus, or minus 0.05 feet from required elevations.

3.12 SCHEDULE OF FILL MATERIAL AND COMPACTION REQUIREMENTS SCHEDULE

- A. Compact fill materials to meet the following minimum Standard Modified Proctor Density, (ASTM D698 /ASTM D1557).

LOCATIONS	MATERIAL TYPES												COMPACTION REQUIREMENTS			
	A	B	C	D	E	F	G	H	I	J	K	L	%	M	U	
	I	P	S	S	I	T	C	I	C	I	B	N		C	I	N
	T	E	A	U	T	O	O	T	D	T	A	S		O	N	I
	E	A	N	B	E	P	N	E	F	E	N	D		M	M	T
	M	R	D	S	M	S	R	M		M	K	B		P	U	A
	4	A		I	7	O	E	7		3	R			A	M	R
	1	V		L	0	I	T	0		0	U			C	T	E
	1	E			3	L	E	3		4	N			T	E	A
		L			5			8			G			I	S	L
					7						R			O	T	I
											U			N	T	F
											A					T
											V					
											E					
											L					
Aggregate base under exterior concrete slabs, sidewalks, and plaza areas.	X									X		X	98%		1/1000 SY	
Foundation wall backfill as defined in "Building Fill & Backfill."	X							X					98%		1/100 SY	
Areas to receive asphalt or concrete pavement or walks immediately adjacent to exterior walls.	X							X		X	X		100%		1/500 SY	
Aggregate base beneath interior floor slab.	X				X			X					100%		1/500 SY	
General site fill, both paved and non-paved areas, utility trenches outside paved areas, utility trenches under pavement in excess of 48 inch depth, corrective backfill, areas to receive lawns immediately adjacent to exterior walls.													98%		1/1000 SY	
Sewer bedding.				X	X								N/A		N/A	



- J. Earthwork:
1. Stability of temporary excavations:
    - a. All excavations shall be in accordance with OSHA requirements.
    - b. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated.
    - c. Maintain sides and slopes of excavations in safe condition until completion of backfilling.
  2. Shoring:
    - a. Except as specified elsewhere, provide all shoring required for earthwork or required as a result of earthwork for safety of workers, existing structures, public or adjacent properties.
    - b. Provide materials for shoring and bracing in good serviceable condition.
    - c. Establish requirements for shoring and bracing to comply with local codes and authorities having jurisdiction.
    - d. Maintain shoring and bracing in excavations regardless of time period excavations will be open.
- K. The Engineer has designed a project which will be safe after full completion. The Engineer has no expertise in, and takes no responsibility for, construction means and methods or job site safety during construction, which are exclusively the Contractor's responsibility. Processing and/or approving submittals made by the Contractor which may contain information related to construction methods or safety issues, or participation in meetings where such issues might be discussed, shall not be construed as voluntary assumption by the Engineer of any responsibility for safety procedures.

END OF SECTION

SECTION 31 10 00  
SITE CLEARING

PART 1 GENERAL

1.01 DESCRIPTION

- A. This section includes the following:
  - 1. Remove surface debris.
  - 2. Clear site of vegetation.
  - 3. Remove trees and shrubs.
  - 4. Remove stumps and root system of trees and shrubs.
  - 5. Remove construction debris.

1.02 RELATED SECTIONS

- A. Work under this section is subject to the requirements of the Contract Documents including General Conditions, Supplementary Conditions, Drawings, and sections under Division 01 General Requirements.
- B. Section 31 00 00 – Earthwork
- C. Section 31 25 00 – Erosion and Sedimentation Control

1.03 QUALITY ASSURANCE

- A. Conform to applicable code for disposal of debris.
- B. Coordinate clearing Work with utility companies.
- C. Contractor to dispose of removed trees and shrubs off site in accordance with local codes.

1.04 DEFINITIONS - The following definitions govern site preparation, clearing, and demolition operations.

- A. Clearing: Removal and disposal of all site vegetation.
- B. Demolition: Removal and disposal of an existing constructed site element in its entirety both above and below grade or unless otherwise indicated on the Drawings.
- C. Trees: Plant material having a trunk diameter of 3 inches or larger measured 1 foot above the ground. Multi-stemmed trees are considered as one tree.
- D. Bush and/or Vegetation: Plant material having a stem diameter less than 3 inches at any point between grade and 1 foot above grade.
- E. Debris: Any material such as rubbish, concrete, bricks, fencing, culverts, windfalls, decaying matter, ash, etc., including materials generated from the demolition of existing structures, surface materials, utilities and brush and tree removal.
- F. Structure: All connected parts of a constructed object to its full extent both above and below grade.

## PART 2 PRODUCTS (NOT USED)

## PART 3 EXECUTION

### 3.01 PREPARATION

- A. Verify that existing plant life and features designated to remain are tagged and identified.

### 3.02 GENERAL

- A. Clear areas shown on Drawings for access to site and execution of work.
- B. Remove trees and shrubs indicated. Remove stumps and root system to a depth of 24 inches.
- C. Clear undergrowth and deadwood without disturbing subsoil.

### 3.03 PROTECTION

- A. Protection of Existing Trees, Landscaping and Natural Features:
  - 1. General Requirements: The Contractor shall protect, throughout the course of construction, all such trees as are shown on the Drawing or marked by the Owner's agent as save.
    - a. The Contractor shall also protect throughout the course of construction all landscaping, vegetation, and natural features on public and private property. The Contractor shall use every precaution to prevent injury, damage, pollution, erosion or destruction of existing landscaping, vegetation, and natural features, including drainage ways, ponds, lakes, swamps, woods, and fields.
  - 2. The limits of clearing shall be located outside the drip line of any tree to be retained, and in no case closer than 5 feet to the trunk of such a tree.
  - 3. Marking: Prior to construction and before the preconstruction conference, individual trees and stands of trees to be retained within the limits of clearing shall be visibly marked with a bright color paint or surveyor's ribbon applied in a band circling the tree at a height visible to equipment operators.
  - 4. Pre-Construction Conference: During any preconstruction conference, tree preservation and protection measures should be reviewed with the Contractor as they apply to that specific project.
  - 5. Equipment Operation and Storage: Heavy equipment, vehicular traffic, or stockpiles of any construction materials including topsoil shall not be permitted within the drip line of any tree to be retained. Trees being removed shall not be felled, pushed, or pulled into trees being retained. Equipment operators shall not clean any part of their equipment by slamming it against the trunks of trees to be retained.
  - 6. Fires: Fires shall not be permitted within 100 feet from the drip line of any trees to be retained.
  - 7. Storage and Disposal of Toxic Materials: No toxic materials shall be stored closer than 100 feet to the drip line of any trees to be retained. Paint, acid, nails, gypsum board, wire, chemicals, fuels, and lubricants shall not be disposed of in such a way as to injure vegetation.

8. Fencing and Armoring: Refer to the drawings for the location and details of Protection Authority. Trees to be retained within 40 feet of a proposed building or excavation shall be protected by fencing. Personnel must be instructed to honor protective devices. The devices described below are suggested only and are not intended to exclude the use of other devices which will protect the trees to be retained.
  - a. Snow Fence - Standard 40-inch-high snow fence shall be placed at the limits of clearing on standard steel posts set 6 feet apart.
  - b. Board Fence - Board fencing consisting of 4-inch square posts set securely in the ground and protruding at least 4 feet above the ground shall be placed at the limits of clearing with a minimum of two (2) horizontal boards between posts. If it is not practical to erect a fence at the drip line, construct a triangular fence nearer the trunk. The limits of clearing will still be located at the drip line, since the root zone within the drip line will still require protection.
  - c. Cord Fence - Posts with a minimum size of 2 inches square or 2 inches in diameter set securely in the ground and protruding at least 4 feet above the ground shall be placed at the limits of clearing with two (2) rows of cord 1/4 inch or thicker at least 2 feet apart running between posts with strips of colored surveyor's flagging tied securely to the string at intervals no greater than 3 feet.
  - d. Earth Berms - Temporary earth beams shall be constructed according to Specifications for a TEMPORARY DIVERSION DIKE (Specification 31 25 00, Paragraph 3.08) with the base of the berm on the tree side located along the limits of clearing. Earth berms may not be used for this purpose if their presence will conflict with drainage patterns.
  - e. Additional Trees - Additional trees may be left standing as protection between the trunks of the trees to be retained and the limits of clearing. However, for this alternative to be used, the trunks of the trees in the buffer must be no more than 6 feet apart to prevent passage of equipment and material through the buffer. These additional trees shall be reexamined prior to the completion of construction and either given sufficient treatment to ensure survival or removed.
  - f. Trunk Armoring - As a last resort, a tree trunk can be armored with burlap wrapping and 2-inch studs wired vertically no more than 2 inches apart to a height of 5 feet encircling the trunk. If this alternative is used, the root zone within the drip line will still require protection. Nothing should ever be nailed to a tree.
9. Fencing and armoring devices shall be in place before excavation or grading is begun, shall be kept in good repair for the duration of construction activities, and shall be the last items removed during the final cleanup after the completion of the project.
10. Grading and/or Filling Around Trees: Grading and/or filling operation within the protective fencing shall be carried on with extreme care only under the direct supervision of the Architect. If the soil over the root area of the trees has been compacted, it shall be restored by proper cultivation to permit entrance of water and proper aeration of roots.
11. Cutting of Tree Roots and Limbs: Roots and limbs of trees are not to be cut unless authorized by the Owner's agent. Should it become necessary to do so, the Contractor shall treat the remaining exposed portion of roots and/or limbs to prevent damage, loss, or injury to the tree. This treatment shall be done in accordance with accepted horticulture practice and by personnel experienced in that field of work.

- B. Protect utilities, structures, and site features to remain, from damage.
- C. Protect bench marks and existing structures from damage or displacement.
- D. Repair damage to the satisfaction of the owner.

3.04 REMOVAL

- A. Remove debris, rock, and extracted vegetation from site.

3.05 BACKFILLING

- A. Backfill any excavations associated with clearing in accordance with Specification Section 31 00 00.

3.06 EROSION AND SEDIMENT CONTROL

- A. Comply with all requirements of Section 31 25 00, "Erosion and Sediment Control."
- B. Execute all appropriate indicated or otherwise required erosion and sediment control items prior to clearing and/or demolition activities.
- C. Execute any remaining erosion/sediment items as soon as practical after clearing operations.
- D. Conform to the requirements of the local authority.

END OF SECTION

SECTION 31 25 00  
EROSION AND SEDIMENT CONTROL

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Temporary and permanent erosion and sediment control.
- B. Comply with OEPA requirements and Stormwater Pollution Prevention Plan prepared for this project.

1.02 RELATED WORK

- A. Section 31 00 00, "Earthwork"

1.03 SUBMITTALS

- A. Comply with requirements of Division 0 and 1. Submit material qualification tests and certificates of compliance as indicated.
- B. In accordance with the Stormwater Pollution Prevention Plan (SWPPP) prepared for the project, all stormwater BMPs shall be inspected once every seven (7) days and within 24 hours of a 0.5 inch or greater rainfall. Inspection logs (included within the SWPPP) shall be kept and shall be submitted to the Owner or Ohio EPA upon request.
- C. At project completion (when all seeding and landscaping is well established), Contractor shall complete and submit to the Ohio EPA the included Notice of Termination (NOT) to terminate coverage from the NPDES General Permit. A copy of the NOT and transmittal shall be provided to the Owner and the Engineer.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Topsoil: Type F Material - Section 31 00 00, "Earthwork."
- B. Filter Barrier Geotextile: The geotextile shall be of either woven or nonwoven construction and consist of long chain polymeric filaments or fibers composed of polypropylene, polyethylene or polyimide. The filament and fibers shall be oriented into a stable network whereby they retain their positions relative with each other. The geotextile shall be ultraviolet stabilized and shall be inert to chemicals commonly found in soil. The geotextile shall meet or exceed physical properties of Supac 5NPUV or Supac G WMUV.
  - 1. Grab Tensile Strength: 90 lb. minimum as measured per test method ASTM D 1682.
  - 2. Mullen Burst Strength: 190 psi minimum as measured per test method ASTM D 3786.
  - 3. Slurry Flow Rate: 0.3 gal./min./ft<sup>2</sup> maximum.
  - 4. Equivalent Opening Size: 40-80 as measured per test method US Std. Sieve CW-02215.
  - 5. Ultraviolet Radiation Stability: 70% minimum as measured per test method ASTM D 4355.
- C. Filter Barrier Stakes: 2" x 2" x 3'-0" wooden stakes.

- D. Rock Channel Protection: Quarried stone meeting the requirements of ODOT Item 601.09 Rock Channel Protection, Type A, B, C, or D with filter, as noted on Drawings.
- E. Seed and Soil Supplements for Temporary Seeding: Provide seed mixture with 20% by weight of perennial ryegrass, 30% red fescue and 50% Kentucky Blue Grass. Provide pulverized agricultural limestone and commercial fertilizer, 10-20-20 or approved substitute.
- F. Mulch: Unrotted straw free from weeds and course material or other approved product suitable for required application.
- G. Mulch Binder: Cutback or emulsified asphalt or synthetic binder such as Petroset, Terratack or Aerospray.
- H. Jute Matting: Cloth or Plain weave, undyed and unbleached single jute yarn, 47 to 49 inches wide, averaging 1.15 to 1.26 lbs., per lin. yard loosely twisted construction of not less than 1.6 turns per inch, 78 warp ends per width of cloth and 41 weft ends per lin. yard, meeting the requirements of CC Item 671.
- I. Matting Staples; No. 8 plain wire, 6-10 inches long.
- J. Commercial Matting Products: Erosionet, Holdgro, Weedcheck, Curlex or approved equal. Product must cover minimum of 30% of soil surface and meeting the requirements of CMSC Item 671.

### PART 3 EXECUTION

#### 3.01 GENERAL

- A. Provide temporary and permanent erosion and sediment control items as required by governing agency, as required by permit, as indicated on the plans, as noted in this Specification, and as noted in the Stormwater Pollution Prevention Plan.

#### 3.02 INSTALLATION

- A. Install temporary erosion and sediment control items prior to clearing and commencing earthwork or as soon as practical as sitework progresses.
- B. Install required permanent erosion and sediment control items as soon as no damage or deterioration will result to those items due to construction activities.

#### 3.03 TEMPORARY ACCESS ROAD AND CONTRACTOR USE AREA

- A. Locate access road where indicated or as approved by Owner and local authority having jurisdiction over public roads in vicinity of site. Locate use areas where indicated or as convenient.
- B. Access road shall be at least 20 feet wide. All cuts and fill shall be 3:1 or flatter to the extent possible. Drainage ditches shall be provided as needed. The roadbed and use areas surface shall be cleared of all vegetation, roots, and other objectionable material.

- C. The entrance shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with stone, as conditions demand, and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately.
- D. All roadside ditches, cuts, fills and disturbed areas adjacent to use areas and access road shall be stabilized with appropriate temporary vegetation immediately after grading.
- E. Both road and use areas may require periodic top dressing with new stone. Seeded areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained. Ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.

#### 3.04 FILTER FABRIC BARRIERS

- A. Construct where indicated or otherwise required by grading operations to reduce sediment content or runoff.
- B. The height of a filter barrier shall be a minimum of 15 inches and shall not exceed 18 inches.
- C. Filter barrier geotextile shall be purchased in a continuous roll and cut to the length of the barrier to avoid the use of joints.
- D. The stakes shall be spaced a maximum of 3 feet apart at the barrier location and driven securely into the ground (minimum of 8 inches).
- E. A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of stakes and upslope from the barrier.
- F. The filter material shall be stapled to the wooden stakes, and 8 inches of the fabric shall be extended into the trench. Heavy duty wire staples at least 1/2 inch long shall be used. Filter materials shall not be stapled to existing trees.
- G. The trench shall be backfilled, and the soil compacted over the filter material.
- H. If a filter is to be constructed across a ditch line or swale, the barrier shall be of sufficient length to eliminate end flow, and the plan configuration shall resemble an arc or horseshoe with the ends-oriented upslope.
- I. Filter barrier shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.
- J. Filter barrier shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- K. Should the fabric on the filter barrier become ineffective prior to the end of its need, the fabric shall be replaced promptly.
- L. Sediment deposits should be removed after each rainfall. They shall be removed when deposits reach approximately one-half the height of the barrier.

- M. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared, and seeded.

### 3.05 ROCK CHANNEL PROTECTION (RCP) PLACEMENT

- A. Place RCP on bedding layer, where indicated, to produce a well graded mass of rock with minimum practical percentage of voids.

### 3.06 TOPSOIL STORAGE AND APPLICATION

- A. Stockpile acceptable topsoil generally where indicated and in such a manner that natural drainage is not obstructed, and no off-site sediment damage shall result. Side slopes of the stockpile shall not exceed 2:1.
- B. A perimeter dike with gravel outlet, silt fence, or straw bale barrier shall surround all topsoil stockpiles.
- C. Temporary seeding of stockpiles shall be completed within seven (7) days of the formation of the stockpile.
- D. Before topsoiling, establish indicated and needed erosion and sediment control items such as diversions, berms, dikes, waterways, sediment basin, etc. Previously established grades on the areas to be topsoiled shall be maintained according to the Drawings.
- E. After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by discing or scarifying to a depth of at least 2 inches to insure bonding of the topsoil and subsoil.
- F. Topsoil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading or proposed sodding or seeding. The topsoil shall be uniformly distributed to a minimum compacted depth of 3 inches on 3:1 or steeper slopes and 4 inches on flatter slopes. Any irregularities in the surface, resulting from topsoiling or other operations, shall be corrected in order to prevent the formation of depressions or water pockets. Avoid undue compaction.

### 3.07 TEMPORARY FILL DIVERSION

- A. The diversion shall be constructed at the top of the fill at the end of each workday as needed.
- B. The diversion shall be located at least 2 feet inside the top edge of the fill.
- C. The supporting ridge of the lower side shall be constructed with a uniform height along its entire length.
- D. Since the practice is temporary and under most situations will be covered the next workday, the maintenance required should be low. If the practice is to remain in use for more than one day, an inspection will be made at the end of each workday and repairs made to the measure if needed. The Contractor should avoid the placement of any material over the structure while it is in use. Construction traffic should not be permitted to cross the diversion.

### 3.08 TEMPORARY DIVERSION DIKE

- A. Whenever feasible, the dike should be built before construction begins on the project.
- B. The dike should be adequately compacted to prevent failure.
- C. Temporary or permanent seeding and mulch shall be applied to the dike within fifteen (15) days of construction.
- D. The dike should be located to minimize damages by construction operations and traffic.
- E. The measure shall be inspected after every storm and repairs made to the dike, flow channel, and outlet, as necessary. Approximately once every week, whether a storm has occurred or not, the measure shall be inspected, and repairs made if needed. Damages caused by construction traffic or other activity must be repaired before the end of each working day.

### 3.09 SEEDING

- A. Incorporate lime and 10-20-20 fertilizer into soil prior to seeding. Apply lime at 900 lbs./1000 S.Y. Apply fertilizer at 200 lbs./1000 S.Y. Apply seed at 25 lbs./1000 S.Y. Within 48 hours after any given area is seeded, straw or hay shall be evenly placed over all seeded areas at the rate of approximately 2 tons per acre for straw, or 3 tons per acre for hay, when seeding is performed between the dates of March 15 and October 15, and the approximate rate of 3 tons per acre straw, or 4 1/2 tons per acre for hay, when seeding is performed between the dates of October 15 and March 15 of the succeeding year. Provide matting where required to establish seed growth.
- B. Areas which fail to establish vegetative cover adequate to prevent rill erosion will be re-seeded as soon as such areas are identified.

### 3.10 MAINTENANCE

- A. Maintain all erosion and sediment control items until final project acceptance. Repair breaches and replace deteriorated or missing items immediately after discovery.
- B. In accordance with the Stormwater Pollution Plan (SWPPP) prepared for the project, all stormwater BMPs shall be inspected once every seven (7) days and within 24 hours of a 0.5 inch or greater rainfall. Inspection logs (included within the SWPPP) shall be kept and shall be submitted to the Owner or Ohio EPA upon request.
- C. Clean sedimentation basins and catch basins as required to maintain effectiveness or as otherwise directed.
- D. Removal: Remove temporary erosion control items as directed and prior to Project close-out.

END OF SECTION