

**Phase I Environmental Site Assessment
Rebuild – Carousel House
4300 Avenue of the Republic
Philadelphia, PA 19104**

March 16, 2022

Project No. 14378



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3-STORY
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Civil

Water/Natural Resources

Geotechnical

Environmental

Construction Review

Coastal/Waterfront



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SUMMARY

This report summarizes Duffield Associates, LLC's (Duffield's) Phase I Environmental Site Assessment (ESA) completed for the Carousel House Recreation Center (Carousel House or the "Property") located at 4300 Avenue of the Republic Philadelphia, Pennsylvania. This work was performed to support demolition planning and activities at the Property.

In addition to completion of a Phase I ESA and to provide demolition support, a hazardous materials survey was performed that included inventory of universal hazardous wastes and sampling and analysis of soils for the presence of lead. Asbestos and lead-based paint surveys were previously performed at the site and are also summarized in this report.

This Phase I ESA was performed in conformance with the scope and limitations of ASTM Practice E1527-13 and was completed to satisfy the federal All Appropriate Inquiry practice (40 CFR 312). The purpose of All Appropriate Inquiry is to identify recognized environmental conditions (RECs) at the Property. According to information provided by the City of Philadelphia, the Carousel House, located in West Fairmount Park, first opened in 1987. Review of historical aerial photographs and mapping indicates that the Property was an undeveloped portion of West Fairmount Park until construction of the Carousel House. **This assessment has revealed no RECs in connection with the Property.**

In addition to completion of a standard Phase I ESA, additional services were requested. Our findings are as follows:

- A summary of identified UHW is provided on Table 1.
- Lead was detected in shallow soils. The reported range of concentrations was between 20.0 milligrams per kilogram (mg/kg) and 185 mg/kg, well below the U.S. Environmental Protection Agency (EPA) standard of 400 mg/kg for bare soil in residential play areas. A summary of the results and the lab report are provided in Appendix I. A summary of results is also presented in Table 2 – Lead in Soils Findings.
- Asbestos-containing building materials were assumed to be present in certain inaccessible areas of the Property including internal materials and boiler breeching associated with the boiler, fire doors, roofing materials, and insulating materials behind walls and above ceilings. These are summarized on Table 3.
- Lead-based paint was identified on ceramic sinks. Table 4 summarizes the locations of lead-based paint coated building materials at the Property.

Recommendations are provided in Section 7.E of this report.

1. INTRODUCTION

This report summarizes Duffield Associates, LLC's (Duffield) Phase I Environmental Site Assessment (ESA) of the Carousel House Recreation Center (Carousel House or the Property) in Philadelphia, Pennsylvania. The Carousel House is located in the Centennial District of West Fairmount Park and is currently closed to the public. The Property is depicted on Figure 1.

The assessment was performed in general accordance with the practice outlined in ASTM International's "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments Process" (ASTM E1527-13). The ASTM E1527-13 practice is recognized under the United States, Environmental Protection Agency's (EPA) "Standards and Practices for All Appropriate Inquiries" (Code of Federal Regulations, Title 40, Part 312).

A. LOCATION AND LEGAL DESCRIPTION

The Property is identified as the Carousel House, which is located within West Fairmount Park. West Fairmount Park is approximately 2,052 acres of park land adjacent to the east and west banks of the Schuylkill River. The limits of the Property, as defined herein, are shown on Figure 2. Fairmount Park is the oldest park in Philadelphia, established in the late 1800s, and is managed by Philadelphia Parks and Recreation. Because the Property is located within the Fairmount Park system, tax parcel information is not readily available. Readily available information about the Carousel House indicates the following:

- The Owner of the parcel is the City of Philadelphia, Parks and Recreation.
- The land area of the property is approximately 4.85 acres.
- The Carousel House is zoned as SP-PO-A: Recreation.

Appendix A notes that tax parcel information is not available for the Property.

B. PURPOSE

The purpose of this Phase I ESA was to identify recognized environmental conditions (RECs) at the Property. Within limitations, the term RECs mean the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

C. DETAILED SCOPE OF SERVICES

Duffield reviewed selected historical and regulatory information pertaining to the Property and nearby lands, and performed a walking visual reconnaissance that included a UHW survey and Lead in Soil Testing in accordance with the scope of services described in Appendix B.

D. SIGNIFICANT ASSUMPTIONS

This report is based on Duffield's professional judgment of environmental conditions observed during our visual reconnaissance of the Property, our interpretation of the reviewed aerial photographs, historical documents, regulatory information, and information conveyed to us through interviews. Our ability to effectively identify and assess environmental conditions is based on assumptions that: the conditions of concern were visible; the documents reviewed provide a reasonable and accurate record of historic land use and practices; and the interviewees provided thoughtful and truthful responses to the questions posed and are familiar with past practices and occurrences at the Property.

E. LIMITATIONS AND EXPECTATIONS

While this evaluation was performed in an effort to generally characterize the environmental conditions of the Property, the observations, conclusions, and recommendations are based solely on conditions encountered at the time of the reconnaissance effort. Latent conditions and other contingencies bearing upon the environmental condition of the site may be evident in the future.

F. USER RELIANCE

This report has been prepared for The City of Philadelphia the "Users" of this document. No other parties may rely upon the information contained in this report without the prior written consent of Duffield.

2. USER-PROVIDED INFORMATION

Mr. Daniel Harkins, Project Coordinator, City of Philadelphia, Department of Public Property, representing the Users and supporting preparation of this Phase I ESA completed the User Questionnaire provided in Appendix C of this report. Mr. Harkins' responses to the questionnaire are summarized below.

A. SPECIALIZED KNOWLEDGE

The User has specialized knowledge of the Property or the surrounding properties.

B. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Mr. Harkins was unaware of did not know of any chemicals present at the Property or spills or releases of chemicals on or at the Property.

C. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Mr. Harkins indicated that the Property is not being sold and that a value reduction due to environmental concerns is not applicable.

D. OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

- Owner: The City of Philadelphia, Department of Public Property
- Property Manager: Joseph Brogan, Program District 7 Manager
- Occupant: The Property is occupied by the Carousel House Recreation Center, which is closed to the public for demolition and redevelopment.

E. REASON FOR PERFORMING PHASE I

The User of this report is performing due diligence in advance of demolition and redevelopment of the Property.

3. RECORDS REVIEW

A. PHYSICAL SETTING SOURCE

Based on Duffield's review of a United States Geological Survey (USGS) topographic map (see Figure 1 – Site Location Map), the Property appears to be located on a relatively flat area. The map indicates that the ground surface elevation of the Property is between approximately 120 and 100 feet above mean sea level (MSL). The Property appears to be on a topographic high from the west, and slopes downward to a topographic low towards the Schuylkill River to the east. Based on the topography in this area, ground surface stormwater and groundwater at the Property likely would flow east towards the Schuylkill River, located approximately ½ mile from the Property.

B. STANDARD ENVIRONMENTAL RECORD SOURCES

Our subcontractor (EDR, Inc.) obtained information from standard environmental records sources for sites identified within the ASTM E1527-13 search radii. EDR's Radius Map Report presents a summary of environmental database search results. The Radius Map Report, dated February 16, 2022, is included in Appendix D.

The Radius Map Report's search results were refined to listings of the Property, adjoining sites, and potentially "upgradient" sites within the search radii only. Table A (below) refines the Radius Map Report's search results listings of the Property, adjoining sites and "upgradient" sites. Potentially "upgradient" sites are estimated based on the anticipated groundwater flow direction as described in Section 3.A (Physical Setting Source). Sites listed in this table are potential RECs in connection with the Property. The Property is not listed in any of the reviewed regulatory databases.

Discussions of the sites, listed below in Table A, are provided in Section 6.A (Findings and Opinions).

**Table A: Refined Environmental Database Listings
(The Property, Potentially Upgradient Sites, and Adjoining Sites)**

Standard Regulatory Databases	Upgradient Minimum Search Distance (miles)	Site Name	Site Address
Federal NPL site list	1	None	-
Federal Delisted NPL site list	0.5	None	-
Federal CERCLIS list	0.5	None	-
Federal CERCLIS No Further Remedial Action Planned (currently known as SEMS-ARCHIVE)	0.5	Strawberry Mansion Bridge Lead Release	Strawberry Mansion Bridge, Philadelphia, PA 1913 in Fairmount Park
Federal RCRA Corrective Action Report (CORRACTS)	1	None	-
Federal RCRA non-CORRACTS TSD	0.5	None	-
Federal RCRA generators list	Property/	None	-
	Adjoining	None	-
Federal institutional control/engineering control	Property only	None	-
Federal Emergency Response Notification System list	Property only	None	-
SHWS - State NPL	1	None	-
State CERCLIS	0.5	None	-
State and tribal landfill and/or solid waste disposal sites	0.5	None	-
State and tribal leaking storage tank lists (LUST/LAST)	0.5	Former Dry Cleaning Facility	4944 Parkside Ave
		North 49 th Street	1700 N. 49 th Street
State and tribal registered storage tank lists	Property/	None	-
	Adjoining	None	-
State and tribal institutional control/engineering control	Property only	None	-
State and tribal voluntary cleanup (VCP) sites	0.5	1700 N 49 th Street Comcast	1700 N 49 th Street
State and tribal Brownfield sites	0.5	None	-

CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System

RCRA = Resource Conservation Recovery Act

TSD = Treatment, Storage, and Disposal

SHWS = State Hazardous Waste Sites

NPL = National Priority List

C. ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Duffield searched additional environmental record sources including the Pennsylvania Activity and Use Limitation (PA AUL) Registry, the Pennsylvania Department of Environmental Protection (PADEP) eFACTS online database, and the United States Environmental Protection (USEPA) online database for additional information pertaining to the Property and sites listed in Table A above, if any.

1. PA AUL REGISTRY AND ENVIRONMENTAL LIEN SEARCH

Duffield searched the PA AUL Registry for additional information pertaining to the Property and sites listed in Table A above, no documents were obtained within the required search radius of the site. The PA AUL map is provided in Appendix I.

2. PADEP eFACTS WEBSITES

Duffield searched the PADEP eFACTS online databases. The following documents regarding the Property and sites listed above in Table A were obtained:

- Streets Site 050, 4804-48 Parkside Ave: Bureau of Environmental Cleanup and Brownfields Storage Tanks Search Results, permit inspection results.
- Former Dry Cleaning Facility, 4944 Parkside Ave: Bureau of Environmental and Brownfields Inactive Storage Tanks, closure reports.
- Merion Avenue Storage Facility, 4965 Merion Ave: Bureau of Environmental Cleanup and Brownfields, Inactive Storage Tanks, Closure report.

The above documents are provided in Appendix I.

3. USEPA ENVIROFACTS WEBSITE

Duffield searched the USEPA Envirofacts online database. The following documents regarding the Property and sites listed above in Table A were obtained:

- 4913-38 Parkside Ave, 4913-38 Parkside Ave: USEPA Envirofacts Brownfields ACRES Summary.
- 4801 West Jefferson Ave: USEPA Envirofacts Brownfields ACRES Summary.
- West Parkside Industrial Park: USEPA Envirofacts Brownfields ACRES Summary.

The above documents are provided in Appendix I.

4. ORPHAN SITES

Six orphan sites are listed in the EDR Radius Map Report (Appendix D). Orphan sites are those that could not be located on a map by EDR. All six of the orphan sites were located and determined to be downgradient or beyond the search radius for the Standard Environmental Records Source Database and are no longer discussed herein.

5. CITY OF PHILADELPHIA RECORDS

Duffield reviewed the City of Philadelphia online zoning archive database and Licenses and Inspections online permit database for the Property. No documents pertaining to environmental conditions of the Property to aid in the identification of RECs were found.

4. HISTORICAL USE INFORMATION

Duffield reviewed historical maps, aerial photographs and Sanborn fire insurance maps collected by EDR. The historical use information, summarized below, was reviewed for past usage of the Property and surrounding areas that may affect environmental conditions.

A. PHILADELPHIA GEOHISTORY NETWORK

Duffield searched the Philadelphia GeoHistory Network, which provides historic mapping for the period of 1862 through 1962, for additional information pertaining to the Property, if any. Philadelphia Land Use Maps, Appraisal Maps, and Philadelphia Atlas Maps from 1862, 1895, 1910, 1942, and 1962 were reviewed and are included in Appendix E.

Table B: Philadelphia GeoHistory Maps

Map Date	The Property	Adjoining Sites
1862	The location of the Property is mapped as vacant land.	Belmont Ave bounds the site on the west of the property. The Land Company is located adjacent to the property in the northeast corner.
1895	The location of the Property is depicted as vacant land, the streets bounding the property appear in the present configuration.	A lake is present on the east side of the property. Memorial hall and Welsh Memorial Fountain are on the northeast and east the property. Pennsylvania Railroad Co. is located southwest of the property. Blackwood Imp. Company and Colombia Riding School are located southeast of the property.
1910	No significant changes are apparent.	The location of the Blackwood Imp Co. are residential townhomes, and the location of the Colombia Riding School is depicted as Ludwig Hotel.

Map Date	The Property	Adjoining Sites
1942	No significant changes are apparent.	The lake is no longer depicted on the map. No other significant changes are apparent.
1962	No significant changes are apparent.	Fairmount Park Transit Station is depicted southwest of the property. No other significant changes are apparent.

B. HISTORICAL AERIAL PHOTOGRAPHS

Duffield reviewed historical aerial photographs provided by EDR from the years 1942, 1945, 1950, 1953, 1965, 1967, 1971, 1975, 1981, 1988, 1992, 1999, 2005, 2010, 2013 and 2017. The following table summarizes pertinent information from the review of the historical aerial photographs, which have been included in Appendix F.

Table C: Historical Aerial Photograph Summary

Aerial Photograph Date	The Property	Adjoining Sites
1942	The property appears as undeveloped.	Railroads and railyards are developed southwest of the property. Residential and commercial development appears southeast of the property. A lake is present west of the property with a building constructed to the south of the lake. Areas adjacent and surrounding the immediate property appear undeveloped with grass and trees. Memorial Hall is present northeast of the property.
1945, 1950, 1953	No significant changes are apparent.	No significant changes are apparent.
1965	No significant changes are apparent.	Additional buildings are constructed around railyard to the southeast.
1967	No significant changes are apparent.	An athletic field appears to be developed east of the site
1981	No significant changes are apparent.	No significant changes are apparent.
1988	The Carousel House and outdoor recreational facilities appear to be developed on the property.	No significant changes are apparent.
1992	No significant changes are apparent.	The railroads and railyard do not appear on the photographs southwest of the site.
1999	Additional recreational facilities and parking lots surrounding the	Building construction and development appears in the former location of the

Aerial Photograph Date	The Property	Adjoining Sites
	Carousel House are apparent.	railroad and railyard southwest of the site
2005	No significant changes are apparent.	Vegetation and tree growth appears in the vacant areas once occupied by the railroad and railyards alongside construction.
2010	No significant changes are apparent.	A parking lot expansion appears west of Memorial Hall to the northeast of the property.

A. HISTORICAL FIRE INSURANCE MAPS

Duffield reviewed historical Sanborn Fire Insurance Maps (Sanborn Maps) for the Property provided by EDR for the years 1925, 1950, 1974, 1978, 1989, 2001, 2003 and 2005. The following table summarizes information from the review of the Sanborn Maps, which have been included in Appendix G.

Table D: Historical Fire Insurance Map Summary

Sanborn Map Date	The Property	Adjoining Sites
1925	The property appears undeveloped.	A trolley station is present to the southwest of property, Memorial Hall is present northeast, and a lake is present to the west. The area to the north, south and east are generally undeveloped.
1950	No significant changes are apparent.	No significant changes are apparent.
1974	No significant changes are apparent.	The location of the former trolley station is labeled as park guard headquarters.
1978, 1989, 2001, 2003, 2005	No significant changes are apparent.	No significant changes are apparent.

5. SITE RECONNAISSANCE

A site reconnaissance of the Property was performed on February 25 and March 1, 2022. The walking reconnaissance was performed by Duffield's personnel, Eva Gladish, P.G. and consisted of a visual review of present site conditions for indications of RECs along with conducting an inventory of universal hazardous wastes.

A. METHODOLOGY AND LIMITING CONDITIONS

No limiting conditions were encountered during the walking reconnaissance of the Property.

B. SITE SETTING

1. CURRENT USE OF THE PROPERTY

The Property consists of the Carousel House Recreation Center and Farm Philly agricultural area. The property has not been in operation since mid-2021 and is scheduled for demolition and redevelopment. The site is currently surrounded by a fence to restrict access. Current use of the Property is for storage of landscaping equipment and supplies, lawn mowers, line trimmers, tools, cleaners, books and administration supplies among other various equipment.

2. DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE PROPERTY

The Property is located within West Fairmount Park. Belmont Avenue, Avenue of the Republic, and S. Concourse Drive bound the Property to the west, north and south. An open lawn that is part of West Fairmount Park bounds the Property to the east.

3. CURRENT USES OF ADJOINING SITES

The Property is located within the Centennial District of West Fairmount Park (Photograph 1). The areas surrounding the Carousel house consist of park property and green spaces.

- **North:** The adjoining site to the north is West Fairmount Park property (Photograph 2).
- **West:** The area adjoining to the east is Concourse Lake, surrounded by walking paths (Photograph 3).
- **South:** The adjoining areas to the south are residential and commercial buildings (Photograph 4).
- **East:** The adjoining areas to the west include an athletic field and West Fairmount Park facilities (Photograph 5).

C. EXTERIOR OBSERVATIONS

Front: The front of the building is paved with a parking lot. Walkways and benches are also present at the entrance. Vegetable gardens surround the west and south side of the property. A shed containing gardening tools and supplies is on the western side of the property.

Back of Building: The back area of the building contains greenspaces with walkways. A playground is located in the southwest corner of the property (Photograph 6). An athletic track is located on the east end of the property. Trees and grassy areas surround the south and eastern areas of the property. Two sheds containing garden equipment and storage are located along the back side of the building.

D. INTERIOR OBSERVATIONS

Water damage was observed throughout the building. Specific observations are presented below.

Office Area: The building is one-story tall and does not have a basement. The office area contains an entryway office, a main office area, two bathrooms and a kitchen (Photograph 7). The main office area has several desks, with storage areas and computer equipment. Bathrooms are single occupancy. The kitchen contains a refrigerator and stove with storage. The Farm Philly office is currently used as storage and can be accessed through the main office and through the hallway (Photograph 8). Two storage closets are also located in the main office area one containing a control panel. Apparent water damage was observed on the ceiling throughout the building. The main office contains a control panel for the gymnasium lighting and security system. Small quantities of lubricants and cleaning supplies are observed throughout the office area.

Hallway surrounding gymnasium and outer rooms: The building is constructed in a circle, with activity rooms on the outer area and the gymnasium in the center. The rooms include a craft room, storage rooms, bathrooms, a cafeteria kitchen, a media room, a pool area, a workout room, a game room and utility/mechanical room.

The craft room contains paints, including spray paint and art supplies. The room is also used for storage and contains a sink. Apparent water damage was observed (Photograph 9).

Farm Philly occupies one of the storage areas and an office. The storage area and office contain landscaping equipment, generators and power tools, tarps and tents and computer monitors and televisions.

The cafeteria kitchen has food service equipment including industrial refrigerators, a freezer, an icemaker among other cooking and food preparation equipment. Water damage and partial ceiling collapse was observed.

The Media room consist of a stage, a storage room and a main floor area. Disposable food service materials are stored along with general office equipment. The storage room contains recreation equipment (Photograph 10).

The Pool area contains a small office with laundry and a bathroom. The bathroom contains a minimal quantities of cleaning equipment. An indoor in-ground pool is present (???) (Photograph 11). Adjacent to the pool is a utility room with pool chemical storage (Photograph 12) and pool service plumbing that is above ground

and sub-grade, the sub-grade areas have sump-pumps. Floor drains are present in the utility room. A 150-gallon tank of pool chemicals is present in a closet in a hallway in the pool area (Photograph 13). Public restrooms are also present in the pool area. Water damage to the was observed throughout the pool area.

The workout room contains free weights, machine weights and cardio equipment. Water damage to the ceiling was observed

The game room contains tabletop games and a storage closet. Water damage was observed throughout the game room.

The Utility/mechanical room contains cleaning and maintenance supplies and mechanical equipment (Photograph 14). The utility area has a sink and floor drains. The mechanical room consists of boilers, HVAC equipment and storage, including chemicals, paints, lightbulbs and two refrigerators. Garden equipment and building maintenance equipment is also stored in this area and includes cleaners, chemicals, paints and lightbulbs and thermometers (Photograph 15). Standing water was observed on the floor of the mechanical room as well as and floor drains. No oily staining or other indication of a release was observed in connection with the floor drains or standing water.

The Hallway contains access to rooms as well as storage, vending machines and a water cooler.

Gymnasium: The gymnasium consists of an athletic court for basketball and other sports (Photograph 16). The room contains a control panel (Photograph 17) for ballast lights. Currently the area is used as storage and includes bulk supplies of books, administrative equipment, cleaning products, recreation equipment for pools and food storage (Photograph 18).

Farm Philly Shed: A storage shed for Farm Philly is present on the west side of the property and contains garden equipment.

6. INTERVIEWS

A. INTERVIEW WITH OWNER REPRESENTATIVE AND SITE MANAGER

Duffield's personnel, Ms. Eva Gladish, interviewed Mr. Joseph Brogan during the walking reconnaissance on February 25 and March 1, 2022. Mr. Brogan is the Program District 7 Manager and is with Philadelphia Parks and Recreation. Mr. Brogan confirmed that the building currently was not in use as a recreation facility and is being used by Farm Philly and Parks and Recreation as storage.

Mr. Brogan indicated that the facility is connected to public water and sewer. Mr. Brogan also confirmed that the floor drains are connected to the public sewer. The building is heated using natural gas.

B. INTERVIEW WITH GOVERNMENT OFFICIAL

Duffield's personnel, Eva Gladish contacted Ms. Quadira Glover of the PADEP Southeast Regional Office on March 2, 2022, by email to inquire of environmental records concerning the Property. Ms. Glover indicated that no records are available for the Property.

C. INTERVIEW WITH PAST OWNERS, OPERATORS, AND OCCUPANTS

Duffield was unable to obtain interviews with past owners, operators, and occupants.

7. EVALUATION

A Duffield environmental professional has evaluated the data used to support the preparation of this Phase I ESA report. The environmental professional's qualifications and those of the environmental technician are presented in Appendix J.

A. FINDINGS AND OPINIONS

Duffield reviewed the gathered information to identify RECs. According to ASTM E1527-13, the term REC means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. RECs do not include *de minimis* conditions that generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of regulatory agencies.

Findings of interest for this Phase I ESA and associated opinions are as follows:

- **The Property: Carousel House, 4300 Avenue of the Republic**

Review of historical documents, including aerial photographs and Sanborn Maps, indicates that the Carousel House has occupied the property since 1987. The Property has been part of the West Fairmount Park since the late 1800s. The Carousel House is first observed on the 1988 aerial photograph.

Urban Land. Urban land in Philadelphia is often environmentally impacted by imported fill material containing hazardous substances, in particular lead, arsenic, and polynuclear aromatic hydrocarbons (PAHs). In our experience, regulatory agencies do not intentionally pursue cleanup of this common and widespread condition. However, if soils from the site were to be removed, it is likely that the soil would not be considered "clean" and should be managed in accordance with applicable PADEP requirements (e.g., PADEP, 2010. Management of Fill Policy). It is Duffield's opinion that the potential presence of historic fill at the Property is not considered a REC, but rather a *de minimus condition* and a potential business risk.

Chemicals: Chemicals for pool maintenance are present in the facility and include hydrochloric acid solution and calcium hypochlorite. The supply of these chemicals is approximately 50 gallons. Other chemicals include acrylic and oil-based paints, spray paint, cleaners, coolants and lubricants. The presence of small quantities of these materials is not considered a REC, but rather a *de minimis* condition.

- **Strawberry Mansion Bridge Lead Release, Strawberry Mansion Bridge, Fairmount Park**

Relative Location: The site is 1.5 miles north of the Property.

Federal CERCLIS No Further Remedial Action Planned (currently known as SEMS-ARCHIVE). The Radius Map Report (Appendix D) lists the Strawberry Mansion Bridge Lead Release as a SEMS-ARCHIVE site. The Radius Map lists the site location as 275 feet from the Property, however Strawberry Mansion Bridge is approximately 1.5 miles northwest of the site, and outside of the ASTM search radius. Accordingly, this site is not considered a REC for the Property.

Former Dry Cleaning Facility, 4944 Parkside Avenue

Relative Location: The site is located approximately 1490 feet west of the Property.

State and tribal leaking storage tank lists (LUST/LAST). The EDR Radius Map Report (Appendix D) lists the Former Dry Cleaning Facility site on the LUST. According to the EDR Report, a release of petroleum to soil was reported in 2007. According to PADEP eFacts site, the tank was permanently closed in place in 2007. A cleanup was reported complete in October 2009. Because the release is described as to soil and cleanup completed in 2009, the release at the Former Dry Cleaning Facility is not considered a REC for the Property.

- **North 49th Street Comcast, 1700 N. 49th Street**

Relative Location: The site is located approximately ¼ mile west-southwest of the Property.

State and tribal leaking storage tank lists (LUST/LAST). The Radius Map Report (Appendix D) lists North 49th Street as a LUST site. The Radius Map Report and eFACTS indicate that a release of Fuel Oil No 2, occurred in March 2017 impacting groundwater and soil. The status is listed as Interim or Remedial Actions Initiated in March 2017. A Notice of Intent to Remediate (NIR) was received by PADEP in connection with this release. No further information was available concerning this site. Given the relative distance of the site and that hydrologically it is considered cross-gradient, conditions at the North 49th Street Comcast site are not suspected to impact the Property and are not considered a REC.

State and tribal voluntary cleanup (VCP) sites. The Radius Map Report (Appendix D) lists 1700 N. 49th Street as a Voluntary Cleanup Site (VCP). The Radius Map Report lists the same address as a LUST indicating the release of Fuel Oil No 2, likely occurred in March 2017, impacting groundwater and soil. The site remedy is a site-specific standard to the statewide health standard with impacted Soil and Groundwater. Similar to the LUST status, the VCP status of this site is not considered a REC for the Property.

B. VAPOR MIGRATION

The findings presented in this report were reviewed for indications of the potential for contaminant vapors to migrate onto the Property as a result of confirmed contaminated soil or groundwater on or near the Property. No potential sources of petroleum impact were identified that are suspected to impact conditions at the Property.

C. SIGNIFICANT DATA GAP REVIEW

A significant data gap is an absence of information that affects the ability of the environmental professional to identify RECs. As part of the ASTM E1527-13 standard (ASTM Section 12.7), the environmental professional identifies and comments on significant data gaps, if any, and identifies the sources of information consulted to address the data gaps. In addition, because the ASTM standard (Section 8.2.2) specifically requires an opinion, attention was made to the sufficiency of the regulatory agency file and records review. Duffield's opinion is provided below.

Adequacy of Regulatory Agency File and Records Obtained. If the Property or adjoining properties are identified on one or more of the “standard environmental record sources” referenced in Section 3.B (Standard Environmental Record Sources), the ASTM E1527-13 method (Section 8.2.2) requires an opinion from the Environmental Professional regarding whether a “regulatory file review” is warranted. The “regulatory file review” conventionally refers to a visit to the Federal or State environmental regulatory agency's file room. The ASTM method recognizes that performance of a regulatory file review is not always practical for reasons which include, but are not limited to, the following:

1. Identification of the Property or adjoining property through the standard environmental record sources is not accurate (e.g., the record provided an inaccurate address).
2. Information is not obtainable within 20 calendar days of a request.
3. The information can be obtained from alternative sources (e.g., on-site records, User-provided records, website databases, and interviews).

For this assessment, no sites were identified as RECs through review of the standard environmental record sources as identified in the ASTM E1527-13 method. Based on our experience, and in our opinion, additional regulatory file review is not

necessary to provide additional information regarding environmental conditions at the Property.

Significant Data Gaps. Past owners or occupants were not interviewed as part of this Phase I ESA. Given that the Property since has been part of the West Fairmount Park and operated by the City of Philadelphia since the late 1800s, interviews with past owners, operators and occupants is not required to evaluate the presence of RECs. This data gap did not adversely affect our ability to identify RECs.

D. CONCLUSIONS

1. RECOGNIZED ENVIRONMENTAL CONDITIONS

Duffield has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the Property located at 4300 Avenue of the Republic Philadelphia, Pennsylvania. Any exceptions to, or deletions from, this practice are described in Section 7.F (Exceptions or Deletions) of this report. This assessment has revealed no evidence of RECs in connection with the Property.

2. CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CRECS)

A Controlled Recognized Environmental Condition (CREC) is a recognized environmental condition that is being appropriately characterized and remediated in accord with, and under the supervision of, authorized governmental agency charged with oversight of such recognized environmental condition. This assessment has not revealed evidence of controlled RECs in connection with the Property.

3. HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECS)

A historical Recognized Environmental Condition, as defined in the ASTM Standard, is an environmental condition that in the past would have been identified as a REC, but has been adequately addressed and, therefore, no longer represents a REC. Duffield has not identified any historical RECs in connection with the Property.

4. POTENTIAL BUSINESS RISKS

- Soils at the Property are mapped as Urban Land. Fill materials commonly contain regulated substances at concentrations that exceed PADEP Clean Fill standards and may require special handling if removed from the Property.

E. RECOMMENDATIONS

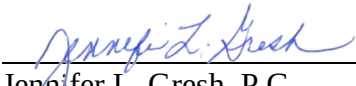
Duffield has no recommendations for additional assessment.

F. EXCEPTIONS OR DELETIONS

No exceptions or deletions from the standard Phase I ESA occurred during the completion of this Phase I ESA.

G. STATEMENT OF ENVIRONMENTAL PROFESSIONAL

I 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 the United States Environmental Protection Agency's "Standards and Practices for All Appropriate Inquiries" Code of Federal Regulations, Title 40, Part 312 (40 CFR Part 312). I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Jennifer L. Gresh, P.G.
Environmental Professional

H. NON-SCOPE CONSIDERATIONS

A Universal Hazardous Waste (UHW) survey was completed as part of this Phase I ESA. Asbestos and lead-based paint surveys were previously performed as provided in Synertech's May 12, 2021, report (Appendix I). UHW, asbestos and lead-based paint do not meet the definition of hazardous substances under the All Appropriate Inquiry (AAI) practice. Accordingly, the presence of these substances is not considered a REC, but rather a potential business risk and are discussed below.

1. UNIVERSAL HAZARDOUS WASTE INVENTORY

A universal hazardous waste (UHW) survey was conducted during the Phase I ESA and the findings were tabulated and quantities estimated on Table 1. UHWs included small quantities of paints, cleaning chemicals, freon containing units (e.g., water coolers, refrigerators), fluorescent light tubes and ballasts, mercury-containing equipment (thermometers), potential lead-acid batteries, and batteries for power tools. Duffield provides recommendations for management of UHWs on Table 1.

2. ASBESTOS SURVEY

Duffield's subcontractor, Synertech, Inc., conducted an asbestos survey of the building on May 12, 2021. Synertech provided a City of Philadelphia-licensed Asbestos Investigator to perform the asbestos survey and conduct bulk sampling.

The asbestos survey followed the guidelines outlined in 40 CFR Part 763 (Asbestos Hazard Emergency Response Act) and 29 CFR Part 1926.1101 (OSHA Occupational Exposure to Asbestos, Final Rule). Suspect asbestos-containing materials (ACMs) were sampled and analyzed for asbestos content via Polarized Light Microscopy (PLM), method EPA 600/R0-93/116, the standard method of analysis for determining asbestos content in building materials. Synertech's report is provided in Appendix I.

Presumed ACM was identified during the survey and is summarized on Table 3. Presumed asbestos-containing materials included internal materials associated with boiler, insulation inside metal panel associated with storefront window in art room, wood and metal fire doors, roof field and flashing, thermal system insulation. A completed City of Philadelphia, Department of Public Health, Asbestos Inspection Report is provided in Appendix I.

Synertech recommends the removal of asbestos-containing materials prior to conducting renovations or demolition as per local and Federal regulations.

3. LEAD-BASED PAINT SURVEY

Duffield's subcontractor, Synertech, Inc. conducted a lead-based paint survey (LBP) on May 12, 2021. A licensed Lead Inspector/Risk Assessor performed the LBP inspection using an X-Ray Fluorescence Spectrum Analyzer (XRF). Synertech's report is provided in Appendix I.

LBP and Lead Containing Coatings (LCC) were identified in ceramic sinks in restrooms and utility closets. A summary of identified LBP and LCC as compared to several threshold values is presented in Table 4. The threshold values are as follows:

- The City of Philadelphia, Department of Health defines LBP as equal to or greater than 0.70 mg/cm² via XRF.
- The Federal Department of Housing & Urban Development (HUD) and Environmental Protection Agency (EPA) defines LBP as equal to or greater than 1.00 mg/cm² lead via XRF.
- The OSHA definition correlates to a presence or absence of lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC) and >0.01% by weight via paint chip analysis.

Synertech provided recommendations for the repair, renovation, and/or removal of lead containing materials under the various regulations (EPA, OSHA, HUD, etc.) in their report.

I. ADDITIONAL SERVICES – LEAD IN SURFACE SOIL SCREENING

Duffield advanced 10 soil borings via hand auger to 6 inches below ground surface and soils were collected from the 0-3 inch interval and 3-6 inch interval. In total 20 samples were collected. Soils were generally silty clay, some sand and gravel; dark brown, orange and red, moist, compact and cohesive soils were medium to low plasticity. Soil sample locations were biased toward areas of soil erosion and high pedestrian use. Soil samples were submitted to SGS-Acutest Laboratories and analyzed for total lead. A summary of lead results is presented in Table 2 and the SGS laboratory package is presented in Appendix I. Sample collection locations are depicted on Figure 2. Analytic results for lead ranged from 20 milligrams per kilogram (mg/kg) to 185 mg/kg, well below the U.S. EPA lead screening level for lead in bare soil of 400 mg/kg. Based on these results, Duffield recommends no further assessment of lead in the surface soils at the Property.

REFERENCES

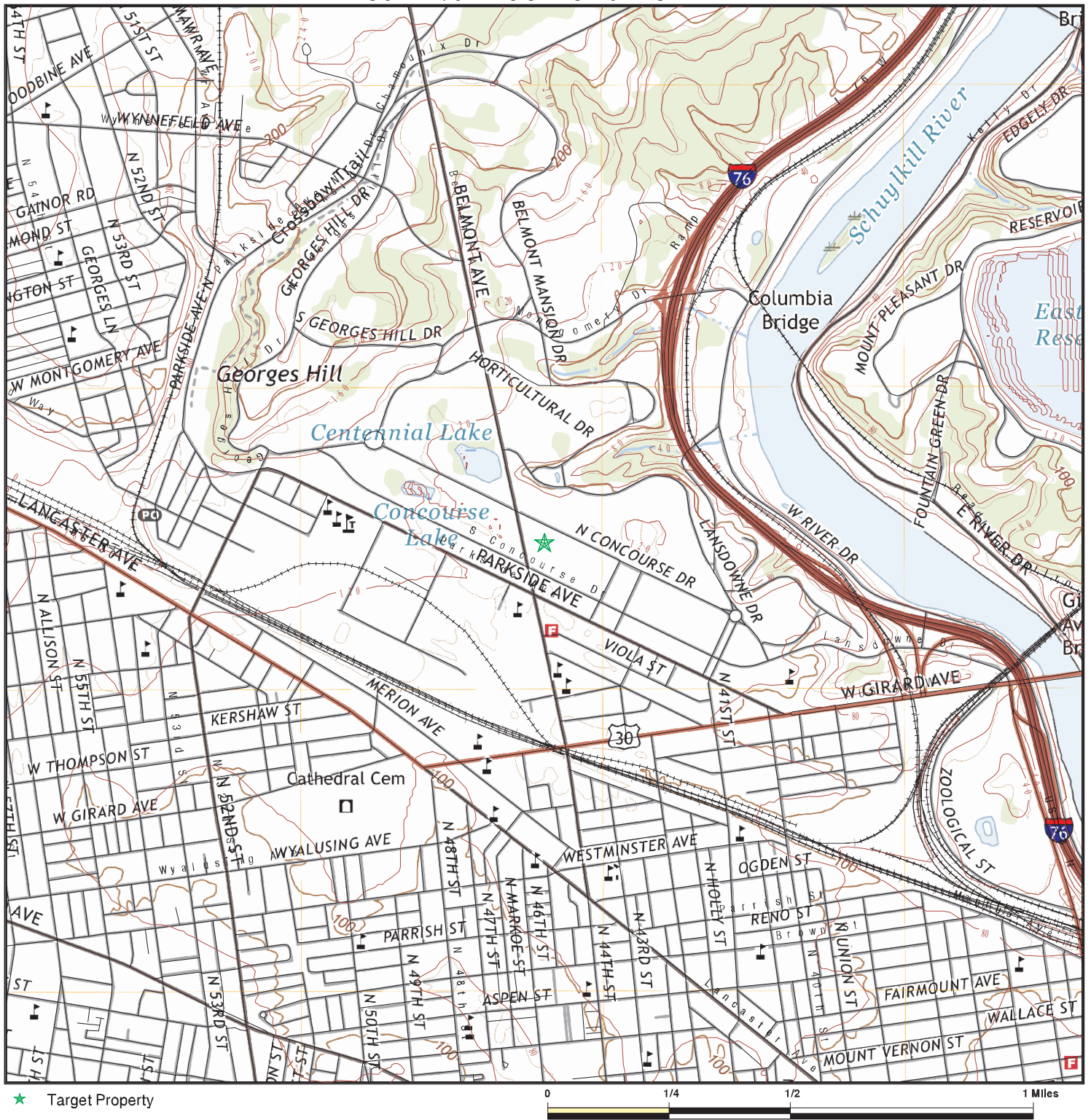
- ASTM International, 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, ASTM-E1527-13.
- PADEP, 2020. *Management of Fill*. Document No. 258-2182-773.
Pennsylvania AUL Registry. Website: <http://www.depgis.state.pa.us/pa-aul/AulMap.html?>
- Pennsylvania eFACTS. Website: <http://www.ahs.dep.pa.gov/eFACTSWeb/default.aspx>.
- EPA Envirofacts Database, Website: <https://www3.epa.gov/enviro/>
- Philadelphia GeoHistory Network. Website: <https://www.philageohistory.org/tiles/viewer/>.

- Philadelphia Property. Website: <http://property.phila.gov/>.
- Philadelphia Zoning. Website:
<http://gsg.phila.gov/map#id=c809674e3b8248ceb91814d4b20ee4e5>.

Ph1Rpt-14378-Carousel House-20211207.docx

FIGURES

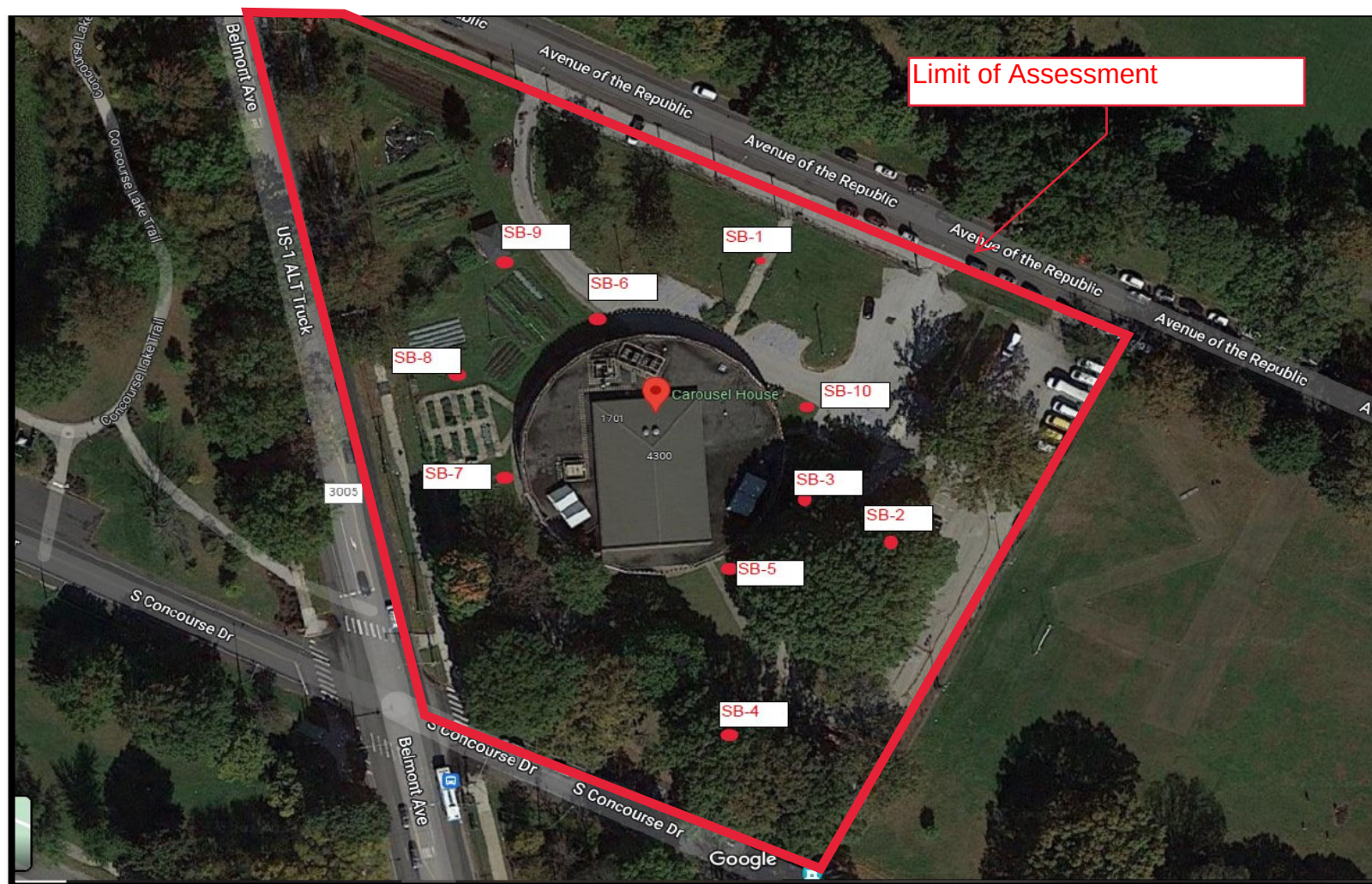
FIGURE 1 : SITE LOCATION SKETCH



★ Target Property

SITE NAME: Carousel House
 ADDRESS: 4300 Avenue of The Republic
 Philadelphia PA 19131
 LAT/LONG: 39.979285 / 75.213042

CLIENT: Verdantas, LLC
 CONTACT: Eva Gladish
 INQUIRY #: 6861978.2s
 DATE: February 16, 2022 12:51 pm



Samples Collected February 25, 2022

Figure 2 - Sample location Sketch
Carousel House
4300 Avenue of the Republic
Philadelphia, PA 19131

SB-# = Soil sample locations. Two samples per location was collected, one from 0-3 inch interval and one from 3-6 inch interval, for a total of 20 samples.

TABLES

Table 1 - Summary of Universal Hazardous Waste
 Carousel House
 4300 Avenue of the Republic
 Philadelphia, PA 19131

Material	Description	Locations	Quantity	Units	Recommendation	Notes
Pool Service Chemicals	Chlorinated pool chemicals	Pool Area	50	gallons	Reuse or dispose as appropriate	
Miscellaneous Cleaning Chemicals	Cleaning chemicals	gymnasium, utility room, mechanical room, main office	110	gallons	Reuse or dispose as appropriate	Includes storage on pallets for use elsewhere
Paint/Flammables/combustibles	Latex/oil based paints, spray paints	Utility room, Mechanical, Craft room	23	gallons	Reuse or dispose as appropriate	
Freon containing units	refrigerators, vending machines, ice machines, water coolers, freezers	Hallway, kitchen in main office, cafeteria kitchen, mechanical room	9	individual	Option 1: Reuse (remove) Option 2: Recapture and recycle Freon to be performed by an EPA certified technician, then dispose of equipment as construction debris	
Light tubes, compact fluorescent bulbs (CFL's), halogen bulbs	Square Ceiling light, Pendant Lights, Round Recessed lights, Rectangle outside lights large, Rectangle outside lights small - 4-inch (T8) and fluorescent CFL and U Bent Bulbs	Throughout	112	fixtures	Reuse or dispose as appropriate	
Ballast lights	Round fixture, tube light panel fixture, Exit signs - Potentially mercury containing	Round in gym, tube lights throughout	138	fixtures	Option 1: Reuse Option 2: Dispose as appropriate as hazardous waste	
Potential lead-acid batteries	Fire emergency lights	Throughout	11	fixtures	Reuse or dispose as appropriate	
Thermometers	Potentially mercury containing	Mechanical room	3	individual	Reuse or dispose as appropriate	
Batteries for Power Tools	Hand tool rechargable batteries	Farm Philly Storage	15	individual	Remove	Will likely be removed for use elsewhere

Table 2 - Lead-in-Soil Findings

Simple Overview of all Lead sample results:

West Fairmount Park 1769-1825, State Rte 3005, Philadelphia, PA 19131	Lead -in-Soil Analysis Type	No. of Samples	Range (low to high) mg / kg	No. of Samples > 400 mg / kg	No. of Samples > 1,200 mg / kg
Carousel House 4300 Avenue of the Republic Philadelphia, PA	XRF	0	NA	NA	NA
	Lab	20	20	0	0
Totals		20			

Summary of Lead sample results within various park locations at different excavation depths:

Carousel House 4300 Avenue of the Republic Philadelphia, PA	Lead in Soil Analysis Type	No. of Samples	Range (low to high) mg / kg	0-3 inches BGS		3-6 inches BGS		Totals	
				No. of Samples > 400 mg/kg	No. of Samples > 1,200 mg/kg	No. of Samples > 400 mg/kg	No. of Samples > 1,200 mg/kg	No. of Samples > 400 mg/kg	No. of Samples > 1,200 mg/kg
East Half of Property	XRF	0	NA	NA	NA	NA	NA	NA	NA
	Lab	10	55.2-112	0	0	0	0	0	0
West Half of Property	XRF	0	NA	NA	NA	NA	NA	NA	NA
	Lab	10	20-185	0	0	0	0	0	0
Totals									
	----	20							

Legend:

BGS = below grade surface

XRF = Hand held X – Ray Fluorescence (XRF) meter used for lead analysis - **XRF Screening was not performed**

Lab = Bench top laboratory analysis using Inductively Coupled Plasma (ICP) for lead analysis.

mg / kg (milligrams per kilogram) = ppm (parts per million); > = greater than; < = less than

A lead sample result of **400 mg / kg (400 ppm)** refers to: EPA’s established lead screening level for lead in bare soil in residential play areas. This value is for guidance only. This is neither a clean-up standard nor is it enforceable. It is a conservative estimate for a level protective of public health in residential soils based on an analysis of the direct ingestion pathway for children. EPA views soil levels less than 400 mg / kg as generally safe for residential areas.

A lead sample result of **1,200 mg / kg (1,200 ppm)** refers to: EPA’s standard for lead in bare soil for clean-up of non-play areas using federal funds.

Sources: Lead Toxicity, What are U.S. Standards for Lead Levels? Agency for Toxic Substances and Disease Registry, CDC, last reviewed and updated July 2, 2019, <https://www.atsdr.cdc.gov/csem/csem.asp?csem=34&po=8>

U.S. EPA Regional Screening Levels User’s Guide, updated May 4, 2020, <https://www.epa.gov/risk/regional-screening-levels-rsls-users-guide#lea>

Table 3 - Summary of Presumed Asbestos Containing Materials (PACM)

Carousel House - Detailed Listing of Asbestos Containing Materials				
Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Boiler Room	Internal Materials associated with Weil-McLain 94 Series Sectional Boiler (assumed asbestos containing)	6'x5'x6' high boiler	Friable; Non-Friable Category 2	Materia concealed; inaccessible
Boiler Room	Boiler Breeching Gaskets (assumed asbestos containing)	10 square feet	Non-Friable Category 1	Materia concealed; inaccessible
Art Room Entrance	Insulation inside Metal Panel associated with Storefront Window	6 square feet	Non-Friable Category 2	Materia concealed; inaccessible
Throughout	Wood and Metal Fire Doors (assumed asbestos containing)	Approximately 40 doors	Non-Friable Category 2	Materia concealed; inaccessible
Rooftop(s)	Roof field and flashing (assumed asbestos containing)	27,000 square feet	Non-Friable Category 1	not inspected
Concealed withing wall cavities and above rigid ceilings (assumed present)	Thermal System Insulation (pipe, duct, radiator, etc.)	Quantity Undetermined	Friable	Materia concealed; inaccessible

Table 4 - Summary of Lead-Based Paint Coated Materials

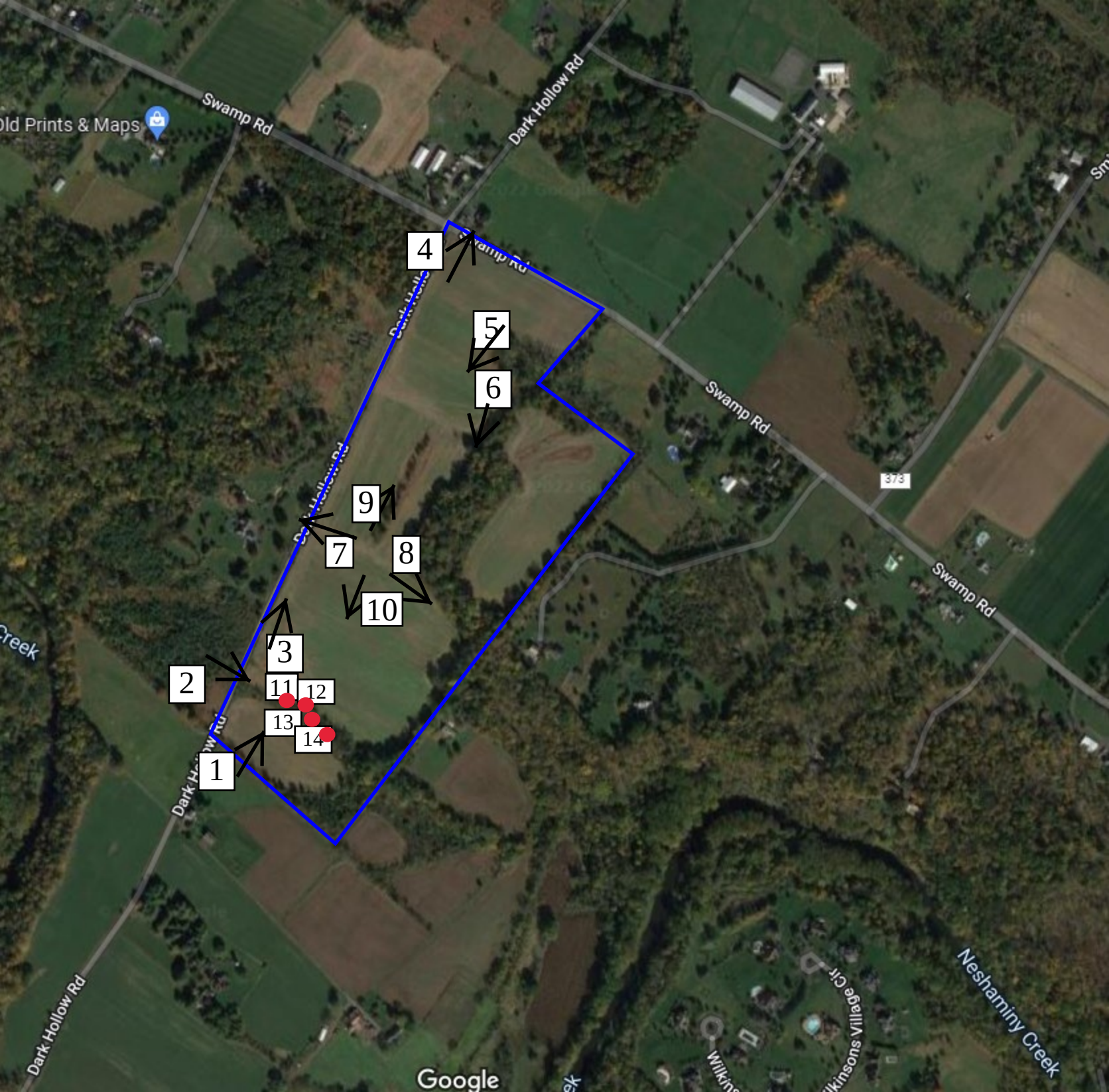
Carousel House - Detailed Listing of Positive LBP results > CoP DoH Threshold			
Location	Wall	Component	Condition
Restrooms & Utility Closets	NA	Ceramic Sinks	Damaged

Notes:

COP DoH = City of Philadelphia Department of Health

COP DoH Threshold = 0.70 cm/cm² via XRF and > 0.50% weight via paint chip analysis

PHOTOGRAPHS



Old Prints & Maps



Swamp Rd

Dark Hollow Rd

4

5

6

9

7

8

10

2

3

11

12

13

14

1

373

Swamp Rd

Creek

Dark Hollow Rd

Google

ek

Wilkins

Wilkinsons Village Cir

Neshaminy Creek



Photograph 1 – Carousel House Front Entrance, from Avenue of the Republic, facing south.



Photograph 2 – West Fairmount Park from parking lot facing north.



Photograph 3 – Concourse Lake, west of the Property facing east.



Photograph 4 – Facing south toward residential and commercial areas.



Photograph 5 – From the Property facing east toward athletic fields.



Photograph 6 – Playground on the Property, located in the southeast corner.



Photograph 7 – Main office area with a kitchen, bathrooms and closets.



Photograph 8 – Farm Philly office/storage area, access from main office



Photograph 9 – Craft room with paints, spray paints, ceramics and various craft items.



Photograph 10 – Media room with stage, storage closet with recreation equipment in back.



Photograph 11 – Pool area with an office, utility rooms, chemical storage and bathrooms.



Photograph 12 – Pool chemicals in room adjacent to utility room in pool area.



Photograph 13 – Pool chemicals in storage closet in hallway in pool area.



Photograph 14 – Mechanical room with boilers, HVAC, transformers and control panels.



Photograph 15 – Thermometers monitoring pipes in mechanical room.



Photograph 16 – Gymnasium with bulk storage items, including food, books and cleaners.



Photograph 17 – Control panel in gymnasium



Photograph 18 – Bulk storage in gymnasium including cleaners and recreation equipment.

APPENDIX A

TAX PARCEL INFORMATION

Appendix A – Tax Parcel Information

No Information Available

APPENDIX B

SCOPE OF SERVICES

SCOPE OF SERVICES

1. **User Information.** Collect information from the User. The User is the entity that engaged Duffield Associates to perform the Phase I ESA. Standard items requested from the User are the following:
 - Any information regarding environmental liens, deed restrictions, activity and use limitations, or covenants filed or recorded under Federal, State, or local law, if available.
 - Access to the Property by arrangement with the appropriate parties, including building interiors.
 - A site drawing indicating the extent of the area to be evaluated, if one is available.
 - Current property owner's contact information.
 - Current site operator's contact information (if different than owner).
 - Environmental reports in your possession.
 - A completed User Questionnaire Form (provided by Duffield Associates).
2. **Property Interviews.** Seek interviews with the current owners and occupants. In the case of multiple occupants, we will seek to interview the major occupants and those likely, in our opinion, to have environmental issues. Interviews with at least one of the following will also be sought: current or past facility manager; past owners, occupants, or operators; or employees of current and past occupants. For certain abandoned properties, interviews may be sought from one or more owners or occupants of neighboring properties. A reasonable attempt will be made to perform interviews during the site reconnaissance or by telephone. Documents regarding current and past environmental conditions will be sought during these interviews.
3. **Historical Sources.** Search for up to two historical sources, usually aerial photographic records and historical fire insurance or topographic maps. Review of aerial photographs will constitute a visual inspection of the Property and adjoining properties. If available, the historical data will help us evaluate the likelihood that past usage of the Property and the surrounding area may have led to RECs. A database subcontractor will search for historical maps and provide copies of the available maps.
4. **Government Records.** Review information supplied by a database subcontractor gathered from State and Federal environmental regulatory agency databases for the Property and surrounding area. Search radii will be those of ASTM International's Standard Practice E1527-13. If the Property or the adjoining properties are identified on one or more of the standard environmental record sources, pertinent regulatory files and/or records associated with the listing may need to be reviewed through a Freedom of Information Act (FOIA) request to assist the Environmental Professional in evaluation of whether a REC exist in connection with the listing. Review of agency files, where a FOIA request is required, may require your concurrence and additional time.

5. **Government Interviews.** Interview local, State, or Federal government officials, at Duffield Associates' discretion, if the Property is listed on the reviewed government records. The purpose of such interviews would be to discuss RECs and the current regulatory status of those conditions. In some cases, the reviewed records may be sufficient to render interviews unnecessary or unproductive, in our opinion. In such cases, interviews would not be conducted.
6. **Physical Setting.** Review a United States Geological Survey topographic map (or equivalent) to help evaluate probable drainage patterns and potential for historic off-site activities to affect environmental conditions on the Property.
7. **Site Reconnaissance.** Visually review the outdoor portions of the Property, to the extent not obstructed by adjacent buildings or other obstacles, with the intent of identifying readily observable potential RECs. Adjoining properties will also be observed from property lines and public access points. If buildings are present, Duffield Associates will conduct a visual review of a representative number of rooms in the interior of on-site structures, including apparent maintenance rooms, utility rooms, or storage areas, for indications of hazardous substance use, petroleum use, and pathways by which such materials could enter the environment exterior to the buildings.
8. **Additional Services.** For this project, a Universal Hazardous Waste Survey (UHW) and Lead in Soil Testing will be conducted. The UHW will be conducted at the same time as the site reconnaissance and observed UHW's will be tabulated and the quantity estimated. For the Lead in Soil Survey, up to 10 locations and 20 samples will be collected and analyzed for total lead. Samples will be collected in areas surrounding the building and biased toward areas of obvious erosion, such as unpaved pathways. Two samples per location will be collected, one from 0-3 inches and the second from 3-6 inches. Samples will be submitted to SGS labs for analysis of Total Lead by EPA SW-486 Method 6010D.
9. **Verbal Report.** Contact you following completion of the field work to discuss our findings and/or notify you of conditions that, in our opinion, may warrant further evaluation or exploration.
10. **Written Report.** Prepare a final report summarizing the information gathered during the Phase I ESA described above, and our conclusions and recommendations regarding indicated environmental conditions at the Property. The organization of the report will be based on the ASTM International recommended format (E1527-13). An electronic copy of the report will be provided by email. No hardcopy is anticipated.

APPENDIX C

USER QUESTIONNAIRE

USER QUESTIONNAIRE

Phase I Environmental Site Assessment

Date: 3/2/22

Name of person providing information: Daniel Harkins

Company the User Represents: City of Philadelphia

Parties that intend to rely on the results of the Phase I Environmental Site Assessment are known as the “Users” and must provide the following information, if they are aware of it. Your response should represent the current collective knowledge of the parties relying on the Phase I Environmental Site Assessment.

1. Environmental cleanup liens.

- Did a search of recorded land titles records identify any environmental liens filed or recorded against the Property?

No land title search has been conducted that I am aware of.

2. Activity and land use limitations.

- Did a search of recorded land title records identify any activity or use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the Property or have been filed and/or recorded against the Property?

No land title search has been conducted that I am aware of.

3. Specialized knowledge or experience.

- Do you have any specialized knowledge or experience related to the Property or nearby properties? For example, are you involved in the same line of business?

No, I do not have any specialized knowledge related to the Property.

4. Relationship of the purchase price to the fair market value of the Property.

- Does the purchase price being paid for the Property reasonably reflect the fair market value of the Property?

The City is not purchasing this property.

- If not, is there a lower purchase price because the Property is or may be contaminated?

5. Commonly known information about the Property.

Are you aware of information about the Property that would help identify releases or threatened releases? For example:

- Do you know the past uses of the Property?

No

- Do you know specific chemicals that are or were present at the Property?

No

- Do you know of any spills that have taken place at the Property?

No

- Do you know of any environmental cleanups that have taken place at the Property?

No

USER QUESTIONNAIRE (CONTINUED)

6. Obvious or likely contamination at the Property.

- Based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of releases at the Property?

No, I am not aware of any indicators of a release on the Property.

APPENDIX D

RADIUS MAP REPORT

Carousel House

4300 Avenue of The Republic
Philadelphia, PA 19131

Inquiry Number: 6861978.2s
February 16, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4300 AVENUE OF THE REPUBLIC
PHILADELPHIA, PA 19131

COORDINATES

Latitude (North):	39.9792850 - 39° 58' 45.42"
Longitude (West):	75.2130420 - 75° 12' 46.95"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	481808.8
UTM Y (Meters):	4425270.0
Elevation:	113 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14072064 PHILADELPHIA, PA
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150816
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
4300 AVENUE OF THE REPUBLIC
PHILADELPHIA, PA 19104

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	STRAWBERRY MANSION B	FAIRMOUNT PARK	SEMS-ARCHIVE	Lower	275, 0.052, ENE
A2	CLEAN HARBORS - 1ST	4800 PARKSIDE AVENUE	MANIFEST	Higher	603, 0.114, SW
A3	PHILDELPHIA CITY HIG	4800 PARKSIDE AVENUE	MANIFEST	Higher	603, 0.114, SW
A4	STREETS SITE 050	4804-48 PARKSIDE AVE	UST	Higher	617, 0.117, SW
5	PENNSYLVANIA TRUCK L	49TH ST & PARKSIDE A	RCRA NonGen / NLR	Higher	1066, 0.202, West
6	4913-38 PARKSIDE AVE	4913-38 PARKSIDE AVE	US BROWNFIELDS, FINDS	Higher	1203, 0.228, West
7	WADE CABLEVISION	4914-38 PARKSIDE AVE	ARCHIVE UST	Higher	1279, 0.242, West
8	BUTTS RES	4224 VIOLA ST	UNREG LTANKS	Higher	1427, 0.270, SSE
9	FORMER DRY CLEANING	4944 PARKSIDE AVE	LUST, ARCHIVE UST	Higher	1490, 0.282, West
10	1700 N 49TH ST COMCA	1700 N 49TH ST	VCP	Higher	1527, 0.289, WSW
11	JG HOOK	1300 BELMONT AVE	LUST, ARCHIVE UST	Higher	1570, 0.297, South
12	4801 WEST JEFFERSON	4801 WEST JEFFERSON	US BROWNFIELDS	Higher	1646, 0.312, SW
B13	NORTH 49TH ST	1700 N 49TH ST	LUST	Higher	1836, 0.348, SW
B14	WEST PARKSIDE INDUST	NW CORNER OF 49TH AN	US BROWNFIELDS, FINDS	Higher	1876, 0.355, SW
15	ATLANTIC SVC STA	1201 BELMONT AVE	LUST, RCRA NonGen / NLR, FINDS, ECHO	Higher	2109, 0.399, South
16	4108-4120 PARKSIDE A	4108-4120 PARKSIDE &	UNREG LTANKS	Lower	2157, 0.409, SE
17	1825-41 NORTH 5TH ST	1825-41 NORTH 5TH ST	US BROWNFIELDS, FINDS	Lower	2278, 0.431, ESE
C18	MERCY DOUGLASS CTR	4400 W GIRARD AVE	UNREG LTANKS	Higher	2346, 0.444, South
C19	MERCY DOUGLAS HUMAN	4400 W GIRARD AVE	LUST, ARCHIVE UST	Higher	2346, 0.444, South
20	LAUREL LINEN SVC INC	4601 W GIRARD AVE	LUST, ARCHIVE AST, AIRS	Lower	2348, 0.445, SSW
21	PHILA BUS & TECH CTR	5070 PARKSIDE AVE ST	AUL	Higher	2365, 0.448, WNW
22	STEPHEN SMITH TOWERS	1030 BELMONT AVE	UNREG LTANKS	Higher	2468, 0.467, South
D23	CONRAIL MERION AVE S	4965 MERION AVE	ACT 2-DEED	Higher	2638, 0.500, WSW
D24	CONRAIL MERION AVE S	4965 MERION AVE	UNREG LTANKS, VCP	Higher	2638, 0.500, WSW
25	FAIRMONT PARK BARRAC		FUDS	Higher	4130, 0.782, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

Lists of state- and tribal (Superfund) equivalent sites

SHWS..... Hazardous Sites Cleanup Act Site List
HSCA..... HSCA Remedial Sites Listing

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Operating Facilities

Lists of state and tribal leaking storage tanks

LAST..... Storage Tank Release Sites
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
AST..... Listing of Pennsylvania Regulated Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing
INST CONTROL..... Institutional Controls Site Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Abandoned Landfill Inventory
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
US CDL..... National Clandestine Laboratory Register
PFAS..... Sites With Known PFAS Contamination

Local Lists of Registered Storage Tanks

ARCHIVE AST..... Archived Aboveground Storage Tank Sites

Local Land Records

LIENS 2..... CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... State spills

Other Ascertainable Records

DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Permit and Emissions Inventory Data
ASBESTOS..... ASBESTOS
DRYCLEANERS..... Drycleaner Facility Locations
MINES..... MINES
NPDES..... NPDES Permit Listing
UIC..... Underground Injection Wells
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List
RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates 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 the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STRAWBERRY MANSION B Site ID: 0305583 EPA Id: PAN000305583	FAIRMOUNT PARK	ENE 0 - 1/8 (0.052 mi.)	1	8

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection List of Confirmed Releases.

A review of the LUST list, as provided by EDR, and dated 09/07/2021 has revealed that there are 6 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER DRY CLEANING Facility Id: 691328	4944 PARKSIDE AVE	W 1/4 - 1/2 (0.282 mi.)	9	23
JG HOOK Facility Id: 609700	1300 BELMONT AVE	S 1/4 - 1/2 (0.297 mi.)	11	27
NORTH 49TH ST Facility Id: 716135	1700 N 49TH ST	SW 1/4 - 1/2 (0.348 mi.)	B13	36
ATLANTIC SVC STA Facility Id: 608718	1201 BELMONT AVE	S 1/4 - 1/2 (0.399 mi.)	15	49
MERCY DOUGLAS HUMAN Facility Id: 608675	4400 W GIRARD AVE	S 1/4 - 1/2 (0.444 mi.)	C19	60
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAUREL LINEN SVC INC Facility Id: 609728	4601 W GIRARD AVE	SSW 1/4 - 1/2 (0.445 mi.)	20	61

UNREG LTANKS: Leaking storage tank cases from unregulated storage tanks.

A review of the UNREG LTANKS list, as provided by EDR, and dated 04/12/2002 has revealed that there are 5 UNREG LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BUTTS RES	4224 VIOLA ST	SSE 1/4 - 1/2 (0.270 mi.)	8	22
MERCY DOUGLASS CTR Closed: 1/23/1995	4400 W GIRARD AVE	S 1/4 - 1/2 (0.444 mi.)	C18	59
STEPHEN SMITH TOWERS	1030 BELMONT AVE	S 1/4 - 1/2 (0.467 mi.)	22	65
CONRAIL MERION AVE S	4965 MERION AVE	WSW 1/4 - 1/2 (0.500 mi.)	D24	66
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
4108-4120 PARKSIDE A	4108-4120 PARKSIDE &	SE 1/4 - 1/2 (0.409 mi.)	16	56

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Resources' Regulated Underground Storage Tank Listing.

A review of the UST list, as provided by EDR, and dated 09/01/2021 has revealed that there is 1 UST

EXECUTIVE SUMMARY

site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STREETS SITE 050 Site ID: 586675 Tank Status: Currently In Use	4804-48 PARKSIDE AVE	SW 0 - 1/8 (0.117 mi.)	A4	15

State and tribal institutional control / engineering control registries

AUL: A listing of sites with environmental covenants.

A review of the AUL list, as provided by EDR, and dated 10/11/2021 has revealed that there is 1 AUL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PHILA BUS & TECH CTR Facility Id: 619196	5070 PARKSIDE AVE ST	WNW 1/4 - 1/2 (0.448 mi.)	21	65

Lists of state and tribal voluntary cleanup sites

VCP: The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

A review of the VCP list, as provided by EDR, and dated 10/04/2021 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1700 N 49TH ST COMCA Activity ID: 816258	1700 N 49TH ST	WSW 1/4 - 1/2 (0.289 mi.)	10	25
CONRAIL MERION AVE S Activity ID: 619145	4965 MERION AVE	WSW 1/4 - 1/2 (0.500 mi.)	D24	66

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2021 has revealed that there are 4 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
4913-38 PARKSIDE AVE	4913-38 PARKSIDE AVE	W 1/8 - 1/4 (0.228 mi.)	6	19

EXECUTIVE SUMMARY

ACRES property ID: 29922
Cleanup Completion Date: -

4801 WEST JEFFERSON	4801 WEST JEFFERSON	SW 1/4 - 1/2 (0.312 mi.)	12	30
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ACRES property ID: 238329
Cleanup Completion Date: -

WEST PARKSIDE INDUST	NW CORNER OF 49TH AN	SW 1/4 - 1/2 (0.355 mi.)	B14	46
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ACRES property ID: 81003
Cleanup Completion Date: -

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
1825-41 NORTH 5TH ST	1825-41 NORTH 5TH ST	ESE 1/4 - 1/2 (0.431 mi.)	17	57

ACRES property ID: 13319
Cleanup Completion Date: -

Local Lists of Registered Storage Tanks

ARCHIVE UST: The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

A review of the ARCHIVE UST list, as provided by EDR, and dated 09/01/2021 has revealed that there is 1 ARCHIVE UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WADE CABLEVISION Status: Exempt From State Law Facility Id: 51-45098 Site ID: 587816	4914-38 PARKSIDE AVE	W 1/8 - 1/4 (0.242 mi.)	7	22

Local Land Records

ACT 2-DEED: This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

A review of the ACT 2-DEED list, as provided by EDR, and dated 04/23/2010 has revealed that there is 1 ACT 2-DEED site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONRAIL MERION AVE S	4965 MERION AVE	WSW 1/4 - 1/2 (0.500 mi.)	D23	66

EXECUTIVE SUMMARY

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PENNSYLVANIA TRUCK L EPA ID:: PAD007916182	49TH ST & PARKSIDE A	W 1/8 - 1/4 (0.202 mi.)	5	15

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 10/26/2021 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FAIRMONT PARK BARRAC		NNW 1/2 - 1 (0.782 mi.)	25	67

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 MANIFEST sites within approximately 0.25 miles of the target property.

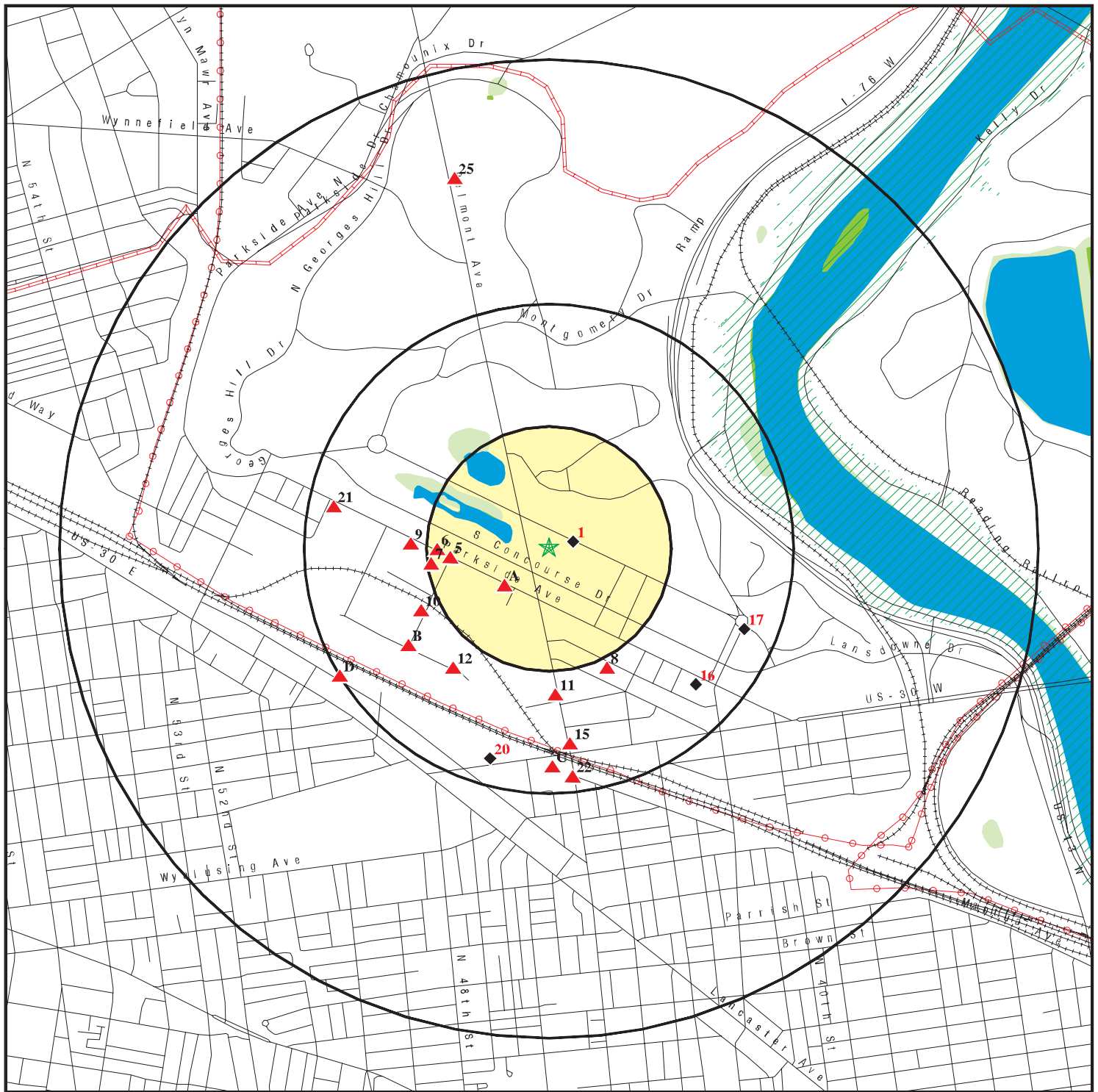
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CLEAN HARBORS - 1ST Generator EPA Id: PADEP0017737 Generator EPA Id: PADEP0019057 Generator EPA Id: PADEP0021349 Generator EPA Id: PADEP0021825	4800 PARKSIDE AVENUE	SW 0 - 1/8 (0.114 mi.)	A2	9
PHILDELPHIA CITY HIG Generator EPA Id: PADEP0014912	4800 PARKSIDE AVENUE	SW 0 - 1/8 (0.114 mi.)	A3	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

<u>Site Name</u>	<u>Database(s)</u>
MASLAND DURALEATHER COMPANY	PRP
SUNOCO 0004 7845	LUST, AUL
CERTIFIED CONCRETE	SEMS-ARCHIVE
SEPTA SITE	SEMS-ARCHIVE
AMER RED CROSS	UNREG LTANKS
FIRE SITE 147	LUST

OVERVIEW MAP - 6861978.2S



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Power transmission lines

■ Pipelines

■ Special Flood Hazard Area (1%)

■ 0.2% Annual Chance Flood Hazard

■ National Wetland Inventory

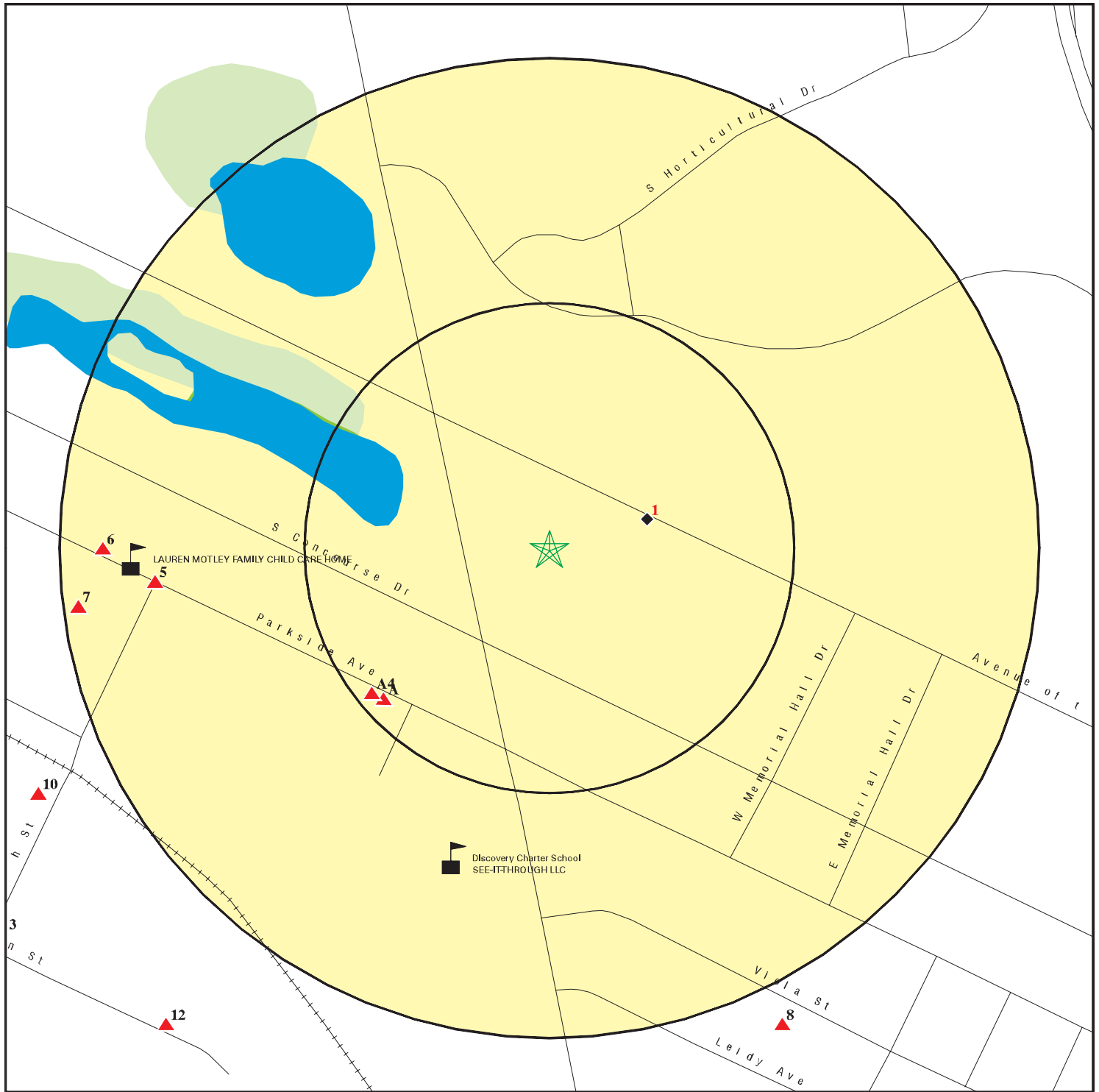
■ State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Carousel House
ADDRESS: 4300 Avenue of The Republic
Philadelphia PA 19131
LAT/LONG: 39.979285 / 75.213042

CLIENT: Verdantas, LLC
CONTACT: Eva Gladish
INQUIRY #: 6861978.2s
DATE: February 16, 2022 12:51 pm

DETAIL MAP - 6861978.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚙ Sensitive Receptors
- ⚙ National Priority List Sites
- ⚙ Dept. Defense Sites

- Indian Reservations BIA
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Carousel House
 ADDRESS: 4300 Avenue of The Republic
 Philadelphia PA 19131
 LAT/LONG: 39.979285 / 75.213042

CLIENT: Verdantas, LLC
 CONTACT: Eva Gladish
 INQUIRY #: 6861978.2s
 DATE: February 16, 2022 12:54 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		1	0	0	NR	NR	1
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
SHWS	1.000		0	0	0	0	NR	0
HSCA	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LAST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST	0.500		0	0	6	NR	NR	6
INDIAN LUST	0.500		0	0	0	NR	NR	0
UNREG LTANKS	0.500		0	0	5	NR	NR	5
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	1	NR	NR	1
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	2	NR	NR	2
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	1	3	NR	NR	4
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
ARCHIVE UST	0.250		0	1	NR	NR	NR	1
ARCHIVE AST	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
ACT 2-DEED	0.500		0	0	1	NR	NR	1
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		2	0	NR	NR	NR	2
MINES	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	3	18	1	0	26

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
ENE
< 1/8
0.052 mi.
275 ft.

STRAWBERRY MANSION BRIDGE LEAD RELEASE
FAIRMOUNT PARK
PHILADELPHIA, PA 19131

SEMS-ARCHIVE **1003072952**
PAN000305583

Relative:
Lower

SEMS Archive:

Actual:
110 ft.

Site ID: 0305583
EPA ID: PAN000305583
Name: STRAWBERRY MANSION BRIDGE LEAD RELEASE
Address: FAIRMOUNT PARK
Address 2: KELLY DRIVE AT STRWBRY MANSION BRIDGE
City,State,Zip: PHILADELPHIA, PA 19131
Cong District: 02
FIPS Code: 42101
FF: N
NPL: Not on the NPL
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region: 03
Site ID: 0305583
EPA ID: PAN000305583
Site Name: STRAWBERRY MANSION BRIDGE LEAD RELEASE
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2013-09-06 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 03
Site ID: 0305583
EPA ID: PAN000305583
Site Name: STRAWBERRY MANSION BRIDGE LEAD RELEASE
NPL: N
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 1
Start Date: 2000-07-07 04:00:00
Finish Date: 2000-07-07 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 03
Site ID: 0305583
EPA ID: PAN000305583
Site Name: STRAWBERRY MANSION BRIDGE LEAD RELEASE
NPL: N
FF: N
OU: 00
Action Code: PJ
Action Name: RP EM REM
SEQ: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STRAWBERRY MANSION BRIDGE LEAD RELEASE (Continued)

1003072952

Start Date: 2000-07-07 04:00:00
Finish Date: 2000-07-07 04:00:00
Qual: C
Current Action Lead: EPA Ovrsght

**A2
SW
< 1/8
0.114 mi.
603 ft.**

**CLEAN HARBORS - 1ST DISTRICT HIGHWAY YARD
4800 PARKSIDE AVENUE
PHILADELPHIA, PA 19403**

**MANIFEST S116736659
N/A**

Site 1 of 3 in cluster A

**Relative:
Higher**

Manifest Details:

**Actual:
120 ft.**

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 400
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLEAN HARBORS - 1ST DISTRICT HIGHWAY YARD (Continued)

S116736659

Waste Number: D006
Container Number: 1
Container Type: Portable tanks
Waste Quantity: 800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D001
Container Number: 3
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 1500
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D005
Container Number: 3
Container Type: Fiber or plastic boxes, cartons, cases

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLEAN HARBORS - 1ST DISTRICT HIGHWAY YARD (Continued)

S116736659

Waste Quantity: 1500
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D006
Container Number: 3
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 1500
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 3
Waste Number: D007
Container Number: 3
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 1500
Unit: Pounds
Handling Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLEAN HARBORS - 1ST DISTRICT HIGHWAY YARD (Continued)

S116736659

TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D005
Container Number: 1
Container Type: Portable tanks
Waste Quantity: 800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D007
Container Number: 1
Container Type: Portable tanks
Waste Quantity: 800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CLEAN HARBORS - 1ST DISTRICT HIGHWAY YARD (Continued)

S116736659

Year: 2017
Manifest Number: 011023008FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021825
Generator Date: 05/13/2017
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 2
Waste Number: D001
Container Number: 1
Container Type: Portable tanks
Waste Quantity: 800
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

Year: 2015
Manifest Number: 008350307FLE
Manifest Type: TSD Copy
Generator EPA Id: PADEP0021349
Generator Date: 05/16/2015
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: Not reported
TSD Date: Not reported
TSD Facility Name: Clean Harbors El Dorado LLC
TSD Facility Address: 309 American Circle
TSD Facility City: El Dorado
TSD Facility State: AR
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Fiber or plastic boxes, cartons, cases
Waste Quantity: 450
Unit: Pounds
Handling Code: Not reported
TSP EPA Id: ARD069748192
Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access
20 additional PA_MANIFEST: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
SW
< 1/8
0.114 mi.
603 ft.
Site 2 of 3 in cluster A

MANIFEST **S112069977**
N/A

Relative:
Higher

Actual:
120 ft.

Manifest Details:

Year: 2011
Manifest Number: 000851456JJK
Manifest Type: TSD Copy
Generator EPA Id: PADEP0014912
Generator Date: 06/06/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: TXD055141378
TSD Date: Not reported
TSD Facility Name: CLEAN HARBORS DEER PARK LLC
TSD Facility Address: 2027 BATTLEGROUND RD
TSD Facility City: LA PORTE
TSD Facility State: TX
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D018
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 192
Unit: Kilograms
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2011
Manifest Number: 000851456JJK
Manifest Type: TSD Copy
Generator EPA Id: PADEP0014912
Generator Date: 06/06/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: TXD055141378
TSD Date: Not reported
TSD Facility Name: CLEAN HARBORS DEER PARK LLC
TSD Facility Address: 2027 BATTLEGROUND RD
TSD Facility City: LA PORTE
TSD Facility State: TX
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 1
Container Type: Metal drums, barrels, kegs
Waste Quantity: 192
Unit: Kilograms
Handling Code: Not reported
TSP EPA Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PHILADELPHIA CITY HIGHWAY YARD (Continued)

S112069977

Date TSP Sig: Not reported

A4
SW
< 1/8
0.117 mi.
617 ft.

STREETS SITE 050
4804-48 PARKSIDE AVE
PHILADELPHIA, PA 19131

UST U001098995
N/A

Site 3 of 3 in cluster A

Relative:
Higher
Actual:
120 ft.

UST:
Name: STREETS SITE 050
Address: 4804-48 PARKSIDE AVE
City,State,Zip: PHILADELPHIA, PA 19131
Site ID: 586675
Other Id: 51-20206
Client Id Number: 189302
Municipality Name: Philadelphia
Region: EP SE Rgnl Off Norristown
Mailing Name: PHILA CITY PHILA CNTY
Mailing Address: 100 S BROAD ST FL 3
Mailing Address 2: Not reported
Mailing City,St,Zip: PHILADELPHIA, PA 19110
Registration Expiration Date: 02/04/2022

Tank Seq No: 1
Tank Status: **Currently In Use**
Capacity: 2000
Substance: Diesel Fuel
Date Installed: 06/01/1987
Tank Code: UST
Inspection Code: Facility Operation Inspection
Tank Last Dt Inspected: 03/12/2019
Decode for Tstatus: Currently In Use
Decode for Substance: Diesel Fuel

5
West
1/8-1/4
0.202 mi.
1066 ft.

PENNSYLVANIA TRUCK LINES INC
49TH ST & PARKSIDE AVE
PHILADELPHIA, PA 19131

RCRA NonGen / NLR 1000321267
PAD007916182

Relative:
Higher
Actual:
120 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20010212
Handler Name: PENNSYLVANIA TRUCK LINES INC
Handler Address: 49TH ST & PARKSIDE AVE
Handler City,State,Zip: PHILADELPHIA, PA 19131
EPA ID: PAD007916182
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 03
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNSYLVANIA TRUCK LINES INC (Continued)

1000321267

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	PA
State District:	1
Mailing Address:	P O BOX 8116
Mailing City,State,Zip:	PHILADELPHIA, PA 19101
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	OPERNAME
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNSYLVANIA TRUCK LINES INC (Continued)

1000321267

Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20010810
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: NONE
Waste Description: Not Defined

Handler - Owner Operator:

Owner/Operator Indicator: Owner
Owner/Operator Name: CONSOLIDATED RAIL CORPORATION
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OWNERSTREET
Owner/Operator City,State,Zip: OWNERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OPERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OPERSTREET
Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20010212
Handler Name: PENNSYLVANIA TRUCK LINES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800804

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNSYLVANIA TRUCK LINES INC (Continued)

1000321267

Handler Name: PENNSYLVANIA TRUCK LINES INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: PA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20010212

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PENNSYLVANIA TRUCK LINES INC (Continued)

1000321267

Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MMR
Evaluation Responsible Sub-Organization:	WM
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

6
West
1/8-1/4
0.228 mi.
1203 ft.

4913-38 PARKSIDE AVENUE
4913-38 PARKSIDE AVENUE
PHILADELPHIA, PA 19131

US BROWNFIELDS
FINDS
1023618848
N/A

Relative:
Higher

US BROWNFIELDS:

Actual:
120 ft.

Name:	4913-38 PARKSIDE AVENUE
Address:	4913-38 PARKSIDE AVENUE
City,State,Zip:	PHILADELPHIA, PA 19131
Recipient Name:	Philadelphia City Planning Commission
Grant Type:	Assessment
Property Number:	-
Parcel size:	0
Latitude:	39.979351
Longitude:	-75.21724
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	-
Datum:	-
Acres Property ID:	29922
IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99327201
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4913-38 PARKSIDE AVENUE (Continued)

1023618848

Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contaminants found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4913-38 PARKSIDE AVENUE (Continued)

1023618848

Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	895
Below Poverty Percent:	44.68
Meidan Income:	9100
Meidan Income Number:	1320
Meidan Income Percent:	65.9
Vacant Housing Number:	515
Vacant Housing Percent:	37.5
Unemployed Number:	181
Unemployed Percent:	9.04

FINDS:

Registry ID: 110061009073

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7
West
1/8-1/4
0.242 mi.
1279 ft.

WADE CABLEVISION
4914-38 PARKSIDE AVE
PHILADELPHIA, PA 19131

ARCHIVE UST **U002221579**
N/A

Relative:
Higher

Actual:
122 ft.

ARCHIVE UST:

Name: WADE CABLEVISION
Address: 4914-38 PARKSIDE AVE
City,State,Zip: PHILADELPHIA 19131
Facility Id: 51-45098
Site ID: 587816
Municipality: Philadelphia City
Client Date: 176828
Owner Id: Not reported
Owner Name: WADE COMMUNICATIONS PARTNERSHIP
Owner Address: 6 WIERK AVE
Owner Address 2: CABLEVISION CTR
Owner City,St,Zip: LIBERTY, NY 12754
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: WADE COMMUNICATIONS PARTNERSHIP
RP Address: 6 WIERK AVE
RP Address 2: Not reported
RP City,St,Zip: LIBERTY, NY 12754
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 706646
Status: Exempt From State Law
Status Code End Date: Not reported
Capacity: 15000
Substance: HO
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 176828
Chemical Name: WADE COMMUNICATIONS PARTNERSHIP
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

8
SSE
1/4-1/2
0.270 mi.
1427 ft.

BUTTS RES
4224 VIOLA ST
PHILADELPHIA, PA

UNREG LTANKS **S105919487**
N/A

Relative:
Higher

Actual:
114 ft.

UNREG LTANKS:

Region: South East
Contaminant: FUEL OIL #2
Closed: Not reported
Class: Cleanup of Tanks using authorities other than Act 32

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

9
West
1/4-1/2
0.282 mi.
1490 ft.

FORMER DRY CLEANING FAC
4944 PARKSIDE AVE
PHILADELPHIA, PA 19131

LUST **U004110303**
ARCHIVE UST **N/A**

Relative:
Higher

Actual:
122 ft.

LUST:

Name: FORMER DRY CLEANING FAC
Address: 4944 PARKSIDE AVE
City,State,Zip: PHILADELPHIA, PA 19131
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 691328
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/02/2009
Confirmed Date: 04/19/2007
Program Other Id: 51-39524
Client: PARKSIDE PARTNERS
Incident Id: 37748
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Not reported
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.979612
Longitude: -75.218471

Name: FORMER DRY CLEANING FAC
Address: 4944 PARKSIDE AVE
City,State,Zip: PHILADELPHIA, PA 19131
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 691328
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/02/2009
Confirmed Date: 04/19/2007
Program Other Id: 51-39524
Client: PARKSIDE PARTNERS
Incident Id: 37748
Incident Desc: NOC
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Other Organics
CAS RN: Not reported
Chemical: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANING FAC (Continued)

U004110303

Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.979612
Longitude: -75.218471

ARCHIVE UST:

Name: FORMER DRY CLEANING FAC
Address: 4944 PARKSIDE AVE
City,State,Zip: PHILADELPHIA 19131
Facility Id: 51-39524
Site ID: 686626
Municipality: Philadelphia City
Client Date: 265826
Owner Id: Not reported
Owner Name: PARKSIDE PARTNERS
Owner Address: PO BOX 495
Owner Address 2: Not reported
Owner City,St,Zip: DRESHER, PA 19025-0495
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: PARKSIDE PARTNERS
RP Address: PO BOX 495
RP Address 2: Not reported
RP City,St,Zip: DRESHER, PA 19025-0495
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001
Tank Id: 941486
Status: Permanently Closed in Place
Status Code End Date: Not reported
Capacity: 5000
Substance: HZSUB
Tank Substance End Date: Not reported
Install Date: 01/01/1967
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 265826
Chemical Name: PARKSIDE PARTNERS
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: ANDY ARONOW
Company: Not reported

Tank Sequence #: 002
Tank Id: 941487
Status: Permanently Closed in Place
Status Code End Date: Not reported
Capacity: 1000
Substance: HZSUB
Tank Substance End Date: Not reported
Install Date: 01/01/1967
Tank Code: UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORMER DRY CLEANING FAC (Continued)

U004110303

Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	265826
Chemical Name:	PARKSIDE PARTNERS
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	ANDY ARONOW
Company:	Not reported
Tank Sequence #:	003
Tank Id:	941488
Status:	Permanently Closed in Place
Status Code End Date:	Not reported
Capacity:	1000
Substance:	HZSUB
Tank Substance End Date:	Not reported
Install Date:	01/01/1967
Tank Code:	UST
Inspection Code:	Not reported
Last Inspection:	Not reported
Substance Type:	Not reported
CASRN for Hazardous Substances:	265826
Chemical Name:	PARKSIDE PARTNERS
Other Information Regarding The Tank Substance:	Not reported
Undeliverable Address Ind.:	N
Contact Name:	ANDY ARONOW
Company:	Not reported

10
WSW
1/4-1/2
0.289 mi.
1527 ft.

1700 N 49TH ST COMCAST
1700 N 49TH ST
PHILADELPHIA, PA 19131

VCP S120840566
N/A

Relative:
Higher

VCP:
Name: 1700 N 49TH ST COMCAST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131

Actual:
118 ft.

Cleanup Records:
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Site In Progress
LRP Activity Number: 50207
Remediation: Site-Specific Standard
Activity: Not reported
Date Approved: Not reported
Date Received: 02/21/2014
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.978444000000003
Longitude: -75.218275000000006

Name: 1700 N 49TH ST COMCAST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1700 N 49TH ST COMCAST (Continued)

S120840566

Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Site In Progress
LRP Activity Number: 50208
Remediation: Statewide Health Standard
Activity: Not reported
Date Approved: Not reported
Date Received: 02/21/2014
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.978444000000003
Longitude: -75.218275000000006

Name: 1700 N 49TH ST COMCAST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Site In Progress
LRP Activity Number: 50208
Remediation: Statewide Health Standard
Activity: Not reported
Date Approved: Not reported
Date Received: 02/21/2014
Date Nonuse: Not reported
ICS Code: Not reported
Media: Groundwater
Latitude: 39.978444000000003
Longitude: -75.218275000000006

Name: 1700 N 49TH ST COMCAST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131

Activity:
Activity ID: 816258, 816258, 816258, 816258,
Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Site In Progress
LRP Activity Number: 50207
Remediation: Site-Specific Standard
Activity: Not reported
Date Approved: Not reported
Date Received: 02/21/2014
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: 39.978444000000003
Longitude: -75.218275000000006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

11
South
1/4-1/2
0.297 mi.
1570 ft.

JG HOOK
1300 BELMONT AVE
PHILADELPHIA, PA 19104

LUST
ARCHIVE UST
S111111958
N/A

Relative:
Higher

Actual:
116 ft.

LUST:

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609700
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 11/22/1995
Confirmed Date: 03/12/1994
Program Other Id: 51-43815
Client: MAX L RAAB
Incident Id: 5090
Incident Desc: JG HOOK FAC
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.974967
Longitude: -75.212746

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609700
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 11/22/1995
Confirmed Date: 03/12/1994
Program Other Id: 51-43815
Client: MAX L RAAB
Incident Id: 5090
Incident Desc: JG HOOK FAC
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 100-41-4
Chemical: ETHYL BENZENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JG HOOK (Continued)

S111111958

Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.974967
Longitude: -75.212746

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609700
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 11/22/1995
Confirmed Date: 03/12/1994
Program Other Id: 51-43815
Client: MAX L RAAB
Incident Id: 5090
Incident Desc: JG HOOK FAC
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.974967
Longitude: -75.212746

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609700
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 11/22/1995
Confirmed Date: 03/12/1994
Program Other Id: 51-43815
Client: MAX L RAAB
Incident Id: 5090
Incident Desc: JG HOOK FAC
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 1330-20-7

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JG HOOK (Continued)

S111111958

Chemical: XYLENES (TOTAL)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.974967
Longitude: -75.212746

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609700
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 11/22/1995
Confirmed Date: 03/12/1994
Program Other Id: 51-43815
Client: MAX L RAAB
Incident Id: 5090
Incident Desc: JG HOOK FAC
Suspect Date: Not reported
Source Of Notification: INSTL
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Soil
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.974967
Longitude: -75.212746

ARCHIVE UST:

Name: JG HOOK
Address: 1300 BELMONT AVE
City,State,Zip: PHILADELPHIA 19104
Facility Id: 51-43815
Site ID: 587583
Municipality: Philadelphia City
Client Date: 169589
Owner Id: Not reported
Owner Name: MAX L RAAB
Owner Address: 1300 BELMONT AVE
Owner Address 2: Not reported
Owner City,St,Zip: PHILADELPHIA, PA 19104
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: MAX L RAAB
RP Address: 1300 BELMONT AVE
RP Address 2: Not reported
RP City,St,Zip: PHILADELPHIA, PA 19104
Region Code Name: Not reported
Regulated Expire Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JG HOOK (Continued)

S111111958

Tank Sequence #: 001
Tank Id: 705880
Status: Permanently Closed in Place
Status Code End Date: Not reported
Capacity: 10000
Substance: HO
Tank Substance End Date: Not reported
Install Date: 01/01/1952
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 169589
Chemical Name: MAX L RAAB
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

**12
SW
1/4-1/2
0.312 mi.
1646 ft.**

**4801 WEST JEFFERSON
4801 WEST JEFFERSON STRRET
PHILADELPHIA, PA 19131**

**US BROWNFIELDS 1025442057
N/A**

**Relative:
Higher
Actual:
113 ft.**

US BROWNFIELDS:

Name: 4801 WEST JEFFERSON
Address: 4801 WEST JEFFERSON STRRET
City,State,Zip: PHILADELPHIA, PA 19131
Recipient Name: Philadelphia Authority for Industrial Development
Grant Type: Assessment
Property Number: -
Parcel size: 4.3
Latitude: 39.9754603
Longitude: -75.2161438
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: Former Use: The property is located at 4801 West Jefferson Street, Philadelphia, Pennsylvania at the intersection of N 49th Street and West Jefferson Street. The Site is currently owned by PIDC, who took ownership in 1987, and is part of the larger West Parkside Industrial Park. The Site occupies approximately 4.3 acres and is currently a vacant and unimproved lot with open grass areas and trees. Historically, the Site was part of the Penn Central Corporation rail yard which operated from the 1860s until the early 1980 s. The Site has reportedly been vacant and since that time. The Site is primarily grass covered with some mature trees and brush scattered across the property. A horse stable south of the Site dumps manure at various locations on the property. An earthen berm, approximately three to six feet high, surrounds the property on the northern, southern, and western boundaries. Prior to 1922 until sometime before 1942, the southcentral portion of the site contained a roundhouse, machine shop, powerhouse, and coal storage as part of a rail yard. Remnants of the roundhouse, including concrete and metal rails, are still visible on the Site.

Datum: -
Acres Property ID: 238329

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

IC Data Access:	-
Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	96337501
Start Date:	-
Ownership Entity:	Private
Completion Date:	-
Current Owner:	PIDC
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

PCBs found:	Y
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	4.3
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	4.3
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The property is located at 4801 West Jefferson Street, Philadelphia, Pennsylvania at the intersection of N 49th Street and West Jefferson Street. The Site is currently owned by PIDC, who took ownership in

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

1987, and is part of the larger West Parkside Industrial Park. The Site occupies approximately 4.3 acres and is currently a vacant and unimproved lot with open grass areas and trees. Historically, the Site was part of the Penn Central Corporation rail yard which operated from the 1860s until the early 1980 s. The Site has reportedly been vacant and since that time. The Site is primarily grass covered with some mature trees and brush scattered across the property. A horse stable south of the Site dumps manure at various locations on the property. An earthen berm, approximately three to six feet high, surrounds the property on the northern, southern, and western boundaries. Prior to 1922 until sometime before 1942, the southcentral portion of the site contained a roundhouse, machine shop, powerhouse, and coal storage as part of a rail yard. Remnants of the roundhouse, including concrete and metal rails, are still visible on the Site.

Below Poverty Number: 2321
Below Poverty Percent: 42.53
Meidan Income: 8313
Meidan Income Number: 3861
Meidan Income Percent: 70.75
Vacant Housing Number: 969
Vacant Housing Percent: 31.07
Unemployed Number: 444
Unemployed Percent: 8.14

Name: 4801 WEST JEFFERSON
Address: 4801 WEST JEFFERSON STREET
City,State,Zip: PHILADELPHIA, PA 19131
Recipient Name: Philadelphia Authority for Industrial Development
Grant Type: Assessment
Property Number: -
Parcel size: 4.3
Latitude: 39.9754603
Longitude: -75.2161438
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights:

Former Use: The property is located at 4801 West Jefferson Street, Philadelphia, Pennsylvania at the intersection of N 49th Street and West Jefferson Street. The Site is currently owned by PIDC, who took ownership in 1987, and is part of the larger West Parkside Industrial Park. The Site occupies approximately 4.3 acres and is currently a vacant and unimproved lot with open grass areas and trees. Historically, the Site was part of the Penn Central Corporation rail yard which operated from the 1860s until the early 1980 s. The Site has reportedly been vacant and since that time. The Site is primarily grass covered with some mature trees and brush scattered across the property. A horse stable south of the Site dumps manure at various locations on the property. An earthen berm, approximately three to six feet high, surrounds the property on the northern, southern, and western boundaries. Prior to 1922 until sometime before 1942, the southcentral portion of the site contained a roundhouse, machine shop, powerhouse, and coal storage as part of a rail yard. Remnants of the roundhouse, including concrete and metal rails, are still visible on the Site.

Datum: -
Acres Property ID: 238329
IC Data Access: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

Start Date:	-
Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	11811
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	96337501
Start Date:	04/10/2017
Ownership Entity:	Private
Completion Date:	06/13/2017
Current Owner:	PIDC
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	4.3
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	4.3
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
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Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	Y
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The property is located at 4801 West Jefferson Street, Philadelphia, Pennsylvania at the intersection of N 49th Street and West Jefferson Street. The Site is currently owned by PIDC, who took ownership in 1987, and is part of the larger West Parkside Industrial Park. The

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4801 WEST JEFFERSON (Continued)

1025442057

Site occupies approximately 4.3 acres and is currently a vacant and unimproved lot with open grass areas and trees. Historically, the Site was part of the Penn Central Corporation rail yard which operated from the 1860s until the early 1980 s. The Site has reportedly been vacant and since that time. The Site is primarily grass covered with some mature trees and brush scattered across the property. A horse stable south of the Site dumps manure at various locations on the property. An earthen berm, approximately three to six feet high, surrounds the property on the northern, southern, and western boundaries. Prior to 1922 until sometime before 1942, the southcentral portion of the site contained a roundhouse, machine shop, powerhouse, and coal storage as part of a rail yard. Remnants of the roundhouse, including concrete and metal rails, are still visible on the Site.

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Meidan Income: 8313
Meidan Income Number: 3861
Meidan Income Percent: 70.75
Vacant Housing Number: 969
Vacant Housing Percent: 31.07
Unemployed Number: 444
Unemployed Percent: 8.14

B13
SW
1/4-1/2
0.348 mi.
1836 ft.
NORTH 49TH ST
1700 N 49TH ST
PHILADELPHIA, PA 19131
Site 1 of 2 in cluster B

LUST S120840273
N/A

Relative:
Higher
Actual:
115 ft.

LUST:
Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 98-82-8
Chemical: CUMENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 100-41-4
Chemical: ETHYL BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 86-73-7
Chemical: FLUORENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 1634-04-4
Chemical: METHYL TERT-BUTYL ETHER (MTBE)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 91-20-3
Chemical: NAPHTHALENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 85-01-8
Chemical: PHENANTHRENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
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Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 95-63-6
Chemical: TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
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Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: 108-67-8
Chemical: TRIMETHYLBENZENE, 1,3,5-
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
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Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 98-82-8
Chemical: CUMENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
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Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 100-41-4
Chemical: ETHYL BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 86-73-7
Chemical: FLUORENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
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Facility Status: Interim or Remedial Actions Initiated
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Incident Id: 50206
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Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 1634-04-4
Chemical: METHYL TERT-BUTYL ETHER (MTBE)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
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Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 91-20-3
Chemical: NAPHTHALENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
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Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 85-01-8
Chemical: PHENANTHRENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 95-63-6
Chemical: TRIMETHYLBENZENE, 1,3,4- (TRIMETHYLBENZENE, 1,2,4-)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTH 49TH ST (Continued)

S120840273

Name: NORTH 49TH ST
Address: 1700 N 49TH ST
City,State,Zip: PHILADELPHIA, PA 19131-4728
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 716135
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Interim or Remedial Actions Initiated
Status Date: 03/01/2017
Confirmed Date: 03/01/2017
Program Other Id: 51-39953
Client: COMCAST OF PHILADELPHIA LLC
Incident Id: 50206
Incident Desc: NIR
Suspect Date: 03/01/2017
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: 108-67-8
Chemical: TRIMETHYLBENZENE, 1,3,5-
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.976436
Longitude: -75.218450

B14
SW
1/4-1/2
0.355 mi.
1876 ft.

WEST PARKSIDE INDUSTRIAL PARK (KOMplete) G3THNY00
NW CORNER OF 49TH AND JEFFERSON STREETS
PHILADELPHIA, PA 19131

US BROWNFIELDS 1016348263
FINDS N/A

Site 2 of 2 in cluster B

Relative:
Higher
Actual:
115 ft.

US BROWNFIELDS:

Name: WEST PARKSIDE INDUSTRIAL PARK (KOMplete) G3THNY00
Address: NW CORNER OF 49TH AND JEFFERSON STREETS
City,State,Zip: PHILADELPHIA, PA 19131
Recipient Name: Philadelphia, City of
Grant Type: Assessment
Property Number: Unknown
Parcel size: 1
Latitude: 39.9763
Longitude: -75.2185
HCM Label: -
Map Scale: -
Point of Reference: -

Highlights: The site was under agreement to the Komplete Welding company. Due to economic uncertainties, Komplete was unable to consummate the purchase of the land and build a proposed office and storage building. Former Use: The site is a part of an industrial park managed by the Phila. Authority for Industrial Development. It was formerly a rail yard.

Datum: World Geodetic System of 1984
Acres Property ID: 81003
IC Data Access: -
Start Date: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST PARKSIDE INDUSTRIAL PARK (KOMPELETE) G3THNY00 (Continued)

1016348263

Redev Completion Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2970
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	98396801
Start Date:	01/21/2008
Ownership Entity:	Government
Completion Date:	02/05/2008
Current Owner:	Philadelphia Authority for Industrial Development
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	N
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST PARKSIDE INDUSTRIAL PARK (KOMPELETE) G3THNY00 (Continued)

1016348263

Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	1
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	Y
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a part of an industrial park managed by the Phila. Authority for Industrial Development. It was formerly a rail yard.
Below Poverty Number:	2255
Below Poverty Percent:	47.29
Meidan Income:	8022

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST PARKSIDE INDUSTRIAL PARK (KOMLETE) G3THNY00 (Continued)

1016348263

Meidan Income Number: 3294
Meidan Income Percent: 69.09
Vacant Housing Number: 889
Vacant Housing Percent: 31.77
Unemployed Number: 417
Unemployed Percent: 8.75

FINDS:

Registry ID: 110038736222

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

15
South
1/4-1/2
0.399 mi.
2109 ft.

ATLANTIC SVC STA
1201 BELMONT AVE
PHILADELPHIA, PA 19104

LUST
RCRA NonGen / NLR
FINDS
ECHO

1000447685
PAD987281060

Relative:
Higher
Actual:
119 ft.

LUST:

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 1330-20-7
Chemical: XYLENES (TOTAL)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Unleaded Gasoline
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Soil
Substance: Used Motor Oil
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 71-43-2
Chemical: BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 100-41-4
Chemical: ETHYL BENZENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 1634-04-4
Chemical: METHYL TERT-BUTYL ETHER (MTBE)
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

Name: ATLANTIC 0363 1462
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608718
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 10/18/2002
Confirmed Date: 05/04/1990
Program Other Id: 51-30655
Client: ATLANTIC REF & MKT CORP
Incident Id: 5930
Incident Desc: 51-30655 ATLANTIC 0363 1462
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: TTEST
Source Cause Of Release: TANK
Tank: Not reported
Impact Desc: Ground Water
Substance: Unleaded Gasoline
CAS RN: 108-88-3
Chemical: TOLUENE
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973506
Longitude: -75.212256

RCRA NonGen / NLR:

Date Form Received by Agency:	20161220
Handler Name:	ATLANTIC SVC STA
Handler Address:	1201 BELMONT AVE
Handler City,State,Zip:	PHILADELPHIA, PA 19104-1033
EPA ID:	PAD987281060
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	03
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	PA
State District:	1
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20170118
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	OPERNAME
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	OPERSTREET
Owner/Operator City,State,Zip:	OPERCITY, AK 99999
Owner/Operator Telephone:	215-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120928
Handler Name:	ATLANTIC SVC STA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20161220
Handler Name:	ATLANTIC SVC STA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19900606
Handler Name:	ATLANTIC SVC STA
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	PA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ATLANTIC SVC STA (Continued)

1000447685

List of NAICS Codes and Descriptions:

NAICS Codes:

No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:

No Violations Found

Evaluation Action Summary:

Evaluations:

No Evaluations Found

FINDS:

Registry ID: 110059888974

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PA-EFACTS (Pennsylvania - Environmental Facility Application Compliance Tracking System) is a Department-wide database that provides a holistic view of clients and sites (including facilities) that DEP regulates.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000447685
Registry ID: 110059888974
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110059888974>
Name: ATLANTIC SVC STA
Address: 1201 BELMONT AVE
City,State,Zip: PHILADELPHIA, PA 19104

16
SE
1/4-1/2
0.409 mi.
2157 ft.

4108-4120 PARKSIDE AVE SITE
4108-4120 PARKSIDE & 4109-4121 VIOL
PHILADELPHIA, PA

UNREG LTANKS **S105919437**
N/A

Relative:
Lower

UNREG LTANKS:

Region: South East
Contaminant: FUEL OIL NO. 4
Closed: Not reported
Class: Cleanup of Tanks using authorities other than Act 32

Actual:
106 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

17
ESE
1/4-1/2
0.431 mi.
2278 ft.

1825-41 NORTH 5TH STREET
1825-41 NORTH 5TH STREET
PHILADELPHIA, PA 19122

US BROWNFIELDS
FINDS

1016456365
N/A

Relative:
Lower

US BROWNFIELDS:

Actual:
104 ft.

Name: 1825-41 NORTH 5TH STREET
Address: 1825-41 NORTH 5TH STREET
City,State,Zip: PHILADELPHIA, PA 19122
Recipient Name: Philadelphia City Planning Commission
Grant Type: Assessment
Property Number: -
Parcel size: -
Latitude: 39.979075
Longitude: -75.142507
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 13319
IC Data Access: -
Start Date: -
Redev Completion Date: -
Completed Date: -
Acres Cleaned Up: -
Cleanup Funding: -
Cleanup Funding Source: -
Assessment Funding: -
Assessment Funding Source: -
Redevelopment Funding: -
Redev. Funding Source: -
Redev. Funding Entity Name: -
Redevelopment Start Date: -
Assessment Funding Entity: -
Cleanup Funding Entity: -
Grant Type: -
Accomplishment Type: Phase I Environmental Assessment
Accomplishment Count: N
Cooperative Agreement Number: 99327201
Start Date: 06/30/2001
Ownership Entity: -
Completion Date: 06/30/2001
Current Owner: -
Did Owner Change: -
Cleanup Required: -
Video Available: -
Photo Available: -
Institutional Controls Required: -
IC Category Proprietary Controls: -
IC Cat. Info. Devices: -
IC Cat. Gov. Controls: -
IC Cat. Enforcement Permit Tools: -
IC in place date: -
IC in place: U
State/tribal program date: -
State/tribal program ID: -
State/tribal NFA date: -

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1825-41 NORTH 5TH STREET (Continued)

1016456365

Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contaminants found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1825-41 NORTH 5TH STREET (Continued)

1016456365

Chromium contaminant found: -
Copper contaminant found: -
Iron contaminant found: -
Mercury contaminant found: -
Nickel contaminant found: -
No contaminant found: -
Pesticides contaminant found: -
Selenium contaminant found: -
SVOCs contaminant found: -
Unknown contaminant found: -
Future Use: Multistory -
Media affected Bluiding Material: -
Media affected indoor air: -
Building material media cleaned up: -
Indoor air media cleaned up: -
Unknown media cleaned up: -
Past Use: Multistory Not reported
Property Description: -
Below Poverty Number: 5078
Below Poverty Percent: 45.96
Meidan Income: 6696
Meidan Income Number: 7413
Meidan Income Percent: 67.09
Vacant Housing Number: 695
Vacant Housing Percent: 15.48
Unemployed Number: 685
Unemployed Percent: 6.2

FINDS:

Registry ID: 110039537855

Click Here:

Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)
is an federal online database for Brownfields Grantees to
electronically submit data directly to EPA.

[Click this hyperlink](#) while viewing on your computer to access
additional FINDS: detail in the EDR Site Report.

C18
South
1/4-1/2
0.444 mi.
2346 ft.

MERCY DOUGLASS CTR
4400 W GIRARD AVE
PHILADELPHIA, PA
Site 1 of 2 in cluster C

UNREG LTANKS **S105919651**
N/A

Relative:
Higher

UNREG LTANKS:

Actual:
119 ft.

Region: South East
Contaminant: FUEL OIL NO. 2
Closed: 1/23/1995
Class: Cleanup of Tanks using authorities other than Act 32

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C19
South
1/4-1/2
0.444 mi.
2346 ft.
MERCY DOUGLAS HUMAN SVC AFF
4400 W GIRARD AVE
PHILADELPHIA, PA 19104
Site 2 of 2 in cluster C

LUST
ARCHIVE UST
S119705466
N/A

Relative:
Higher

Actual:
119 ft.

LUST:
Name: MERCY DOUGLAS HUMAN SVC AFF
Address: 4400 W GIRARD AVE
City,State,Zip: PHILADELPHIA, PA 19104
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 608675
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 01/23/1995
Confirmed Date: 09/18/1992
Program Other Id: 51-30483
Client: MERCY DOUGLASS CTR INC
Incident Id: 50443
Incident Desc: NORWI
Suspect Date: Not reported
Source Of Notification: OWNER
Release Discovered: CLOS
Source Cause Of Release: INFNP
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.973014
Longitude: -75.214010

ARCHIVE UST:
Name: MERCY DOUGLAS HUMAN SVC AFF
Address: 4400 W GIRARD AVE
City,State,Zip: PHILADELPHIA 19104
Facility Id: 51-30483
Site ID: 586841
Municipality: Philadelphia City
Client Date: 170286
Owner Id: Not reported
Owner Name: MERCY DOUGLASS CTR INC
Owner Address: 4400 W GIRARD AVE
Owner Address 2: Not reported
Owner City,St,Zip: PHILADELPHIA, PA 19104
Owner Phone: Not reported
Owner County Code: Not reported
Resp Party Name: MERCY DOUGLASS CTR INC
RP Address: 4400 W GIRARD AVE
RP Address 2: Not reported
RP City,St,Zip: PHILADELPHIA, PA 19104
Region Code Name: Not reported
Regulated Expire Date: Not reported

Tank Sequence #: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MERCY DOUGLAS HUMAN SVC AFF (Continued)

S119705466

Tank Id: 702105
Status: Closed Without a Permit
Status Code End Date: Not reported
Capacity: 11000
Substance: HO
Tank Substance End Date: Not reported
Install Date: Not reported
Tank Code: UST
Inspection Code: Not reported
Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 170286
Chemical Name: MERCY DOUGLASS CTR INC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

20
SSW
1/4-1/2
0.445 mi.
2348 ft.

**LAUREL LINEN SVC INC/PHILA
4601 W GIRARD AVE
PHILADELPHIA, PA 19131**

**LUST
ARCHIVE AST
AIRS**

**S111104426
N/A**

**Relative:
Lower**

LUST:

**Actual:
109 ft.**

Name: LAUREL LINEN SVC
Address: 4601 W GIRARD AVE
City,State,Zip: PHILADELPHIA, PA 19131
Region: EP SE Rgnl Off Norristown
Municipality: Philadelphia City
Facility Id: 609728
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 07/27/1995
Confirmed Date: 08/05/1989
Program Other Id: 51-43987
Client: LAUREL LINEN SVC INC
Incident Id: 6275
Incident Desc: ASSOC TEXTILES
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Ground Water
Substance: Fuel Oil No 2
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.972899
Longitude: -75.215525

Name: LAUREL LINEN SVC
Address: 4601 W GIRARD AVE
City,State,Zip: PHILADELPHIA, PA 19131
Region: EP SE Rgnl Off Norristown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUREL LINEN SVC INC/PHILA (Continued)

S111104426

Municipality: Philadelphia City
Facility Id: 609728
Facility Type: Underground Storage Tank Containing Petroleum
Facility Status: Cleanup Completed
Status Date: 07/27/1995
Confirmed Date: 08/05/1989
Program Other Id: 51-43987
Client: LAUREL LINEN SVC INC
Incident Id: 6275
Incident Desc: ASSOC TEXTILES
Suspect Date: Not reported
Source Of Notification: Not reported
Release Discovered: Not reported
Source Cause Of Release: Not reported
Tank: Not reported
Impact Desc: Soil
Substance: Fuel Oil No 2
CAS RN: Not reported
Chemical: Not reported
Comments: Not reported
Horizontal Ref Datum: WGS84
Altitude Datum: Not reported
Latitude: 39.972899
Longitude: -75.215525

ARCHIVE AST:

Name: LAUREL LINEN SVC
Address: 4601 W GIRARD AVE
City,State,Zip: PHILADELPHIA 19131
Facility ID: 51-43987
Site ID: 587605
Client ID: 181977
Municipality: Philadelphia City
Region Name: Not reported
Owner ID: Not reported
Owner Name: LAUREL LINEN SVC INC
Owner Phone: Not reported
Owner Address: 4601 W GIRARD AVE
Owner Address 2: Not reported
Owner City,St,Zip: PHILADELPHIA, PA 19131
Owner County Code: Not reported
Resp Party Name: LAUREL LINEN SVC INC
RP Address: 4601 W GIRARD AVE
RP Address 2: Not reported
RP City,St,Zip: PHILADELPHIA, PA 19131
Regulated Exp Date: Not reported

Tank ID: 705931
Tank Sequence #: 001A
Install Date: 05/01/1986
Status: Exempt From State Law
Status Code End Date: Not reported
Capacity: 10000
Substance: HO
Tank Substance End Date: Not reported
Tank Code: AST
Inspection Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUREL LINEN SVC INC/PHILA (Continued)

S111104426

Last Inspection: Not reported
Substance Type: Not reported
CASRN for Hazardous Substances: 181977
Chemical Name: LAUREL LINEN SVC INC
Other Information Regarding The Tank Substance: Not reported
Undeliverable Address Ind.: N
Contact Name: UNKNOWN
Company: Not reported

AIRS:

Name: LAUREL LINEN SVC INC/PHILA
Address: 4601 W GIRARD AVE
City,State,Zip: PHILADELPHIA, PA 19131-4615
Address 2: Not reported
Primary Facility ID: 749373
Contact Name: Not reported
Contact Phone: (804)732-3315
Contact Email: Not reported
Status: Inactive
Region: Philadelphia County Health Department
Site ID: 587605
Client ID: 181977
Client Name: LAUREL LINEN SVC INC
NAICS Code: 333318
Client Address: 4601 W GIRARD AVE
Client Address 2: Not reported
Client City: PHILADELPHIA
Client State: PA
Client Zip: 19131
Client Type: NON-GOVERNMENT
NAICS Description: Other Commercial and Service Industry Machinery Manufacturing
Permit Number: Not reported
Municipality: Not reported
Authorization ID: Not reported
Authorization Type: Not reported
Application Type: Not reported
Received Date: Not reported
Issued Date: Not reported
Expiration Date: Not reported
Latitude: 39.968889
Longitude: -75.214722

EMI:

Facid: 749373
Facility Name: Not reported
Year: 2000
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Not reported
Municipality: Not reported
DEP Region: Not reported
Client ID: Not reported
Client Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUREL LINEN SVC INC/PHILA (Continued)

S111104426

NAICS Code: Not reported
NAICS Desc: Not reported
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Not reported
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Not reported
Emission Amt(In Tons): Not reported
Latitude: 39.968889
Longitude: -75.214722

Facid: 749373
Facility Name: Not reported
Year: 2002
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Not reported
Municipality: Not reported
DEP Region: Not reported
Client ID: Not reported
Client Name: Not reported
NAICS Code: Not reported
NAICS Desc: Not reported
NAICS Category: Not reported
Permit Number: Not reported
Spud Date: Not reported
Facility Type: Not reported
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Not reported
Emission Amt(In Tons): Not reported
Latitude: 39.968889
Longitude: -75.214722

Facid: 749373
Facility Name: Not reported
Year: 2001
PM10: Not reported
PM25: Not reported
NOX: Not reported
SOX: Not reported
VOC: Not reported
CO: Not reported
County: Not reported
Municipality: Not reported
DEP Region: Not reported
Client ID: Not reported
Client Name: Not reported
NAICS Code: Not reported
NAICS Desc: Not reported
NAICS Category: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAUREL LINEN SVC INC/PHILA (Continued)

S111104426

Permit Number: Not reported
Spud Date: Not reported
Facility Type: Not reported
Compression Station Type: Not reported
Source Type: Not reported
Pollutant: Not reported
Emission Amt(In Tons): Not reported
Latitude: 39.968889
Longitude: -75.214722

21
WNW
1/4-1/2
0.448 mi.
2365 ft.

PHILA BUS & TECH CTR
5070 PARKSIDE AVE STE 1314-UNIT 48
PHILADELPHIA, PA 19131

AUL S118066138
N/A

Relative:
Higher
Actual:
130 ft.

AUL:
Name: PHILA BUS & TECH CTR
Address: 5070 PARKSIDE AVE STE 1314-UNIT 48
City,State,Zip: PHILADELPHIA, PA 19131-4749
Facility Id: 619196
Primary Facility Type: Land Recycling and Cleanup Locator
Latitude: 39 58' 8"
Longitude: -75 13' 27"
Region: Southeast Region
Client Id: Not reported
Client Name: Not reported
Incident Id / Name Description: N/A
Remediation Id: 4769
Remediation Received Date: 12/7/2001
Address: 5070 PARKSIDE AVE STE 1314-UNIT 48 PHILADELPHIA, PA 19131-4749
AUL Code: ENVIRONMENTAL COVENANT
Received Date: 11/30/2009
Action Date: 11/30/2009
Action: DEP SIGNED
Recorded Date: 12/09/2009
Terminated Date: Not reported
Amended Date: Not reported
Activity Use Limitation Code: NONRE
Activity Use Limitation Desc: NON-RESIDENTIAL USE
Aul Comment: Not reported
Internal Use EDR Field: DETAIL AS OF JANUARY 2013

22
South
1/4-1/2
0.467 mi.
2468 ft.

STEPHEN SMITH TOWERS
1030 BELMONT AVE
PHILADELPHIA, PA

UNREG LTANKS S105919767
N/A

Relative:
Higher
Actual:
119 ft.

UNREG LTANKS:
Region: South East
Contaminant: FUEL OIL #2
Closed: Not reported
Class: Cleanup of Tanks using authorities other than Act 32

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D23
WSW
1/4-1/2
0.500 mi.
2638 ft.
CONRAIL MERION AVE STORAGE FAC
4965 MERION AVE
PHILADELPHIA, PA
Site 1 of 2 in cluster D

ACT 2-DEED
S108055641
N/A

Relative:
Higher
Actual:
113 ft.

ACT 2-DEED:
Region: 4100
Municipality: Philadelphia
Site Size: Not reported
Cleanup Standard: Statewide Health
Cleanup Indicator: Not reported
Response Date: 10/31/2005
Category Description: Inorganics, Lead, PAH, Unleaded Gasoline
Land Designation Code: Not reported

D24
WSW
1/4-1/2
0.500 mi.
2638 ft.
CONRAIL MERION AVE STORAGE FAC
4965 MERION AVE
PHILADELPHIA, PA 19131
Site 2 of 2 in cluster D

UNREG LTANKS
VCP
S105919505
N/A

Relative:
Higher
Actual:
113 ft.

UNREG LTANKS:
Region: South East
Contaminant: FUEL OIL #2
Closed: Not reported
Class: Cleanup of Tanks using authorities other than Act 32

VCP:

Name: CONRAIL MERION AVE STORAGE FAC
Address: 4965 MERION AVE
City,State,Zip: PHILADELPHIA, PA 19131

Activity:

Activity ID: 619145,

Cleanup Records:

Municipality: Philadelphia City
Region: Southeast Region
Category Desc: Fuel Oil No 2
Type: Complete Sites
LRP Activity Number: 35723
Remediation: Statewide Health Standard
Activity: NO
Date Approved: 10/31/2005
Date Received: Not reported
Date Nonuse: Not reported
ICS Code: Not reported
Media: Soil
Latitude: Not reported
Longitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

25
NNW
1/2-1
0.782 mi.
4130 ft.

FAIRMONT PARK BARRACKS
PHILADELPHIA, PA

FUDS 1024899581
N/A

Relative:
Higher
Actual:
184 ft.

FUDS:

EPA Region: 3
Installation ID: PA39799F928700
Congressional District Number: 2
Name: FAIRMONT PARK BARRACKS
FUDS Number: C03PA1065
City: PHILADELPHIA
State: PA
County: PHILADELPHIA
Object ID: 7426
USACE Division: NAD
USACE District: Baltimore District (NAB)
Status: Properties without projects
Current Owner: Not reported
EMS Map Link: <https://fudportal.usace.army.mil/ems/ems/inventory/map/map?id=55195>
Eligibility: Eligible
Has Projects: No
NPL Status: Not on the NPL
Property History: The site C03PA1065, Fairmount Park Barracks, is located in Philadelphia, Philadelphia County, Pennsylvania. The War Department acquired 35 acres in Fairmount Park, Philadelphia in 1941. Military police barracks for the 722nd Military Police Battalion under the Third Service Command were constructed on site between 1941 and 1942. The lease for the 35 acres and the sewage force main license were terminated on 31 October 1946 and the site reverted back to the City of Philadelphia's Fairmount Park Commission, the current owner.

Project Required: No
Feature Description: Not reported
Latitude: 39.99027778
Longitude: -75.21666667

Count: 6 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ARDMORE	S105800561	SUNOCO 0004 7845	2 MERION AVE	19131	LUST, AUL
PHILADELPHIA	S105919461	AMER RED CROSS	48-56 N 40TH ST		UNREG LTANKS
PHILADELPHIA	1003867325	CERTIFIED CONCRETE	56TH AND SCHULKILL RIVER	19139	SEMS-ARCHIVE
PHILADELPHIA	S105800661	FIRE SITE 147	BELMONT VIOLA	19104	LUST
PHILADELPHIA	1003867056	SEPTA SITE	37 STREET AND BALTIMORE AVENUE	19104	SEMS-ARCHIVE
PHILADELPHIA	1026616000	MASLAND DURALEATHER COMPANY	WILLARD & COLLINS AVENUE	19104	PRP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: N/A
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates 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 the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 800-424-9346
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021	Source: EPA
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-424-9346
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-438-2474
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-438-2474
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-438-2474
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-438-2474
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/15/2021	Source: Department of the Navy
Date Data Arrived at EDR: 11/16/2021	Telephone: 843-820-7326
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/07/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls 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.

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/18/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls 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.

Date of Government Version: 11/19/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/19/2021	Telephone: 703-603-0695
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 11/19/2021
Number of Days to Update: 87	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021

Date Data Arrived at EDR: 09/21/2021

Date Made Active in Reports: 12/15/2021

Number of Days to Update: 85

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 12/16/2021

Next Scheduled EDR Contact: 04/04/2022

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 10/11/2021

Date Data Arrived at EDR: 10/11/2021

Date Made Active in Reports: 01/05/2022

Number of Days to Update: 86

Source: Department Environmental Protection

Telephone: 717-783-7816

Last EDR Contact: 01/12/2022

Next Scheduled EDR Contact: 04/25/2022

Data Release Frequency: Quarterly

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund list.

Date of Government Version: 06/20/2020

Date Data Arrived at EDR: 01/20/2021

Date Made Active in Reports: 04/09/2021

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 717-783-7816

Last EDR Contact: 01/15/2021

Next Scheduled EDR Contact: 04/25/2022

Data Release Frequency: Annually

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Operating Facilities

The listing includes Municipal Waste Landfills, Construction/Demolition Waste Landfills and Waste-to-Energy Facilities.

Date of Government Version: 11/15/2021

Date Data Arrived at EDR: 11/16/2021

Date Made Active in Reports: 02/04/2022

Number of Days to Update: 80

Source: Department of Environmental Protection

Telephone: 717-787-7564

Last EDR Contact: 02/15/2022

Next Scheduled EDR Contact: 05/30/2022

Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/07/2021

Date Data Arrived at EDR: 09/08/2021

Date Made Active in Reports: 12/01/2021

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 717-783-7509

Last EDR Contact: 12/08/2021

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Quarterly

LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/12/2021

Source: EPA, Region 5

Date Data Arrived at EDR: 11/15/2021

Telephone: 312-886-7439

Date Made Active in Reports: 02/08/2022

Last EDR Contact: 01/18/2022

Number of Days to Update: 85

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021

Source: EPA Region 4

Date Data Arrived at EDR: 06/22/2021

Telephone: 404-562-8677

Date Made Active in Reports: 09/20/2021

Last EDR Contact: 01/18/2022

Number of Days to Update: 90

Next Scheduled EDR Contact: 05/02/2022

Data Release Frequency: Varies

UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002

Source: Department of Environmental Protection

Date Data Arrived at EDR: 08/14/2003

Telephone: 717-783-7509

Date Made Active in Reports: 08/29/2003

Last EDR Contact: 08/14/2003

Number of Days to Update: 15

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021

Source: FEMA

Date Data Arrived at EDR: 11/05/2021

Telephone: 202-646-5797

Date Made Active in Reports: 02/01/2022

Last EDR Contact: 02/07/2022

Number of Days to Update: 88

Next Scheduled EDR Contact: 04/18/2022

Data Release Frequency: Varies

UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/01/2021

Source: Department of Environmental Protection

Date Data Arrived at EDR: 09/08/2021

Telephone: 717-772-5599

Date Made Active in Reports: 12/01/2021

Last EDR Contact: 12/08/2021

Number of Days to Update: 84

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Varies

AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 09/01/2021

Source: Department of Environmental Protection

Date Data Arrived at EDR: 09/08/2021

Telephone: 717-772-5599

Date Made Active in Reports: 12/01/2021

Last EDR Contact: 12/08/2021

Number of Days to Update: 84

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/09/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/08/2022
Number of Days to Update: 85

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Engineering controls 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.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

AUL: Environmental Covenants Listing

A listing of sites with environmental covenants.

Date of Government Version: 10/11/2021
Date Data Arrived at EDR: 10/11/2021
Date Made Active in Reports: 01/05/2022
Number of Days to Update: 86

Source: Department of Environmental Protection
Telephone: 717-783-7509
Last EDR Contact: 01/12/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Institutional controls 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.

Date of Government Version: 05/15/2008
Date Data Arrived at EDR: 05/16/2008
Date Made Active in Reports: 06/12/2008
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: No Update Planned

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites

The VCP listings included Completed Sites, Sites in Progress and Act 2 Non-Use Aquifer Determinations Sites. Formerly known as the Act 2, the Land Recycling Program encourages the voluntary cleanup and reuse of contaminated commercial and industrial sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/30/2021
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 717-783-2388
Last EDR Contact: 01/05/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites

Brownfields are generally defined as abandoned or underused industrial or commercial properties where redevelopment is complicated by actual or perceived environmental contamination. Brownfields vary in size, location, age and past use. They can range from a small, abandoned corner gas station to a large, multi-acre former manufacturing plant that has been closed for years.

Date of Government Version: 10/11/2021
Date Data Arrived at EDR: 10/11/2021
Date Made Active in Reports: 01/05/2022
Number of Days to Update: 86

Source: Department of Environmental Protection
Telephone: 717-783-1566
Last EDR Contact: 01/12/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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 takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/15/2022
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF ALI: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/04/2005
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 31

Source: Department of Environmental Protection
Telephone: 717-787-7564
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 12/20/1994
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 06/21/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP's name was the Department of Environmental Resources.

Date of Government Version: 06/02/1999
Date Data Arrived at EDR: 07/12/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 717-787-7381
Last EDR Contact: 09/19/2005
Next Scheduled EDR Contact: 12/19/2005
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014

Date Data Arrived at EDR: 08/06/2014

Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service

Telephone: 301-443-1452

Last EDR Contact: 01/28/2022

Next Scheduled EDR Contact: 05/09/2022

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/16/2021

Date Data Arrived at EDR: 11/18/2021

Date Made Active in Reports: 02/08/2022

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 11/16/2021

Next Scheduled EDR Contact: 03/07/2022

Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site 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. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/16/2021

Date Data Arrived at EDR: 11/18/2021

Date Made Active in Reports: 02/08/2022

Number of Days to Update: 82

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 11/16/2021

Next Scheduled EDR Contact: 03/07/2022

Data Release Frequency: Quarterly

PFAS: Sites With Known PFAS Contamination

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are man-made chemicals, are resistant to heat, water and oil, and persist in the environment and the human body. PFAS are not found naturally in the environment. They have been used to make cookware, carpets, clothing, fabrics for furniture, paper packaging for food, and other materials that are resistant to water, grease, or stains. They are also used in firefighting foams and in a number of industrial processes.

Date of Government Version: 06/14/2021

Date Data Arrived at EDR: 06/22/2021

Date Made Active in Reports: 06/23/2021

Number of Days to Update: 1

Source: Department of Environmental Protection

Telephone: 717-787-4728

Last EDR Contact: 12/20/2021

Next Scheduled EDR Contact: 03/28/2022

Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

ARCHIVE UST: Archived Underground Storage Tank Sites

The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 09/01/2021

Date Data Arrived at EDR: 09/08/2021

Date Made Active in Reports: 12/01/2021

Number of Days to Update: 84

Source: Department of Environmental Protection

Telephone: 717-772-5599

Last EDR Contact: 12/08/2021

Next Scheduled EDR Contact: 03/21/2022

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ARCHIVE AST: Archived Aboveground Storage Tank Sites

The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 09/01/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: Department of Environmental Protection
Telephone: 717-772-5599
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Semi-Annually

ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 04/23/2010
Date Data Arrived at EDR: 04/28/2010
Date Made Active in Reports: 04/30/2010
Number of Days to Update: 2

Source: Department of Environmental Protection
Telephone: 717-783-9470
Last EDR Contact: 07/22/2011
Next Scheduled EDR Contact: 11/07/2011
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

SPILLS: State spills

A listing of hazardous material incidents.

Date of Government Version: 10/01/2021
Date Data Arrived at EDR: 10/20/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 6

Source: DEP, Emergency Response
Telephone: 717-787-5715
Last EDR Contact: 01/18/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 800-438-2474
Date Made Active in Reports: 10/12/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/26/2021	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/16/2021	Telephone: 202-528-4285
Date Made Active in Reports: 02/08/2022	Last EDR Contact: 02/15/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/30/2022
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/14/2022
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/25/2022
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/08/2022
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/23/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/15/2021	Telephone: 202-566-1917
Date Made Active in Reports: 09/28/2021	Last EDR Contact: 12/17/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/04/2022
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/01/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/03/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/17/2020	Telephone: 202-260-5521
Date Made Active in Reports: 09/10/2020	Last EDR Contact: 12/17/2021
Number of Days to Update: 85	Next Scheduled EDR Contact: 03/28/2022
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018	Source: EPA
Date Data Arrived at EDR: 08/14/2020	Telephone: 202-566-0250
Date Made Active in Reports: 11/04/2020	Last EDR Contact: 11/16/2021
Number of Days to Update: 82	Next Scheduled EDR Contact: 02/28/2022
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/18/2021	Source: EPA
Date Data Arrived at EDR: 10/20/2021	Telephone: 202-564-4203
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/19/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 703-416-0223
Date Made Active in Reports: 11/29/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-8600
Date Made Active in Reports: 11/12/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021	Source: EPA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-564-6023
Date Made Active in Reports: 12/15/2021	Last EDR Contact: 02/03/2022
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020	Source: EPA
Date Data Arrived at EDR: 01/08/2021	Telephone: 202-566-0500
Date Made Active in Reports: 03/22/2021	Last EDR Contact: 01/07/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/29/2021
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/24/2021	Telephone: 301-415-7169
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 01/18/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/02/2022
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019	Source: Department of Energy
Date Data Arrived at EDR: 12/01/2020	Telephone: 202-586-8719
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 11/30/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 12/02/2021
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/16/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 12/27/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 04/11/2022
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2022
Next Scheduled EDR Contact: 05/08/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/13/2021
Date Made Active in Reports: 01/10/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/17/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/04/2022
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2022
Next Scheduled EDR Contact: 05/16/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/03/2022
Next Scheduled EDR Contact: 04/11/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Administration
Telephone: 202-693-9424
Last EDR Contact: 12/20/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/02/2021
Date Data Arrived at EDR: 11/22/2021
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020	Source: USGS
Date Data Arrived at EDR: 05/27/2020	Telephone: 703-648-7709
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 11/22/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/22/2021
Number of Days to Update: 97	Next Scheduled EDR Contact: 03/07/2022
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory 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.

Date of Government Version: 09/14/2021	Source: Department of Interior
Date Data Arrived at EDR: 09/15/2021	Telephone: 202-208-2609
Date Made Active in Reports: 12/15/2021	Last EDR Contact: 12/14/2021
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/21/2022
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021	Source: EPA
Date Data Arrived at EDR: 05/18/2021	Telephone: (215) 814-5000
Date Made Active in Reports: 08/17/2021	Last EDR Contact: 11/22/2021
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/14/2022
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/01/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/04/2022	Telephone: 202-564-2280
Date Made Active in Reports: 01/10/2022	Last EDR Contact: 01/04/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/18/2022
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/11/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/15/2021
Date Data Arrived at EDR: 11/15/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 78

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

AIRS: Permit and Emissions Inventory Data

Permit and emissions inventory data.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/14/2021
Date Made Active in Reports: 09/08/2021
Number of Days to Update: 86

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/24/2021
Number of Days to Update: 84

Source: Department of Labor & Industry
Telephone: 717-703-1092
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Locations

A listing of drycleaner facility locations.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/14/2021
Date Made Active in Reports: 09/08/2021
Number of Days to Update: 86

Source: Department of Environmental Protection
Telephone: 717-787-9702
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Abandoned Mine Land Inventory

This data set portrays the approximate location of Abandoned Mine Land Problem Areas containing public health, safety, and public welfare problems created by past coal mining.

Date of Government Version: 07/03/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80

Source: PASDA
Telephone: 814-863-0104
Last EDR Contact: 01/19/2022
Next Scheduled EDR Contact: 05/02/2022
Data Release Frequency: Semi-Annually

NPDES: NPDES Permit Listing

A listing of facilities with an NPDES permit.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 83

Source: Department of Environmental Protection
Telephone: 717-787-9642
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/14/2021
Date Made Active in Reports: 12/06/2021
Number of Days to Update: 83

Source: Department of Environmental Protection
Telephone: 717-783-7209
Last EDR Contact: 12/13/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/29/2021
Next Scheduled EDR Contact: 04/18/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A

Source: Department Environmental Protection

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/30/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 182

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A

Source: Department Environmental Protection

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 01/10/2014

Last EDR Contact: 06/01/2012

Number of Days to Update: 193

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department Environmental Protection in Pennsylvania.

Date of Government Version: N/A

Source: Department Environmental Protection

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/30/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 182

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/11/2021

Source: Department of Energy & Environmental Protection

Date Data Arrived at EDR: 11/12/2021

Telephone: 860-424-3375

Date Made Active in Reports: 02/01/2022

Last EDR Contact: 02/11/2022

Number of Days to Update: 81

Next Scheduled EDR Contact: 05/23/2022

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Source: Department of Environmental Protection

Date Data Arrived at EDR: 04/10/2019

Telephone: N/A

Date Made Active in Reports: 05/16/2019

Last EDR Contact: 01/07/2022

Number of Days to Update: 36

Next Scheduled EDR Contact: 04/18/2022

Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/28/2022
Next Scheduled EDR Contact: 05/09/2022
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/14/2022
Next Scheduled EDR Contact: 05/30/2022
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/10/2022
Next Scheduled EDR Contact: 04/25/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CAROUSEL HOUSE
4300 AVENUE OF THE REPUBLIC
PHILADELPHIA, PA 19131

TARGET PROPERTY COORDINATES

Latitude (North):	39.979285 - 39° 58' 45.43"
Longitude (West):	75.213042 - 75° 12' 46.95"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	481808.8
UTM Y (Meters):	4425270.0
Elevation:	113 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14072064 PHILADELPHIA, PA
Version Date:	2019

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

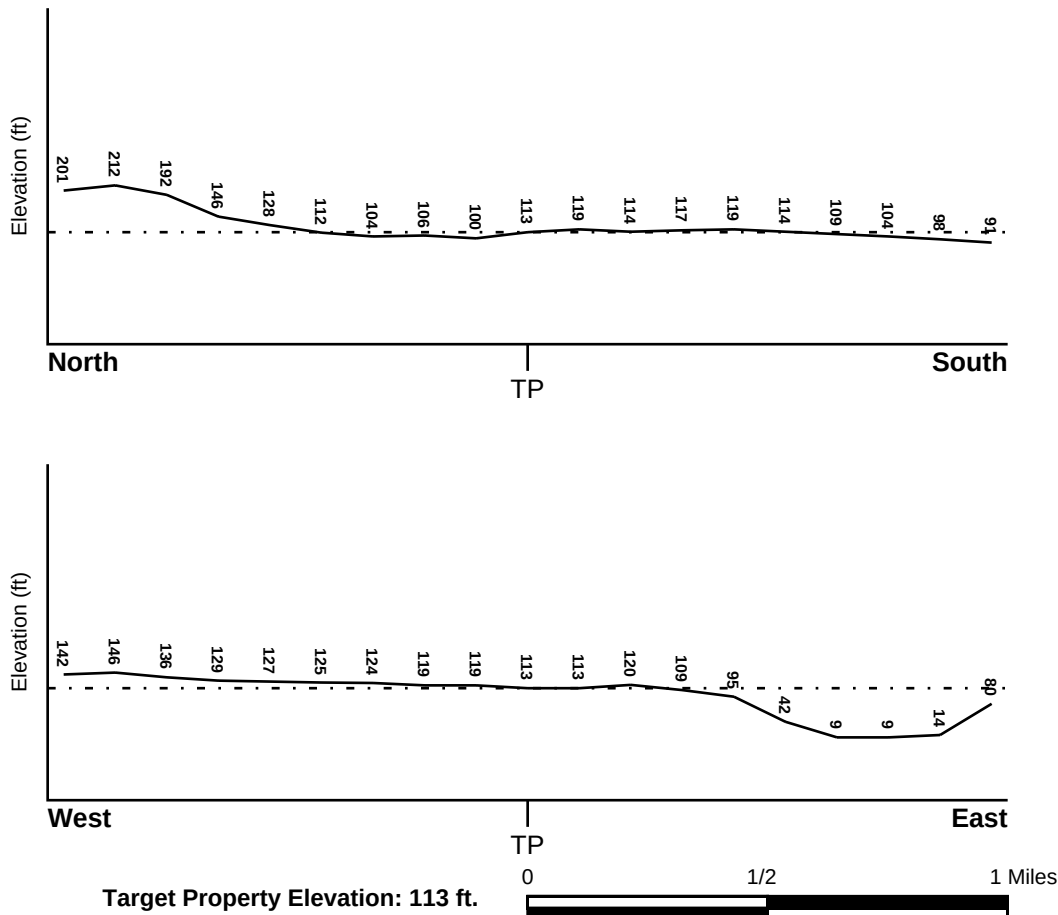
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
4207570177G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
4207570176F	FEMA Q3 Flood data
4207570178F	FEMA Q3 Flood data
42045C0128F	FEMA FIRM Flood data
4207570179G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
PHILADELPHIA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
B6	1/4 - 1/2 Mile South	S
9	1/4 - 1/2 Mile South	S
1G	1/4 - 1/2 Mile South	S
2G	1/4 - 1/2 Mile South	S

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

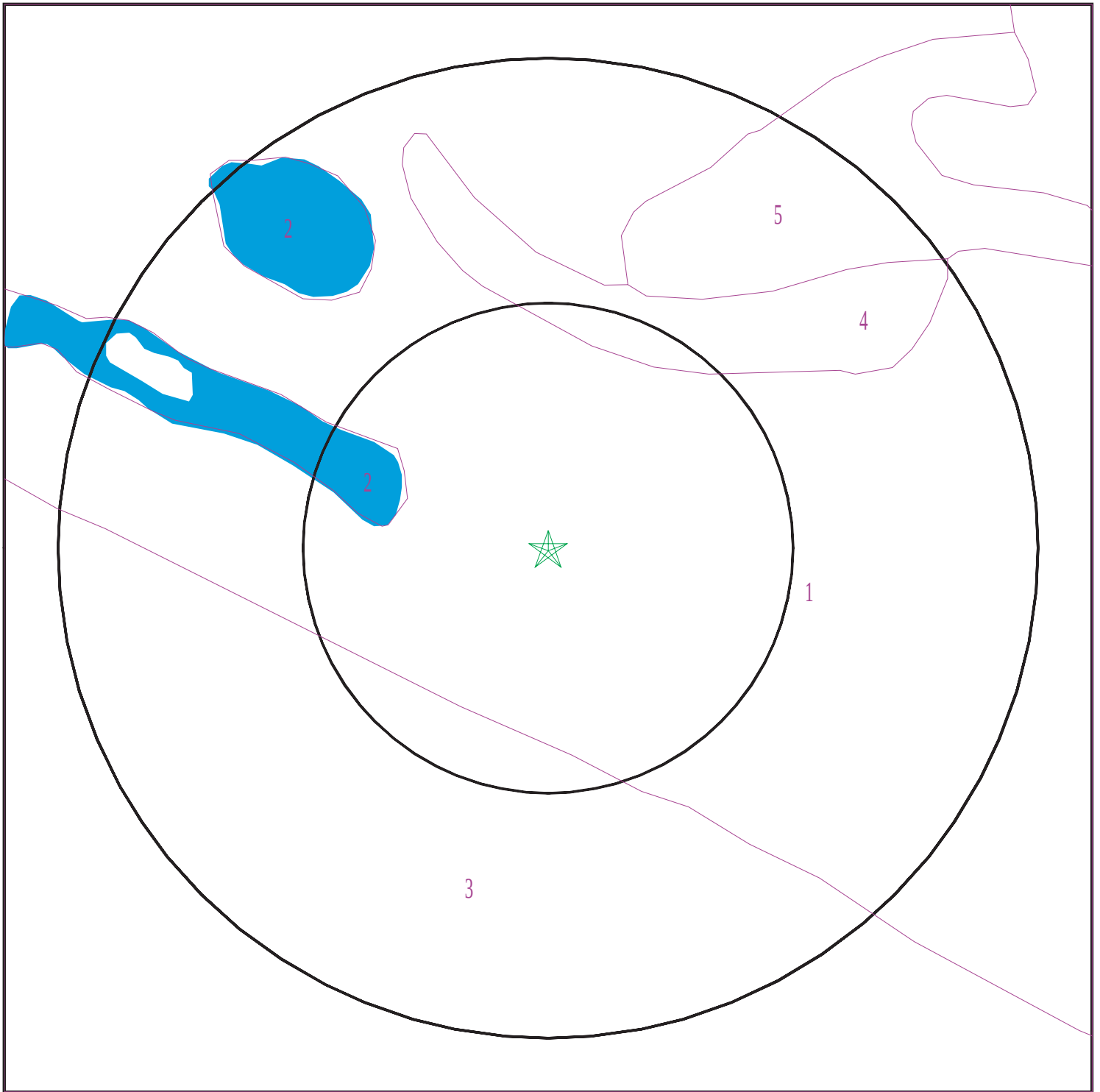
Era:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	Ce (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6861978.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Carousel House
ADDRESS: 4300 Avenue of The Republic
Philadelphia PA 19131
LAT/LONG: 39.979285 / 75.213042

CLIENT: Verdantas, LLC
CONTACT: Eva Gladish
INQUIRY #: 6861978.2s
DATE: February 16, 2022 12:55 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Urban land

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: Manor

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 4.23	Max: 6 Min: 3.6
2	7 inches	18 inches	channery loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 4.23	Max: 6 Min: 3.6
3	18 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42.34 Min: 4.23	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B4	USGS40001003819	1/4 - 1/2 Mile South
B7	USGS40001003791	1/4 - 1/2 Mile South
C10	USGS40001003837	1/4 - 1/2 Mile SW
E18	USGS40001003714	1/2 - 1 Mile SSW
G25	USGS40001003894	1/2 - 1 Mile WSW
J35	USGS40001003538	1/2 - 1 Mile South
L42	USGS40001003808	1/2 - 1 Mile ESE
N52	USGS40001003632	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
D13	PA1510802	1/4 - 1/2 Mile ENE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

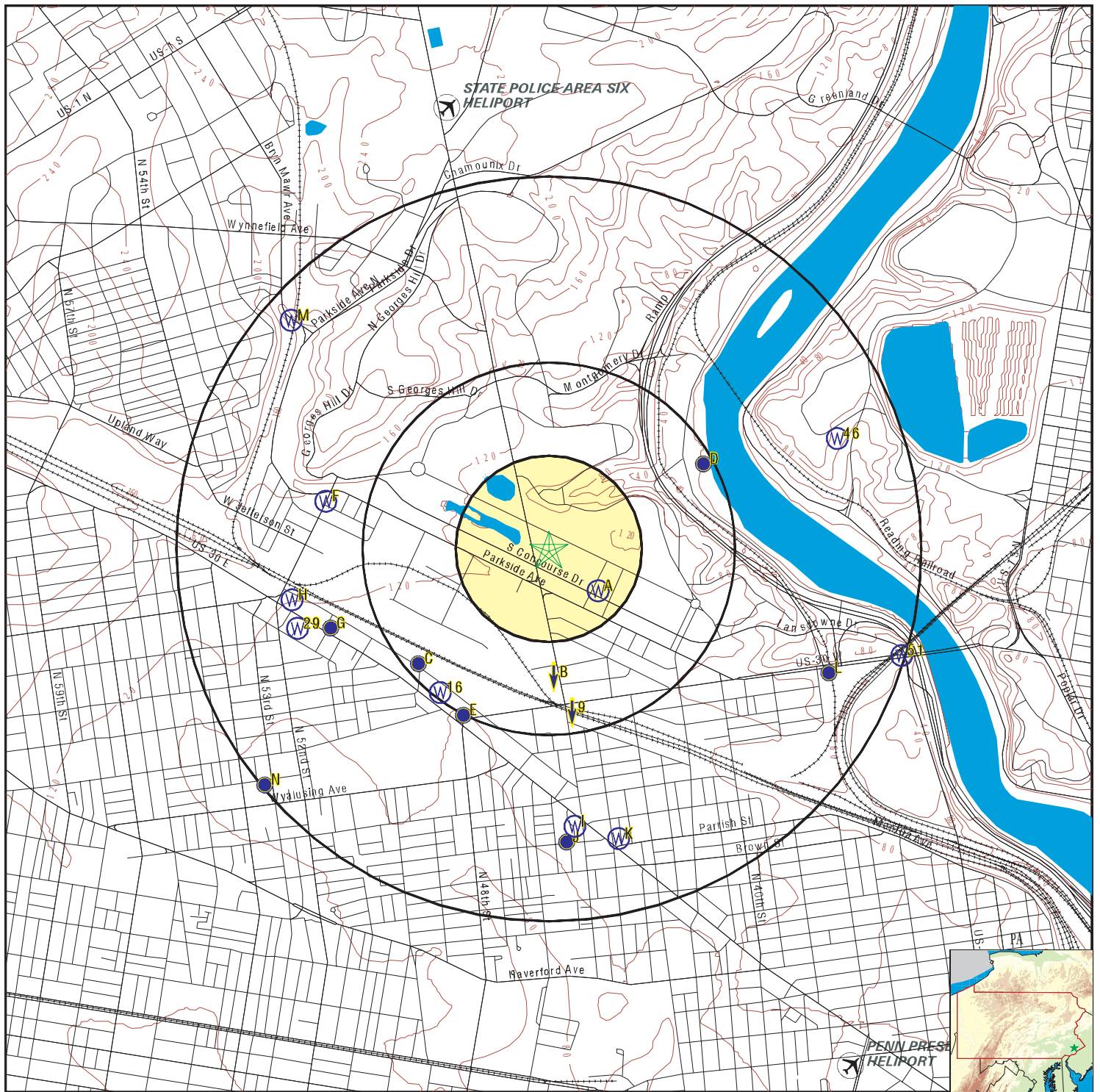
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	PASI60000389406	1/8 - 1/4 Mile SE
A2	PASI60000389407	1/8 - 1/4 Mile SE
A3	PASI60000390028	1/8 - 1/4 Mile SE
B5	PASI60000030075	1/4 - 1/2 Mile South
B8	PASI60000030073	1/4 - 1/2 Mile South
C11	PASI60000030077	1/4 - 1/2 Mile SW
D12	PASI60000214996	1/4 - 1/2 Mile ENE
E14	PASI60000131912	1/4 - 1/2 Mile SSW
E15	PASI60000131913	1/4 - 1/2 Mile SSW
16	PASI60000131914	1/4 - 1/2 Mile SW
E17	PASI60000131911	1/2 - 1 Mile SSW
E19	PASI60000030069	1/2 - 1 Mile SSW
F20	PASI60000411657	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F21	PASI60000410478	1/2 - 1 Mile WNW
F22	PASI60000410477	1/2 - 1 Mile WNW
F23	PASI60000410505	1/2 - 1 Mile WNW
F24	PASI60000410504	1/2 - 1 Mile WNW
G26	PASI60000030081	1/2 - 1 Mile WSW
H27	PASI60000383237	1/2 - 1 Mile WSW
H28	PASI60000383208	1/2 - 1 Mile West
29	PASI60000399011	1/2 - 1 Mile WSW
I30	PASI60000131907	1/2 - 1 Mile South
H31	PASI60000382816	1/2 - 1 Mile West
I32	PASI60000131909	1/2 - 1 Mile South
I33	PASI60000131908	1/2 - 1 Mile South
I34	PASI60000131910	1/2 - 1 Mile South
J36	PASI60000030059	1/2 - 1 Mile South
K37	PASI60000416071	1/2 - 1 Mile SSE
K38	PASI60000416014	1/2 - 1 Mile SSE
K39	PASI60000416072	1/2 - 1 Mile SSE
K40	PASI60000416070	1/2 - 1 Mile SSE
L41	PASI60000399803	1/2 - 1 Mile ESE
L43	PASI60000030074	1/2 - 1 Mile ESE
L44	PASI60000400627	1/2 - 1 Mile ESE
L45	PASI60000400626	1/2 - 1 Mile ESE
46	PASI60000403388	1/2 - 1 Mile ENE
L47	PASI60000400625	1/2 - 1 Mile ESE
M48	PASI60000382292	1/2 - 1 Mile NW
M49	PASI60000382771	1/2 - 1 Mile NW
M50	PASI60000382768	1/2 - 1 Mile NW
51	PASI60000407127	1/2 - 1 Mile ESE
N53	PASI60000030066	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 6861978.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME: Carousel House
 ADDRESS: 4300 Avenue of The Republic
 Philadelphia PA 19131
 LAT/LONG: 39.979285 / 75.213042

CLIENT: Verdantas, LLC
 CONTACT: Eva Gladish
 INQUIRY #: 6861978.2s
 DATE: February 16, 2022 12:54 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000389406

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	08-OCT-10
Local Permit #:	Not Reported		
Owner ID:	7450438	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

A2
SE
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000389407

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	08-OCT-10
Local Permit #:	Not Reported		
Owner ID:	7467274	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

A3
SE
1/8 - 1/4 Mile
Higher

PA WELLS PASI60000390028

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	08-OCT-10
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7457071	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

B4 South 1/4 - 1/2 Mile Higher

FED USGS USGS40001003819

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 519	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19030101
Well Depth:	475	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels, Number of Measurements:	1	Level reading date:	1903-01-01
Feet below surface:	30.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B5 South 1/4 - 1/2 Mile Higher

PA WELLS PASI60000030075

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30077	Local Well #:	PH 519
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	475	Elevation:	120
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-03
Local Permit #:	Not Reported		
Owner ID:	29859	Ownership Date:	01-JAN-03
Construction Date:	01-JAN-03	Driller:	-204
Source of Construction Data:	OTHER/UNKNOWN/UNSPECIFIED	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	Not Reported	Original Driller Name:	Not Reported
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	4.	Static Water Level (ft):	30.
Agency Providing Data:	Drillers Record	WL Measurement Method:	Not Reported
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Status at Test:	Not Reported	Date Discharged:	01-JAN-03
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

**B6
South
1/4 - 1/2 Mile
Higher**

Site ID: 51-43815
 Groundwater Flow: S
 Shallowest Water Table Depth: 8
 Deepest Water Table Depth: 12
 Average Water Table Depth: Not Reported
 Date: 09/13/1994

AQUIFLOW 46506

**B7
South
1/4 - 1/2 Mile
Higher**

FED USGS USGS40001003791

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 520	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19030101
Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1903-01-01
Feet below surface:	30.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**B8
South
1/4 - 1/2 Mile
Higher**

PA WELLS PASI60000030073

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30075	Local Well #:	PH 520
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	500	Elevation:	120
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-03
Local Permit #:	Not Reported		

Owner ID:	29857	Ownership Date:	01-JAN-03
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	01-JAN-03	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	30.
Discharge:	1.	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Agency Providing Data:	Drillers Record	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	01-JAN-03
SiteStatus at Test:	Not Reported		
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

9 South 1/4 - 1/2 Mile Higher	Site ID:	51-30655	
	Groundwater Flow:	S	AQUIFLOW 46520
	Shallowest Water Table Depth:	4.96	
	Deepest Water Table Depth:	21.80	
	Average Water Table Depth:	Not Reported	
	Date:	11/1991	

C10 SW 1/4 - 1/2 Mile Lower			FED USGS USGS40001003837
--	--	--	---------------------------------

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center	Type:	Well
Monitor Location:	PH 521	HUC:	02040203
Description:	Not Reported	Drainage Area Units:	Not Reported
Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Contrib Drainage Area:	Not Reported		
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist	Construction Date:	19060101
Aquifer Type:	Not Reported	Well Depth Units:	ft
Well Depth:	352	Well Hole Depth Units:	Not Reported
Well Hole Depth:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1906-01-01
Feet below surface:	15.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C11
SW
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000030077

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30079	Local Well #:	PH 521
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	352	Elevation:	110
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-06
Local Permit #:	Not Reported		
Owner ID:	29861	Ownership Date:	01-JAN-06
Construction Date:	01-JAN-06	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	40.	Static Water Level (ft):	15.
Agency Providing Data:	Drillers Record	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JAN-06
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

D12
ENE
1/4 - 1/2 Mile
Lower

PA WELLS PASI600000214996

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	215376	Local Well #:	Not Reported
Aquifer:	UNKNOWN	Topography:	Not Reported
Well Depth:	0	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	Not Reported
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	214346	Ownership Date:	Not Reported
Construction Date:	Not Reported	Driller:	Not Reported
Source of Construction Data:	Not Reported	Construction Method:	Not Reported
How Finished:	Not Reported	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	Not Reported
Original Driller Name:	Not Reported		
Discharge Type:	Pumped	Data Source:	WELL OWNER
Discharge Measurement Method:	Reported, Method not known	Static Water Level (ft):	Not Reported
Discharge:	0.4	WL Measurement Method:	Not Reported
Agency Providing Data:	Not Reported	Drawdown (ft):	Not Reported
Production Water Level (ft):	Not Reported	Test Length (min):	Not Reported
Yield (gmp/ft):	Not Reported	Date Discharged:	Not Reported
SiteStatus at Test:	Not Reported		
Site Use:	WITHDRAWAL	Date of Use:	Not Reported
Water Use:	PUBLIC SUPPLY	Notes:	Not Reported
Other Identifier:	1510802	Assigned By:	PA DEP PWSID
Comments:	Population Served = 70		

**D13
ENE
1/4 - 1/2 Mile
Lower**

FRDS PWS PA1510802

Epa region:	03	State:	PA
Pwsid:	PA1510802	Pwsname:	CITY OF PHILA WEST PARK
Cityserved:	Not Reported	Stateserved:	PA
Zipsserved:	Not Reported	Fipscounty:	42101
Status:	Closed	Retpopsrvid:	70
Pwssvconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Local_Govt
Contact:	MICHAEL DE SANTO	Contactorgname:	CITY OF PHILA WEST PARK
Contactphone:	215-685-0116	Contactaddress1:	MEMORIAL HALL PO BOX 21601
Contactaddress2:	Not Reported	Contactcity:	PHILADELPHIA
Contactstate:	PA	Contactzip:	19131
Pwsactivitycode:	I		
PWS ID:	PA1510802	PWS type:	Mailing
PWS name:	WEST PARK COMFORT STATION	PWS address:	%DIRECTOR FAIRMOUNT PARK COMM.
PWS address:	MEMORIAL HALL 42ND & PARKSIDE		
PWS city:	PHILADELPHIA	PWS state:	PA
PWS zip:	19131	PWS name:	CITY OF PHILA WEST PARK
PWS type code:	NC	Retail population served:	70
Contact:	MICHAEL DE SANTO	Contact address:	MEMORIAL HALL PO BOX 21601
Contact address:	PHILADELPHIA	Contact city:	PA
Contact state:	19	Contact zip:	215-685-01
Contact telephone:	Not Reported		
PWS ID:	PA1510802	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000035	System name:	WEST PARK COMFORT STATION
System address:	Not Reported	System address:	WEST RIVERSIDE DRIVE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System city:	PHILADELPHIA	System state:	PA
System zip:	19131		
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	395857	Longitude:	0751220
Violation id:	0130680	Orig code:	S
State:	PA	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	04/01/2001
Cmp edt:	06/30/2001		
Violation id:	0135074	Orig code:	S
State:	PA	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	07/01/2001
Cmp edt:	09/30/2001		
Violation id:	0202782	Orig code:	S
State:	PA	Violation Year:	2001
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2001		
Violation id:	0202783	Orig code:	S
State:	PA	Violation Year:	2001
Contamination code:	1041	Contamination Name:	Nitrite
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2001		
Violation id:	0217704	Orig code:	S
State:	PA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	04/01/2002
Cmp edt:	06/30/2002		
Violation id:	0302918	Orig code:	S
State:	PA	Violation Year:	2002
Contamination code:	1040	Contamination Name:	Nitrate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2002
Cmp edt:	12/31/2002		
Violation id:	0302919	Orig code:	S

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State:	PA	Violation Year:	2002
Contamination code:	1041	Contamination Name:	Nitrite
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	331	Rule name:	Nitrates
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2002
Cmp edt:	12/31/2002		
Violation id:	0629020	Orig code:	S
State:	PA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	09/30/2006		
Violation id:	0822506	Orig code:	S
State:	PA	Violation Year:	2008
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2008
Cmp edt:	09/30/2008		
Violation id:	1238368	Orig code:	S
State:	PA	Violation Year:	2012
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2012
Cmp edt:	09/30/2012		
Violation ID:	0130680	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/14/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	0130680	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/14/2002
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0135074	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/14/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	0135074	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	01/14/2002
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0202782	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	08/05/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0202782	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/29/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0202783	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/29/2002

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0202783	Orig Code:	S
Enforcement FY:	2002	Enforcement Action:	08/05/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0217704	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	10/03/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0217704	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	10/03/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0302918	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	04/23/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0302918	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	07/02/2003
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0302918	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	08/05/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0302919	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	04/23/2003
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0302919	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	08/05/2003
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0302919	Orig Code:	S
Enforcement FY:	2003	Enforcement Action:	07/02/2003
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	0629020	Orig Code:	S
Enforcement FY:	2007	Enforcement Action:	09/26/2007
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0629020	Orig Code:	S
Enforcement FY:	2008	Enforcement Action:	10/02/2007
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	0822506	Orig Code:	S
Enforcement FY:	2009	Enforcement Action:	01/26/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0822506	Orig Code:	S
Enforcement FY:	2009	Enforcement Action:	05/15/2009
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	0822506	Orig Code:	S
Enforcement FY:	2009	Enforcement Action:	05/15/2009
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	0822506	Orig Code:	S
Enforcement FY:	2009	Enforcement Action:	12/09/2008
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	1238368	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	11/07/2012
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1238368	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	11/07/2012
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1238368	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	11/07/2012
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1238368	Orig Code:	S
Enforcement FY:	2013	Enforcement Action:	11/07/2012
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	9929436	Orig Code:	S
Enforcement FY:	2000	Enforcement Action:	01/05/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0130680
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2001 0:00:00	Compliance end date:	6/30/2001 0:00:00
Enforcement date:	1/14/2002 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0130680
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2001 0:00:00	Compliance end date:	6/30/2001 0:00:00
Enforcement date:	1/14/2002 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0135074
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2001 0:00:00	Compliance end date:	9/30/2001 0:00:00
Enforcement date:	1/14/2002 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0135074
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2001 0:00:00	Compliance end date:	9/30/2001 0:00:00
Enforcement date:	1/14/2002 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0202782
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2001 0:00:00
Enforcement date:	7/29/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS type code:	NC	Violation ID:	0202782
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2001 0:00:00
Enforcement date:	8/5/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0202783
Contaminant:	NITRITE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2001 0:00:00
Enforcement date:	7/29/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0202783
Contaminant:	NITRITE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2001 0:00:00
Enforcement date:	8/5/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	0		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0217704
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2002 0:00:00	Compliance end date:	6/30/2002 0:00:00
Enforcement date:	10/3/2002 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0217704
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	4/1/2002 0:00:00	Compliance end date:	6/30/2002 0:00:00
Enforcement date:	10/3/2002 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302918
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	4/23/2003 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302918
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	7/2/2003 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302918
Contaminant:	NITRATE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	8/5/2003 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302918
Contaminant:	NITRITE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	4/23/2003 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302919
Contaminant:	NITRITE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	7/2/2003 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0302919
Contaminant:	NITRITE	Violation type:	3
Compliance start date:	1/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	8/5/2003 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0629020
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2006 0:00:00	Compliance end date:	9/30/2006 0:00:00
Enforcement date:	10/2/2007 0:00:00	Enforcement action:	State Consent Decree/Judgement
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0629020
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2006 0:00:00	Compliance end date:	9/30/2006 0:00:00
Enforcement date:	10/2/2007 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0629020
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2006 0:00:00	Compliance end date:	9/30/2006 0:00:00
Enforcement date:	9/26/2007 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0822506
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	9/30/2008 0:00:00
Enforcement date:	1/26/2009 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	CITY OF PHILA WEST PARK	Population served:	70
PWS type code:	NC	Violation ID:	0822506
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Routine Major (TCR)
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	9/30/2008 0:00:00
Enforcement date:	12/9/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

E14
SSW
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000131912

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132016	Local Well #:	0056N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	14.5	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	10-SEP-86
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	131232	Ownership Date:	Not Reported
Construction Date:	10-SEP-86	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	10-SEP-86
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;1ft=Asph;6ft=Fill;13ft=Brnsand;17=Brnschst		

E15
SSW
1/4 - 1/2 Mile
Lower

PA WELLS PASI60000131913

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132017	Local Well #:	0057N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	17.5	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	10-SEP-86
Local Permit #:	Not Reported		
Owner ID:	131233	Ownership Date:	Not Reported
Construction Date:	10-SEP-86	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	10-SEP-86

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;1ft=Fill;9ft=Brnsand;14.5=Brnschist		

**16
SW
1/4 - 1/2 Mile
Lower**

PA WELLS PASI60000131914

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132018	Local Well #:	0058N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	17.5	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	10-SEP-86
Local Permit #:	Not Reported		
Owner ID:	131234	Ownership Date:	Not Reported
Construction Date:	10-SEP-86	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Finished with Mfg Well Screen	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	10-SEP-86
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;1ft=Asph;6ft=Brnsand;9=Tansand;18=Tanbrnschist		

**E17
SSW
1/2 - 1 Mile
Lower**

PA WELLS PASI60000131911

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132015	Local Well #:	0055N

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	18	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	10-SEP-86
Local Permit #:	Not Reported		
Owner ID:	131231	Ownership Date:	Not Reported
Construction Date:	10-SEP-86	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	New Well		
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	10-SEP-86
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plst;2ft=Asphlt;11ft=Brnsilt;15ft=Brnsand;17.5=Schst		

E18
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40001003714

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 517	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19030101
Well Depth:	242	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported
Ground water levels,Number of Measurements:	1	Level reading date:	1903-01-01
Feet below surface:	16.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E19
SSW
1/2 - 1 Mile
Lower

PA WELLS PASI60000030069

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30071	Local Well #:	PH 517
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	242	Elevation:	100
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-03
Local Permit #:	Not Reported		
Owner ID:	29851	Ownership Date:	01-JAN-03
Construction Date:	01-JAN-03	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	10.	Static Water Level (ft):	16.
Agency Providing Data:	Drillers Record	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JAN-03
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

F20
WNW
1/2 - 1 Mile
Higher

PA WELLS PASI600000411657

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	30	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	08-FEB-13
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7475125	Ownership Date:	Not Reported
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	1.	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

**F21
WNW
1/2 - 1 Mile
Higher****PA WELLS PASI60000410478**

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	37	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-NOV-12
Local Permit #:	Not Reported		

Owner ID:	7473916	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

**F22
WNW
1/2 - 1 Mile
Higher****PA WELLS PASI60000410477**

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	37	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-NOV-12
Local Permit #:	Not Reported		

Owner ID:	7473915	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F23
WNW
1/2 - 1 Mile
Higher

PA WELLS PASI60000410505

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	32	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-NOV-12
Local Permit #:	Not Reported		
Owner ID:	7473918	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

F24
WNW
1/2 - 1 Mile
Higher

PA WELLS PASI60000410504

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	32	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	28-NOV-12
Local Permit #:	Not Reported		
Owner ID:	7473917	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

G25
WSW
1/2 - 1 Mile
Higher

FED USGS USGS40001003894

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 522	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19321001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Depth:	500	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

G26
WSW
1/2 - 1 Mile
Higher

PA WELLS PASI60000030081

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30083	Local Well #:	PH 522
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	500	Elevation:	120
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-OCT-32
Local Permit #:	Not Reported		
Owner ID:	29865	Ownership Date:	01-OCT-32
Construction Date:	01-OCT-32	Driller:	-387
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	9.	Static Water Level (ft):	Not Reported
Agency Providing Data:	Not Reported	WL Measurement Method:	Not Reported
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	Not Reported
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

H27
WSW
1/2 - 1 Mile
Higher

PA WELLS PASI60000383237

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	18
Saltwater Zone:	0	Date Drilled:	22-DEC-08

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local Permit #:	Not Reported		
Owner ID:	7450936	Ownership Date:	Not Reported
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	1.
Static Water Level (ft):	21.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Monitoring Well #Rw8-B (Ward 44 & 52)		

H28
West
1/2 - 1 Mile
Higher

PA WELLS PASI60000383208

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	18
Saltwater Zone:	0	Date Drilled:	22-DEC-08
Local Permit #:	Not Reported		
Owner ID:	7466537	Ownership Date:	Not Reported
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	5.
Static Water Level (ft):	21.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported
Comments:	Monitoring Well #Rw8-A (Ward 44 & 52)		

29
WSW
1/2 - 1 Mile
Higher

PA WELLS PASI60000399011

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	11
Saltwater Zone:	0	Date Drilled:	15-JAN-09
Local Permit #:	Not Reported		

Owner ID:	7463555	Ownership Date:	Not Reported
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Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	7.
Static Water Level (ft):	20.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Monitoring Well #9

I30
South
1/2 - 1 Mile
Lower

PA WELLS PASI60000131907

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132011	Local Well #:	0051N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUL-85
Local Permit #:	Not Reported		

Owner ID:	131227	Ownership Date:	Not Reported
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Construction Date:	01-JUL-85	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Not Reported	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	New Well
Original Driller Name:	Not Reported		

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JUL-85

Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported

Comments: 1ft=Asphaltgravel;28ft=Clay And Sand

H31 West 1/2 - 1 Mile Higher

PA WELLS PASI60000382816

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	25	Elevation:	0
Site Type:	W	Depth to Bedrock:	18
Saltwater Zone:	0	Date Drilled:	15-JAN-09
Local Permit #:	Not Reported		

Owner ID:	7456087	Ownership Date:	Not Reported
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Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Estimated	Discharge:	5.
Static Water Level (ft):	20.	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: Monitoring Well #Rw-8c

I32 South 1/2 - 1 Mile Lower

PA WELLS PASI60000131909

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132013	Local Well #:	0053N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUL-85
Local Permit #:	Not Reported		

Owner ID:	131229	Ownership Date:	Not Reported
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Construction Date:	01-JUL-85	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Not Reported	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	New Well
Original Driller Name:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JUL-85
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plast;1ft=Asphtgrav;26ft=Claysand;28ft=Grayschist		

I33
South
1/2 - 1 Mile
Lower

PA WELLS PASI60000131908

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132012	Local Well #:	0052N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	27	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUL-85
Local Permit #:	Not Reported		
Owner ID:	131228	Ownership Date:	Not Reported
Construction Date:	01-JUL-85	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Not Reported	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	New Well
Original Driller Name:	Not Reported		
Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JUL-85
Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported
Comments:	Cas.Mat=Plast;1ft=Asphaltgrav;23ft=Claysand;27ft=Grayschist		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

I34
South
1/2 - 1 Mile
Lower

PA WELLS PASI60000131910

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	132014	Local Well #:	0054N
Aquifer:	PENSAUKEN FORMATION	Topography:	Flat Surface
Well Depth:	26	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JUL-85
Local Permit #:	Not Reported		

Owner ID:	131230	Ownership Date:	Not Reported
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Construction Date:	01-JUL-85	Driller:	1696
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Not Reported
How Finished:	Not Reported	Driller Well ID:	Not Reported
Reason Abandoned:	Not Reported	Construction Type:	New Well
Original Driller Name:	Not Reported		

Discharge Type:	Unknown	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	Not Reported	Agency Providing Data:	Drillers Record
WL Measurement Method:	REPORTED, METHOD NOT KNOWN		
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JUL-85

Lithology:	Not Reported	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported

Site Use:	TEST	Date of Use:	Not Reported
Water Use:	INDUSTRIAL	Notes:	Not Reported

Comments: Cas.Mat=Plst;1ft=Asphltgrav;23ft=Claysand;26ft=Grayschist

J35
South
1/2 - 1 Mile
Lower

FED USGS USGS40001003538

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 516	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19170801
Well Depth:	170	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground water levels, Number of Measurements:	1	Level reading date:	1954-10-28
Feet below surface:	19.82	Feet to sea level:	Not Reported
Note:	Not Reported		

J36
South
1/2 - 1 Mile
Lower

PA WELLS PASI60000030059

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30061	Local Well #:	PH 516
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	170	Elevation:	105
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-AUG-17
Local Permit #:	Not Reported		
Owner ID:	29840	Ownership Date:	01-AUG-17
Construction Date:	01-AUG-17	Driller:	-387
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole	Reason Abandoned:	Not Reported
Driller Well ID:	Not Reported	Original Driller Name:	Not Reported
Construction Type:	Not Reported		
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	19.8	Agency Providing Data:	Usgs Or Pags
WL Measurement Method:	STEEL TAPE	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	STATIC WATER LEVEL
Date Discharged:	28-OCT-54		
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

K37
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000416071

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	08-AUG-13

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local Permit #: MW-3

Owner ID: 7479367

Ownership Date: Not Reported

Site Use: K

Date of Use: Not Reported

Water Use: Not Reported

Notes: Not Reported

**K38
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000416014

Database: Pennsylvania Groundwater Information System

GWIS ID: 0

Local Well #: Not Reported

Aquifer: Not Reported

Topography: Not Reported

Well Depth: 40

Elevation: 0

Site Type: W

Depth to Bedrock: 0

Saltwater Zone: 0

Date Drilled: 07-AUG-13

Local Permit #: MW-2

Owner ID: 7479366

Ownership Date: Not Reported

Site Use: K

Date of Use: Not Reported

Water Use: Not Reported

Notes: Not Reported

**K39
SSE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000416072

Database: Pennsylvania Groundwater Information System

GWIS ID: 0

Local Well #: Not Reported

Aquifer: Not Reported

Topography: Not Reported

Well Depth: 40

Elevation: 0

Site Type: W

Depth to Bedrock: 0

Saltwater Zone: 0

Date Drilled: 08-AUG-13

Local Permit #: 4MW-3

Owner ID: 7479368

Ownership Date: Not Reported

Site Use: K

Date of Use: Not Reported

Water Use: Not Reported

Notes: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

K40
SSE
1/2 - 1 Mile
Lower

PA WELLS PASI60000416070

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	07-AUG-13
Local Permit #:	MW-1		
Owner ID:	7479365	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

L41
ESE
1/2 - 1 Mile
Lower

PA WELLS PASI60000399803

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	21-OCT-11
Local Permit #:	Not Reported		
Owner ID:	7447241	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Sunoco: 3750 West Girard Ave., Phila. Pa

L42
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40001003808

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 518	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer Type:	Not Reported	Construction Date:	19040101
Well Depth:	450	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels, Number of Measurements:	1	Level reading date:	1904-01-01
Feet below surface:	50.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**L43
ESE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000030074

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30076	Local Well #:	PH 518
Aquifer:	WISSAHICKON FORMATION	Topography:	Hillside
Well Depth:	450	Elevation:	80
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-04
Local Permit #:	Not Reported		
Owner ID:	29858	Ownership Date:	01-JAN-04
Construction Date:	01-JAN-04	Driller:	-204
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	Not Reported	Original Driller Name:	Not Reported
Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	15.	Static Water Level (ft):	50.
Agency Providing Data:	Drillers Record	WL Measurement Method:	REPORTED, METHOD NOT KNOWN
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported
Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	01-JAN-04
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

L44
ESE
1/2 - 1 Mile
Lower

PA WELLS PASI60000400627

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	28	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	24-OCT-11
Local Permit #:	Not Reported		

Owner ID:	7466813	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Sunoco: 3750 West Girard Ave., Phila. Pa

L45
ESE
1/2 - 1 Mile
Lower

PA WELLS PASI60000400626

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	20-OCT-11
Local Permit #:	Not Reported		

Owner ID:	7451721	Ownership Date:	Not Reported
-----------	---------	-----------------	--------------

Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Sunoco: 3750 West Girard Ave., Phila. Pa

46
ENE
1/2 - 1 Mile
Lower

PA WELLS PASI60000403388

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	300	Elevation:	0
Site Type:	W	Depth to Bedrock:	21
Saltwater Zone:	0	Date Drilled:	23-AUG-10
Local Permit #:	None		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID:	7465359	Ownership Date:	Not Reported
Site Use:	J	Date of Use:	Not Reported
Water Use:	GEOTHERMAL	Notes:	Not Reported
Comments:	Drilling Of Three - 300' Geothermal Closed Looped Wells In East Park Of Fairmount Park Off Of Mt. Pleasant Dr. With Closes Intersection Of Fountain Green.		

**L47
ESE
1/2 - 1 Mile
Lower**

PA WELLS PASI60000400625

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	40	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	21-OCT-11
Local Permit #:	Not Reported		

Owner ID:	7460141	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Sunoco: 3750 West Girard Ave., Phila. Pa

**M48
NW
1/2 - 1 Mile
Higher**

PA WELLS PASI60000382292

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	15	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-SEP-11
Local Permit #:	Not Reported		

Owner ID:	7455991	Ownership Date:	Not Reported
Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Former Bill'S Auto: 1952 Bryn Mawr Ave., Phila. Pa

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

M49
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000382771

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	20	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	29-SEP-11
Local Permit #:	Not Reported		

Owner ID:	7451621	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Former Bill'S Auto: 1952 Bryn Mawr Ave., Phila. Pa

M50
NW
1/2 - 1 Mile
Higher

PA WELLS PASI60000382768

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	22	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	30-SEP-11
Local Permit #:	Not Reported		

Owner ID:	7451620	Ownership Date:	Not Reported
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Site Use:	K	Date of Use:	Not Reported
Water Use:	Not Reported	Notes:	Not Reported

Comments: The Site Is At The Former Bill'S Auto: 1952 Bryn Mawr Ave., Phila. Pa

51
ESE
1/2 - 1 Mile
Lower

PA WELLS PASI60000407127

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	0	Local Well #:	Not Reported
Aquifer:	Not Reported	Topography:	Not Reported
Well Depth:	500	Elevation:	0
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	13-APR-12
Local Permit #:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner ID: 7470528 Ownership Date: Not Reported

Site Use: J Date of Use: Not Reported
Water Use: Not Reported Notes: Not Reported

Comments: 34 Wells Similar Geology On All

**N52
SW
1/2 - 1 Mile
Lower**

FED USGS USGS40001003632

Organization ID:	USGS-PA		
Organization Name:	USGS Pennsylvania Water Science Center		
Monitor Location:	PH 524	Type:	Well
Description:	Not Reported	HUC:	02040203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Wissahickon Formation, Oligoclase Mica Schist		
Aquifer Type:	Not Reported	Construction Date:	19500101
Well Depth:	426	Well Depth Units:	ft
Well Hole Depth:	480	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1950-01-01
Feet below surface:	0.1	Feet to sea level:	Not Reported
Note:	Not Reported		

**N53
SW
1/2 - 1 Mile
Lower**

PA WELLS PASI60000030066

Database:	Pennsylvania Groundwater Information System		
GWIS ID:	30068	Local Well #:	PH 524
Aquifer:	WISSAHICKON FORMATION	Topography:	Hilltop
Well Depth:	426	Elevation:	100
Site Type:	W	Depth to Bedrock:	0
Saltwater Zone:	0	Date Drilled:	01-JAN-50
Local Permit #:	Not Reported		

Owner ID: 29848 Ownership Date: 01-JAN-50

Construction Date:	01-JAN-50	Driller:	-221
Source of Construction Data:	DRILLERS RECORD	Construction Method:	Cable Tool
How Finished:	Unsupported (Uncased) Borehole		
Driller Well ID:	Not Reported	Reason Abandoned:	Not Reported
Construction Type:	Not Reported	Original Driller Name:	Not Reported

Discharge Type:	Pumped	Data Source:	DRILLERS RECORD
Discharge Measurement Method:	Reported, Method not known		
Discharge:	75.	Static Water Level (ft):	Not Reported
Agency Providing Data:	Not Reported	WL Measurement Method:	Not Reported
Production Water Level (ft):	Not Reported	Drawdown (ft):	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Yield (gmp/ft):	Not Reported	Test Length (min):	Not Reported
SiteStatus at Test:	Not Reported	Date Discharged:	Not Reported
Discharge Type:	Pumped	Data Source:	USGS OR PAGES
Discharge Measurement Method:	Not Reported	Discharge:	5.
Static Water Level (ft):	0.1588235	Agency Providing Data:	Not Reported
WL Measurement Method:	Not Reported	Production Water Level (ft):	3.1
Drawdown (ft):	Not Reported	Yield (gmp/ft):	1.7
Test Length (min):	0.5	SiteStatus at Test:	Not Reported
Date Discharged:	Not Reported		
Discharge Type:	Not Reported	Data Source:	Not Reported
Discharge Measurement Method:	Not Reported	Discharge:	Not Reported
Static Water Level (ft):	0.1	Agency Providing Data:	Usgs Or Pags
WL Measurement Method:	ESTIMATED	Production Water Level (ft):	Not Reported
Drawdown (ft):	Not Reported	Yield (gmp/ft):	Not Reported
Test Length (min):	Not Reported	SiteStatus at Test:	STATIC WATER LEVEL
Date Discharged:	01-JAN-50		
Lithology:	SCHIST	Contributing Unit:	Primary
Top of Interval:	Not Reported	Bottom of Interval:	Not Reported
Site Use:	DESTROYED	Date of Use:	Not Reported
Water Use:	UNUSED	Notes:	Not Reported
Agency Site Use:	Inventory Data Site Only	Agency Use Date:	Not Reported

1G South 1/4 - 1/2 Mile Lower	Site ID:	51-43815	AQUIFLOW	46506
	Groundwater Flow:	S		
	Shallowest Water Table Depth:	8		
	Deepest Water Table Depth:	12		
	Average Water Table Depth:	Not Reported		
	Date:	09/13/1994		

2G South 1/4 - 1/2 Mile Lower	Site ID:	51-30655	AQUIFLOW	46520
	Groundwater Flow:	S		
	Shallowest Water Table Depth:	4.96		
	Deepest Water Table Depth:	21.80		
	Average Water Table Depth:	Not Reported		
	Date:	11/1991		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

State Database: PA Radon

Radon Test Results

Zipcode	Num Tests	Min pCi/L	Max pCi/L	Avg pCi/L
19104	395	0.1	27.4	2.4

EPA Region 3 Statistical Summary Readings for Zip Code: 19104

Number of sites tested: 276.

Maximum Radon Level: 41.2 pCi/L.

Minimum Radon Level: 0.1 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
247 (89.49%)	24 (8.70%)	4 (1.45%)	1 (0.36%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for PHILADELPHIA County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Pennsylvania Spatial Data Access

Telephone: 610-344-6105

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Pennsylvania Groundwater Information System

Source: Department of Conservation and Natural Resources

Telephone: 717-702-2045

OTHER STATE DATABASE INFORMATION

Pennsylvania Oil and Gas Locations

Source: Pennsylvania Department of Environmental Protection

Telephone: 814-863-0104

An Oil and Gas Location is a DEP primary facility type related to the Oil & Gas Program. The sub-facility types related to Oil and Gas that are included in this layer are: Land Application -- An area where drilling cuttings or waste are disposed by land application; Well -- A well associated with oil and/or gas production; Pit -- An approved pit that is used for storage of oil and gas well fluids. Some sub facility types are not included in this layer due to security policies.

RADON

State Database: PA Radon

Source: Department of Environmental Protection

Telephone: 717-783-3594

Radon Test Results Statistics by Zip Code

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

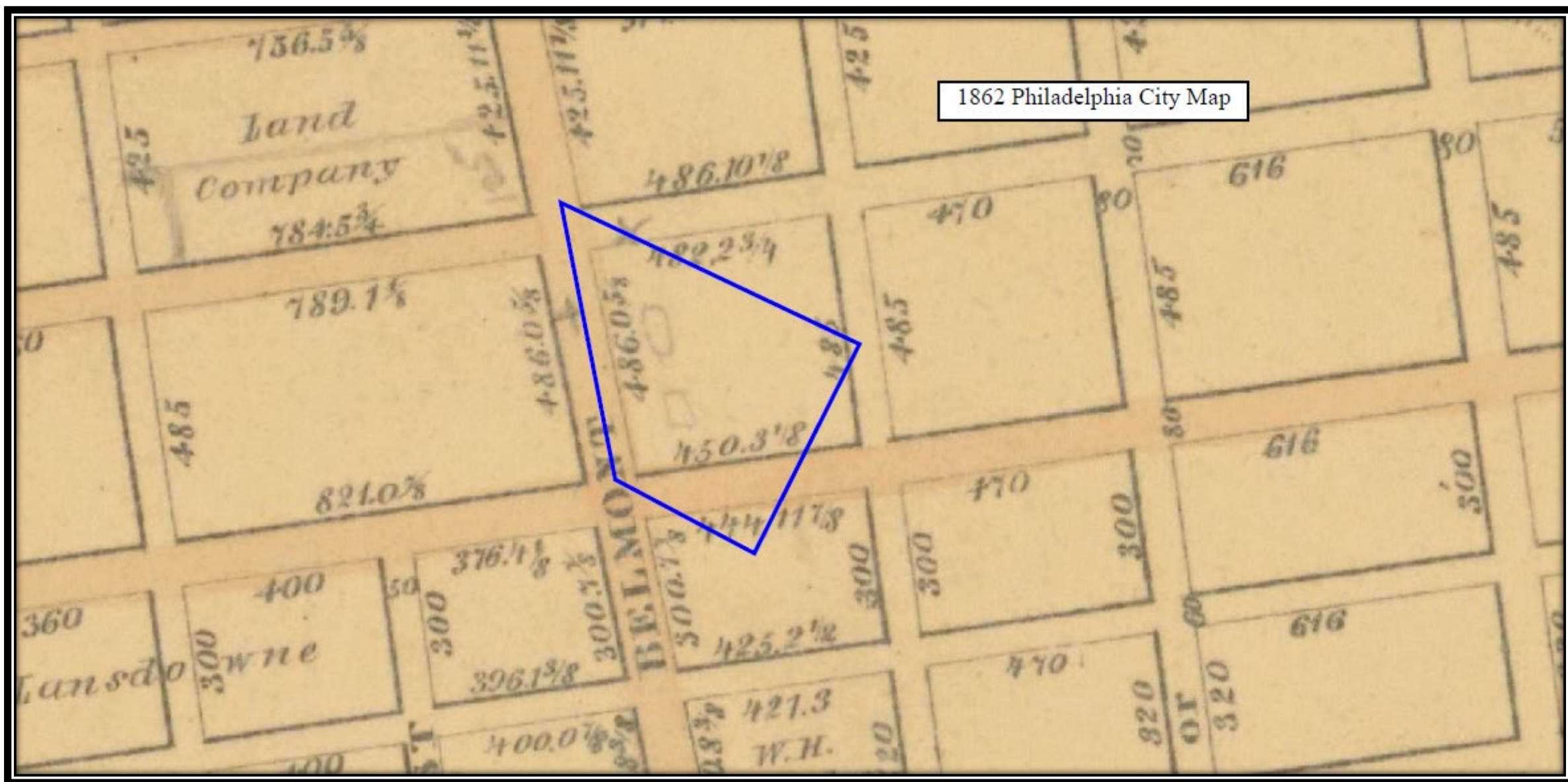
STREET AND ADDRESS INFORMATION

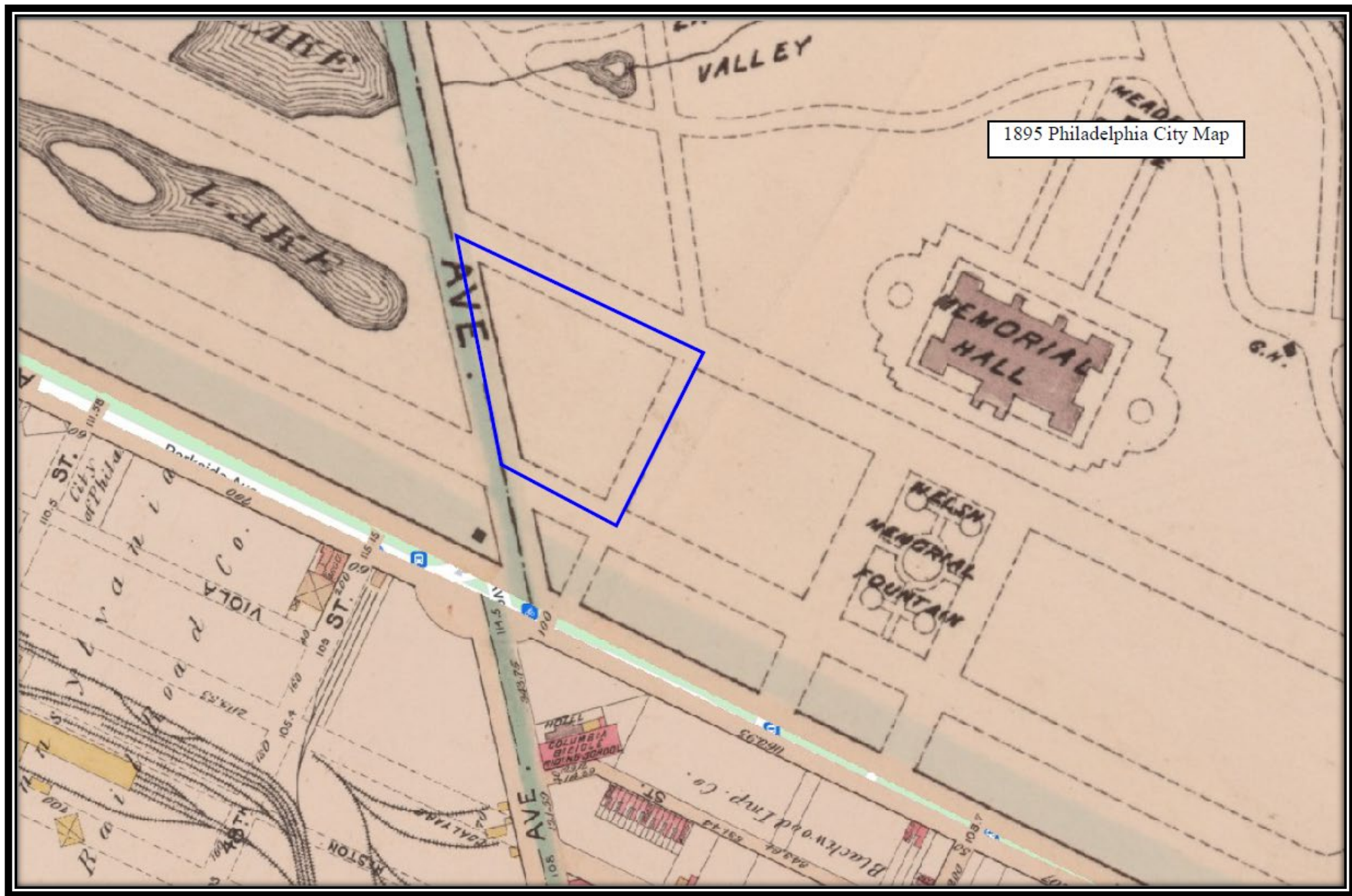
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APPENDIX E

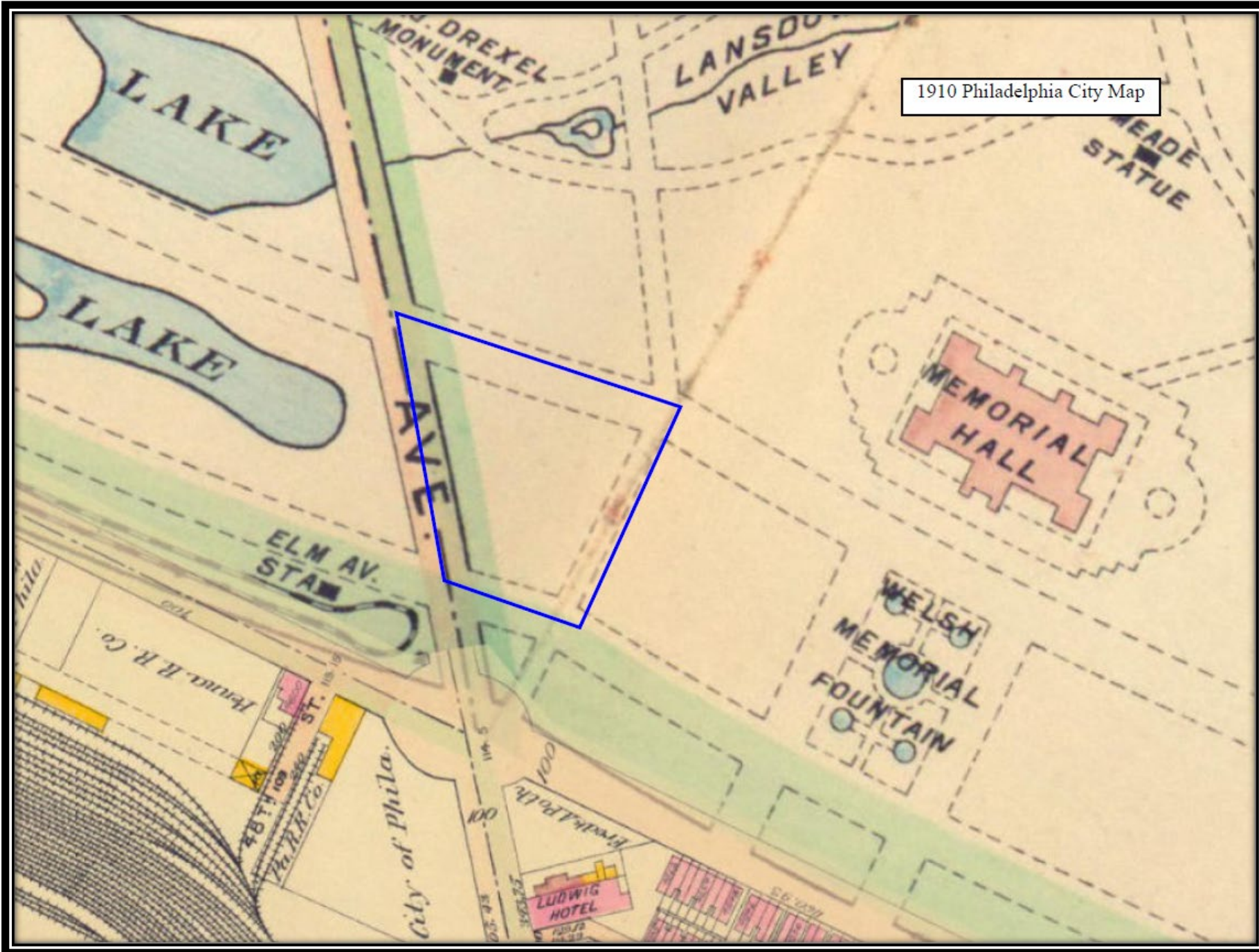
PHILADELPHIA GEOHISTORY MAPS

1862 Philadelphia City Map

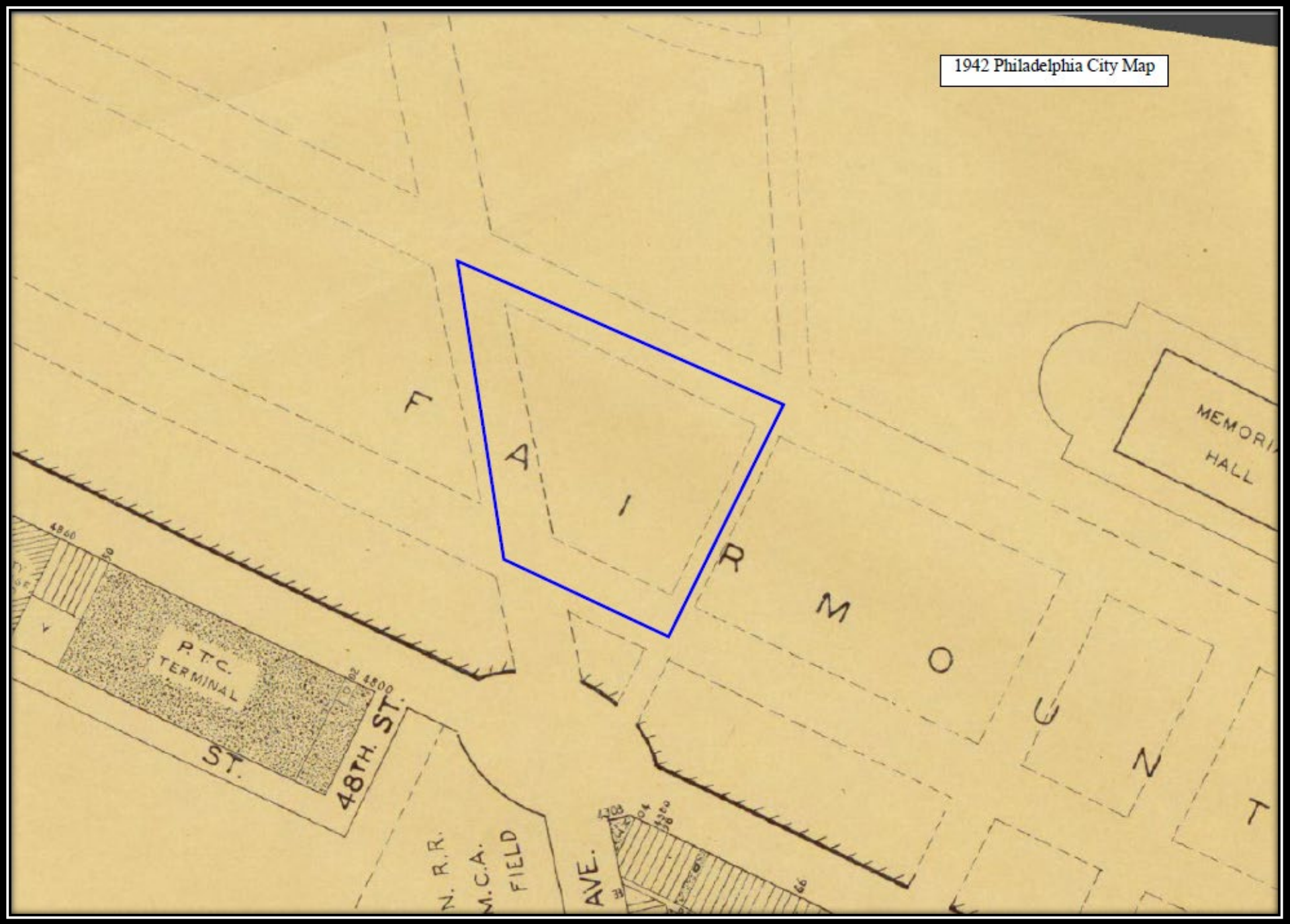




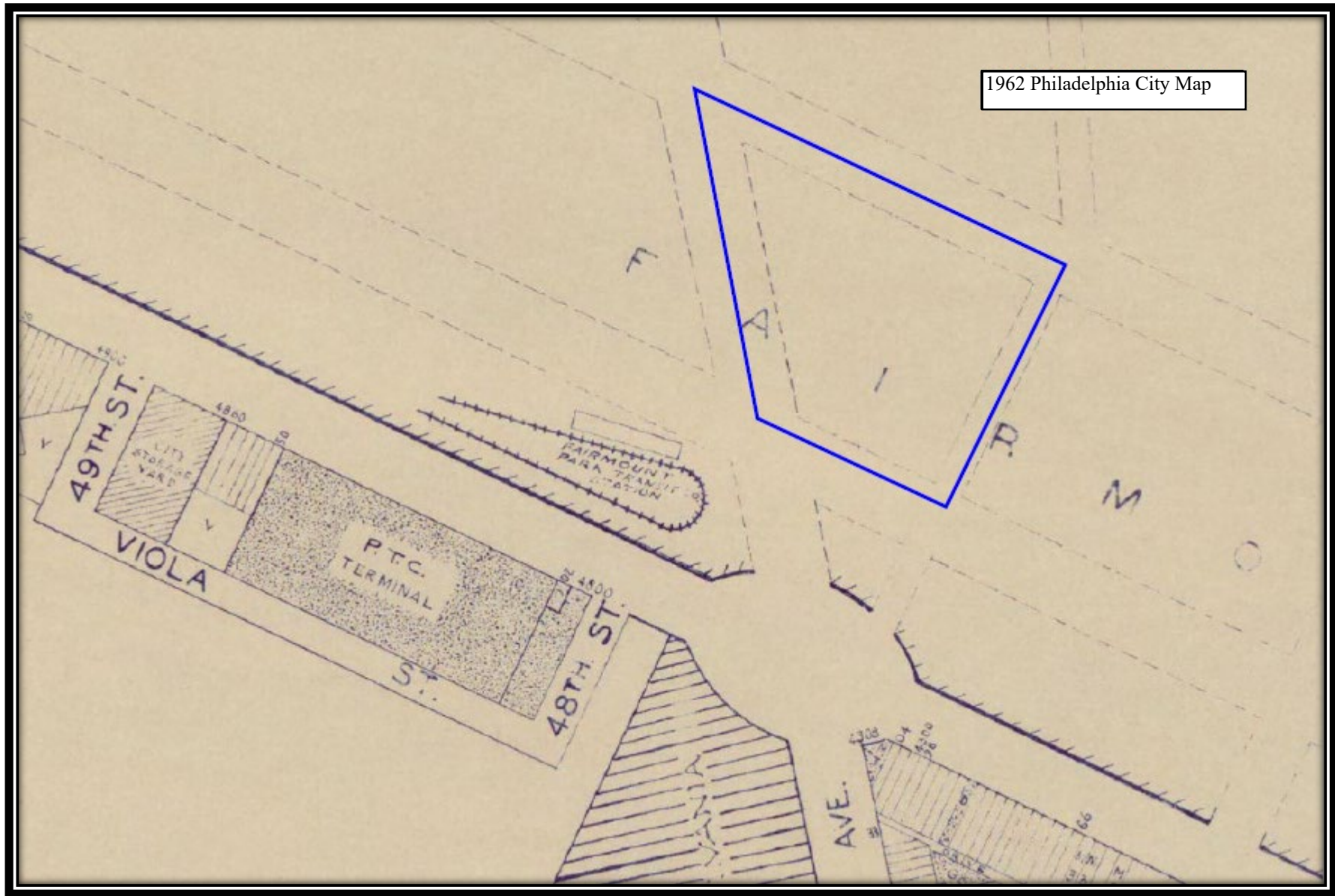
1895 Philadelphia City Map



1910 Philadelphia City Map



1962 Philadelphia City Map



APPENDIX F

HISTORICAL AERIAL MAPS

Carousel House

4300 Avenue of The Republic

Philadelphia, PA 19131

Inquiry Number: 6861978.5

February 16, 2022

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

02/16/22

Site Name:

Carousel House
4300 Avenue of The Republic
Philadelphia, PA 19131
EDR Inquiry # 6861978.5

Client Name:

Verdantas, LLC
5400 Limestone Road
Wilmington, DE 19808
Contact: Eva Gladish



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1992	1"=500'	Acquisition Date: January 01, 1992	USGS/DOQQ
1988	1"=500'	Flight Date: May 27, 1988	NAPP
1981	1"=500'	Flight Date: April 21, 1981	USDA
1975	1"=500'	Flight Date: March 17, 1975	EDR Proprietary Aerial Viewpoint
1971	1"=500'	Flight Date: May 18, 1971	USDA
1967	1"=500'	Flight Date: October 20, 1967	USGS
1965	1"=500'	Flight Date: April 04, 1965	EDR Proprietary Aerial Viewpoint
1953	1"=500'	Flight Date: March 11, 1953	USGS
1950	1"=500'	Flight Date: May 27, 1950	EDR Proprietary Aerial Viewpoint
1945	1"=500'	Flight Date: March 08, 1945	EDR Proprietary Aerial Viewpoint
1942	1"=500'	Flight Date: October 08, 1942	USDA

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INQUIRY #: 6861978.5

YEAR: 2017

— = 500'





INQUIRY #: 6861978.5

YEAR: 2013

1" = 500'





INQUIRY #: 6861978.5

YEAR: 2010

1" = 500'





INQUIRY #: 6861978.5

YEAR: 2005

— = 500'





INQUIRY #: 6861978.5

YEAR: 1999

1" = 500'





INQUIRY #: 6861978.5

YEAR: 1992

1" = 500'





INQUIRY #: 6861978.5

YEAR: 1988

— = 500'





INQUIRY #: 6861978.5

YEAR: 1981

— = 500'



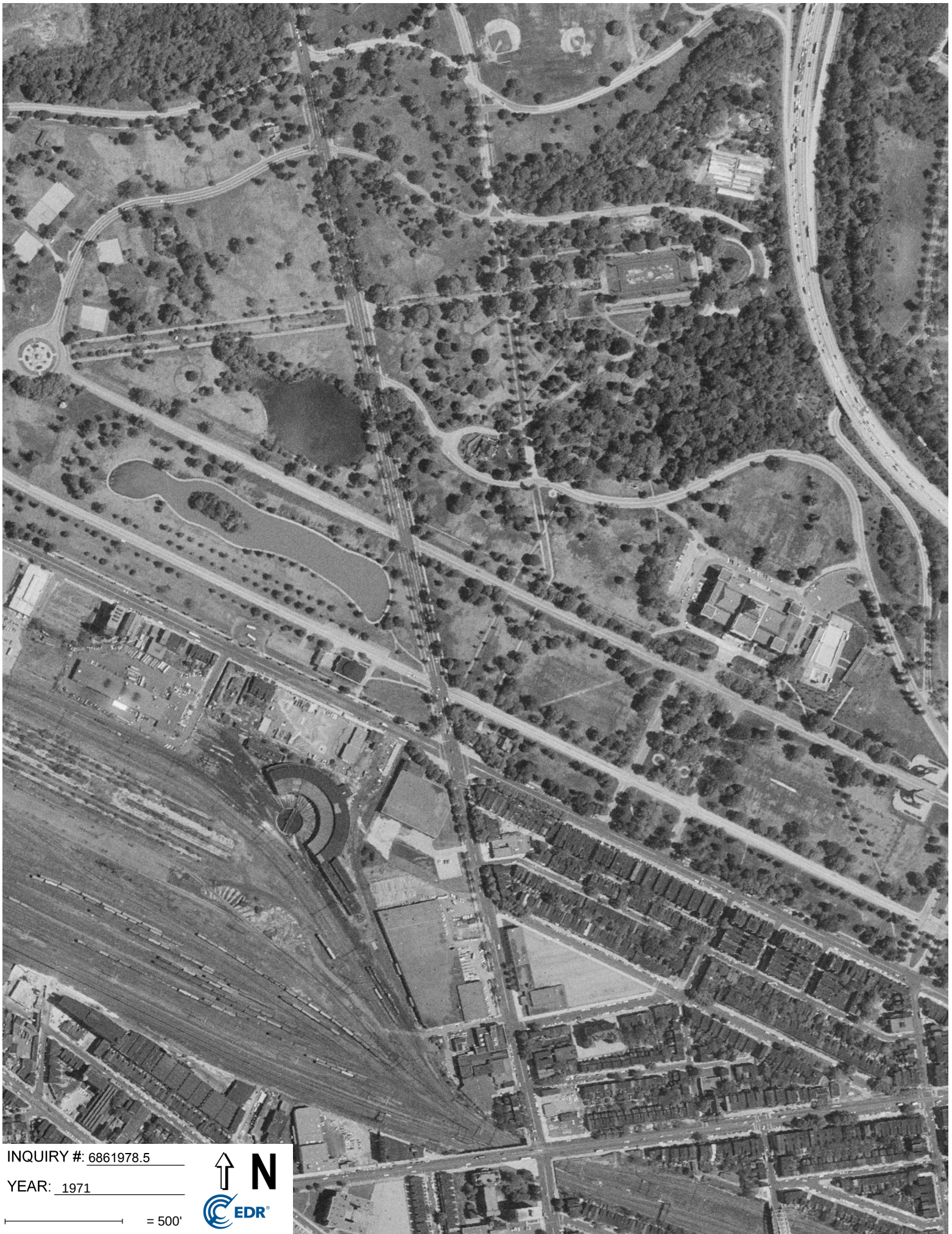


INQUIRY #: 6861978.5

YEAR: 1975

— = 500'





INQUIRY #: 6861978.5

YEAR: 1971

— = 500'





INQUIRY #: 6861978.5

YEAR: 1967

— = 500'





INQUIRY #: 6861978.5

YEAR: 1965

— = 500'





INQUIRY #: 6861978.5

YEAR: 1953

— = 500'



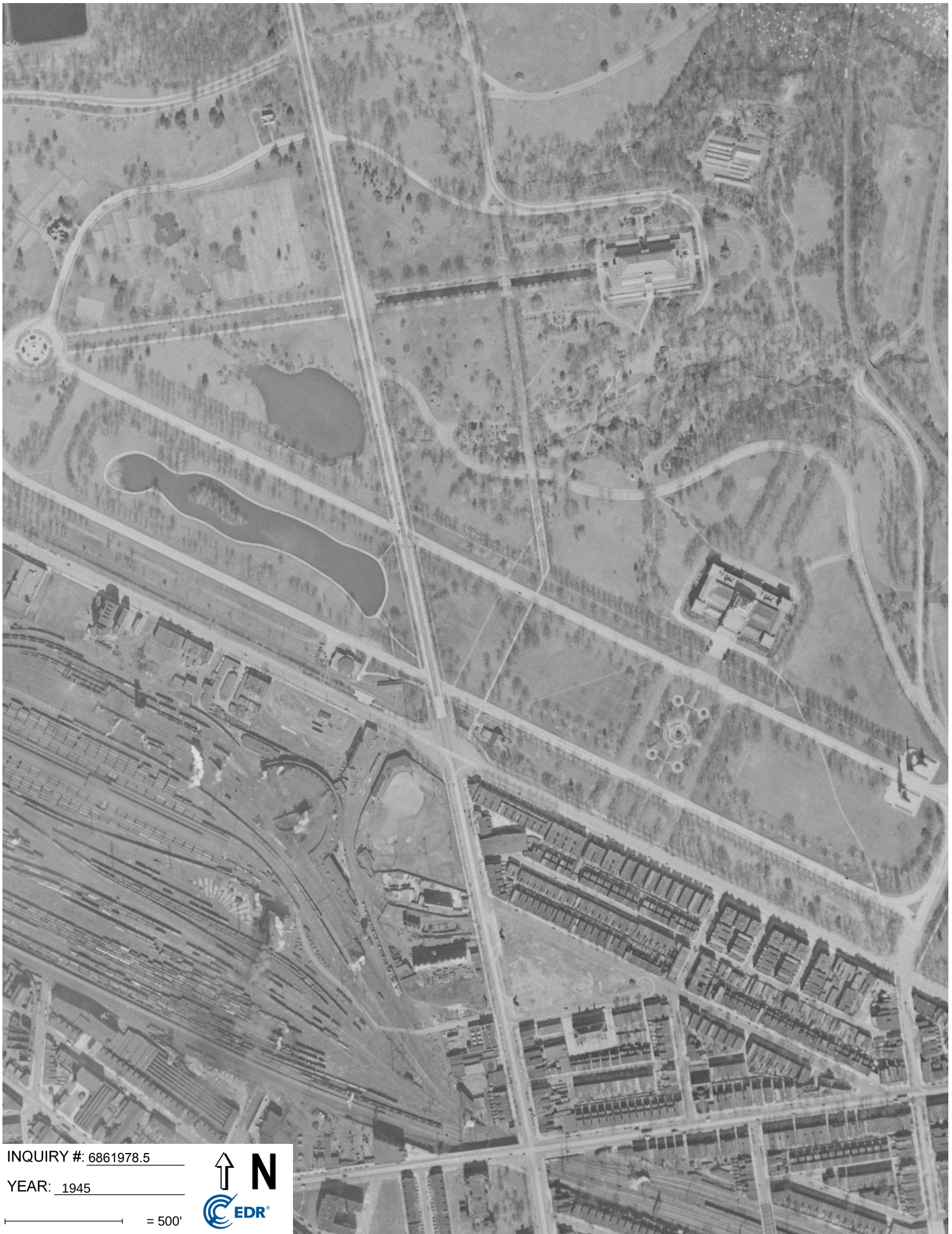


INQUIRY #: 6861978.5

YEAR: 1950

— = 500'





INQUIRY #: 6861978.5

YEAR: 1945

— = 500'





INQUIRY #: 6861978.5

YEAR: 1942

— = 500'



APPENDIX G

CERTIFIED SANBORN FIRE INSURANCE MAPS



Carousel House
4300 Avenue of The Republic
Philadelphia, PA 19131

Inquiry Number: 6861978.3
February 16, 2022

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/16/22

Site Name:

Carousel House
4300 Avenue of The Republic
Philadelphia, PA 19131
EDR Inquiry # 6861978.3

Client Name:

Verdantas, LLC
5400 Limestone Road
Wilmington, DE 19808
Contact: Eva Gladish



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Verdantas, LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 5549-41E5-B2D9

PO # 14378

Project COP Carousel House Phase I ESA

Maps Provided:

2005
2003
2001
1989
1978
1974
1950
1925



Sanborn® Library search results

Certification #: 5549-41E5-B2D9

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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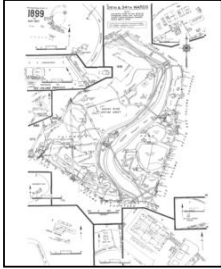
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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

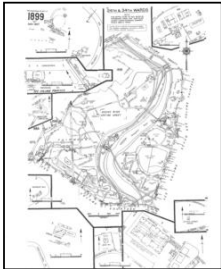


2005 Source Sheets



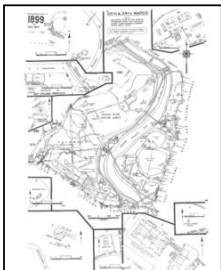
Volume 19, Sheet 1899
2005

2003 Source Sheets



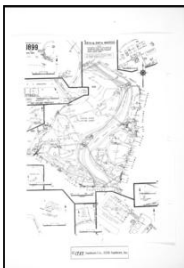
Volume 19, Sheet 1899
2003

2001 Source Sheets



Volume 19, Sheet 1899
2001

1989 Source Sheets



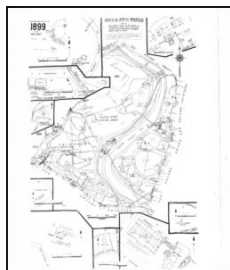
Volume 19, Sheet 1899
1989

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1978 Source Sheets



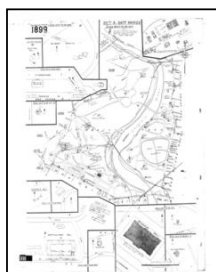
Volume 19, Sheet 1899
1978

1974 Source Sheets



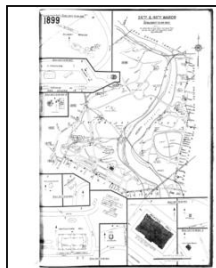
Volume 19, Sheet 1899
1974

1950 Source Sheets

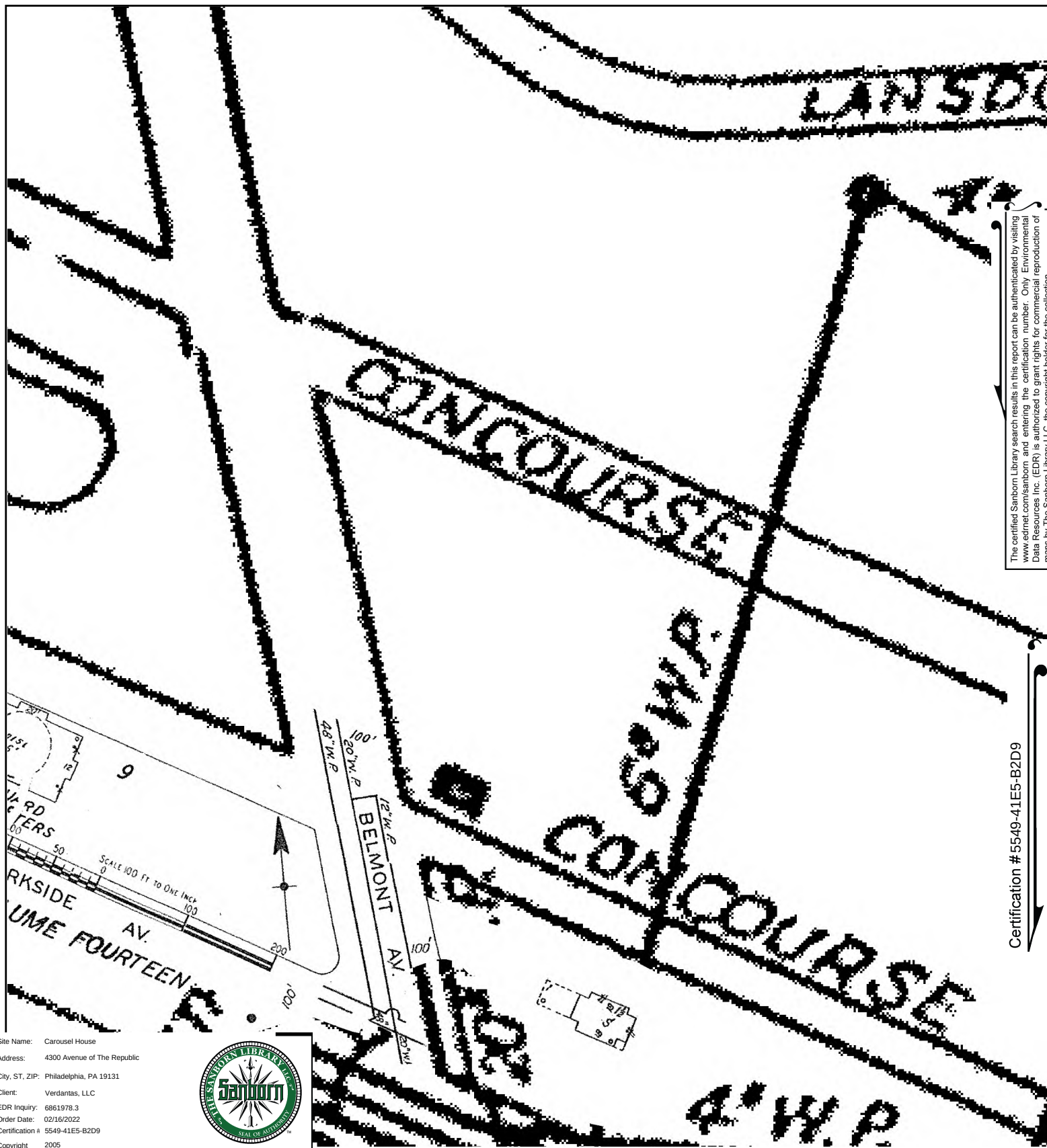


Volume 19, Sheet 1899
1950

1925 Source Sheets



Volume 19, Sheet 1899
1925



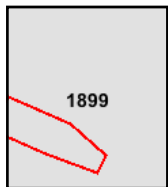
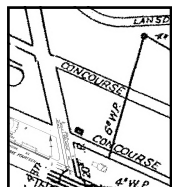
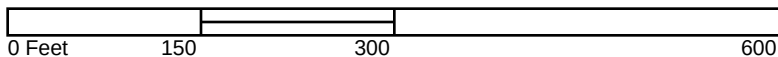
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Certification #5549-41E5-B2D9

Site Name: Carousel House
 Address: 4300 Avenue of The Republic
 City, ST, ZIP: Philadelphia, PA 19131
 Client: Verdantas, LLC
 EDR Inquiry: 6861978.3
 Order Date: 02/16/2022
 Certification #: 5549-41E5-B2D9
 Copyright: 2005

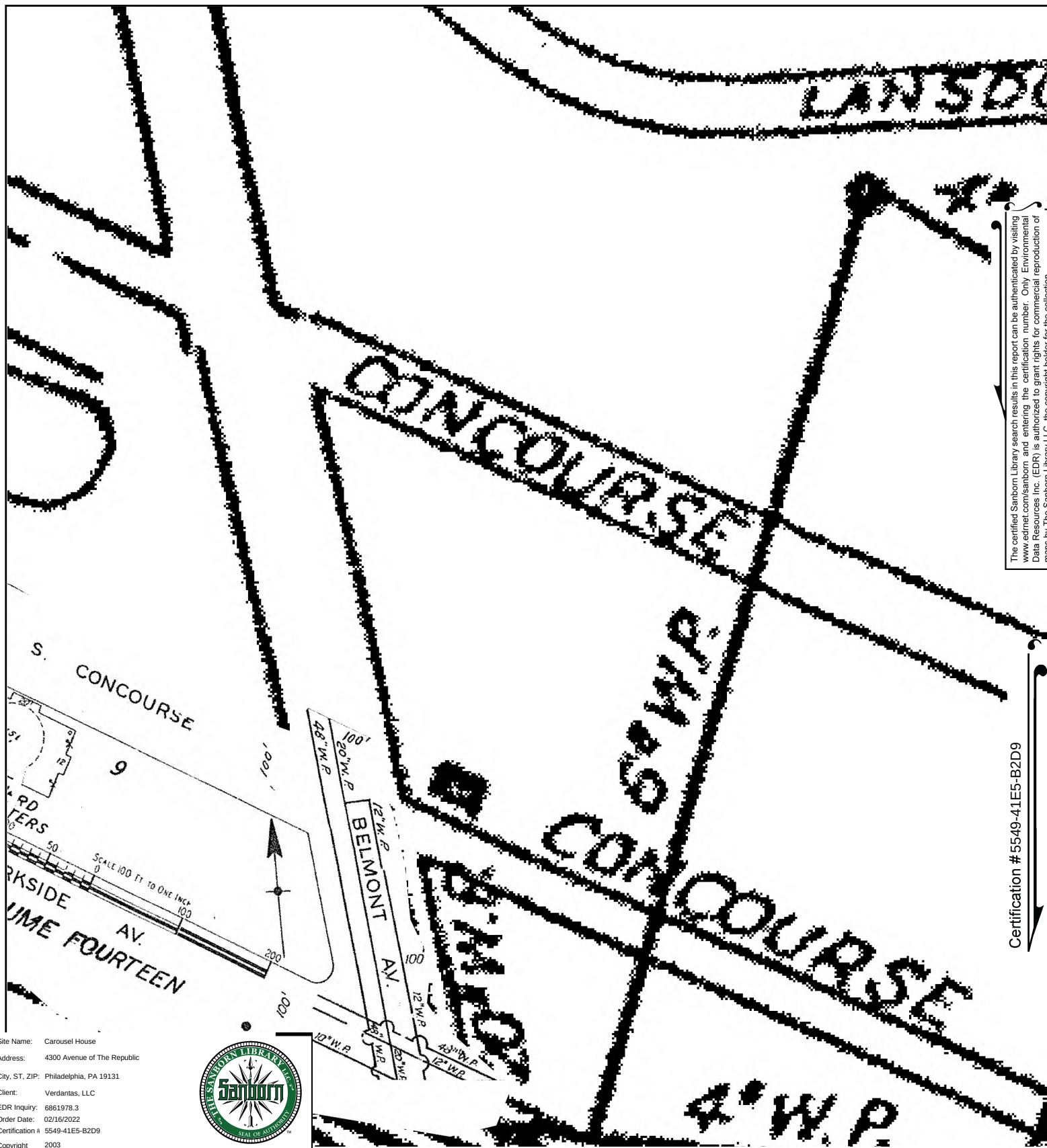


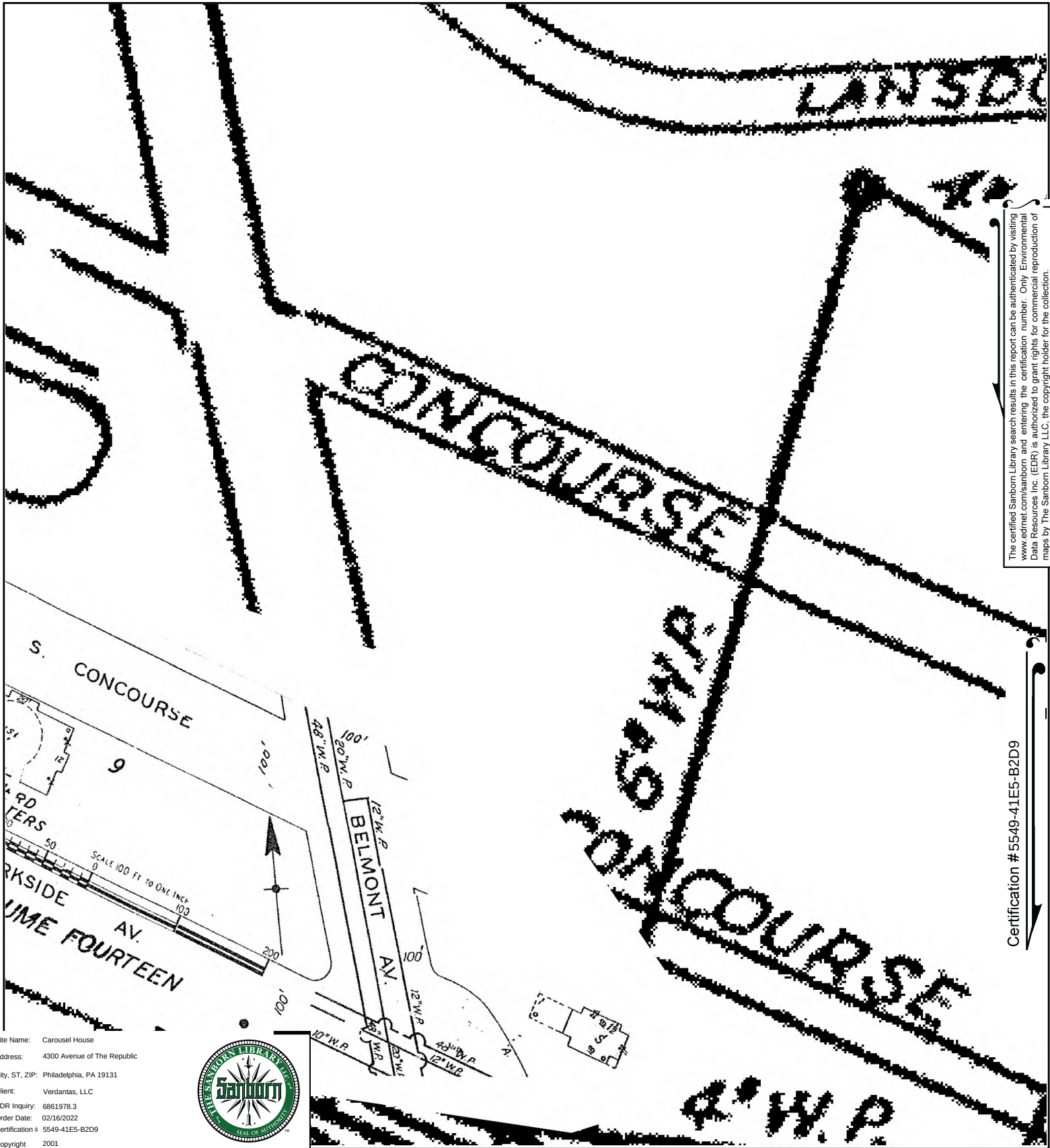
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Volume 19, Sheet 1899







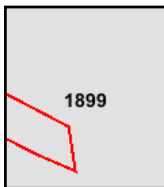
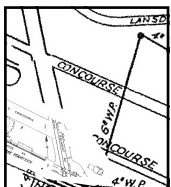
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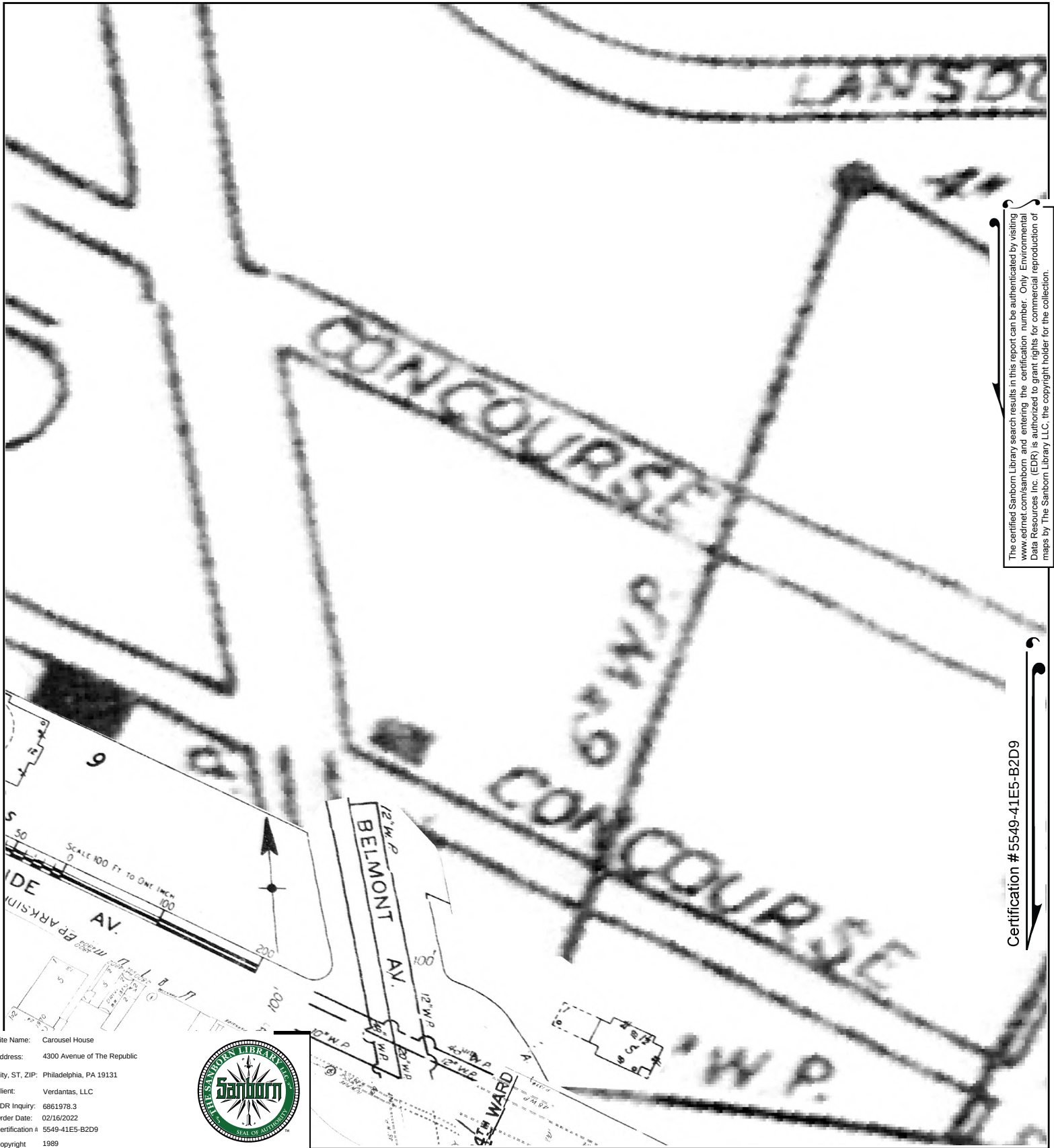
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 Address: 4300 Avenue of The Republic
 City, ST, ZIP: Philadelphia, PA 19131
 Client: Verdantas, LLC
 EDR Inquiry: 6861978.3
 Order Date: 02/16/2022
 Certification #: 5549-41E5-B2D9
 Copyright: 2001



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Volume 19, Sheet 1899



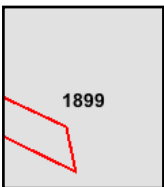
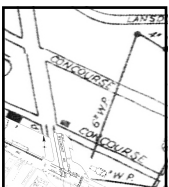
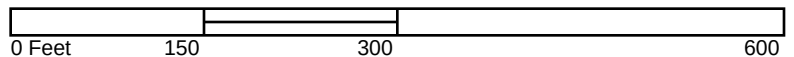
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 Address: 4300 Avenue of The Republic
 City, ST, ZIP: Philadelphia, PA 19131
 Client: Verdantas, LLC
 EDR Inquiry: 6861978.3
 Order Date: 02/16/2022
 Certification #: 5549-41E5-B2D9
 Copyright: 1989



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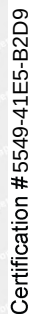
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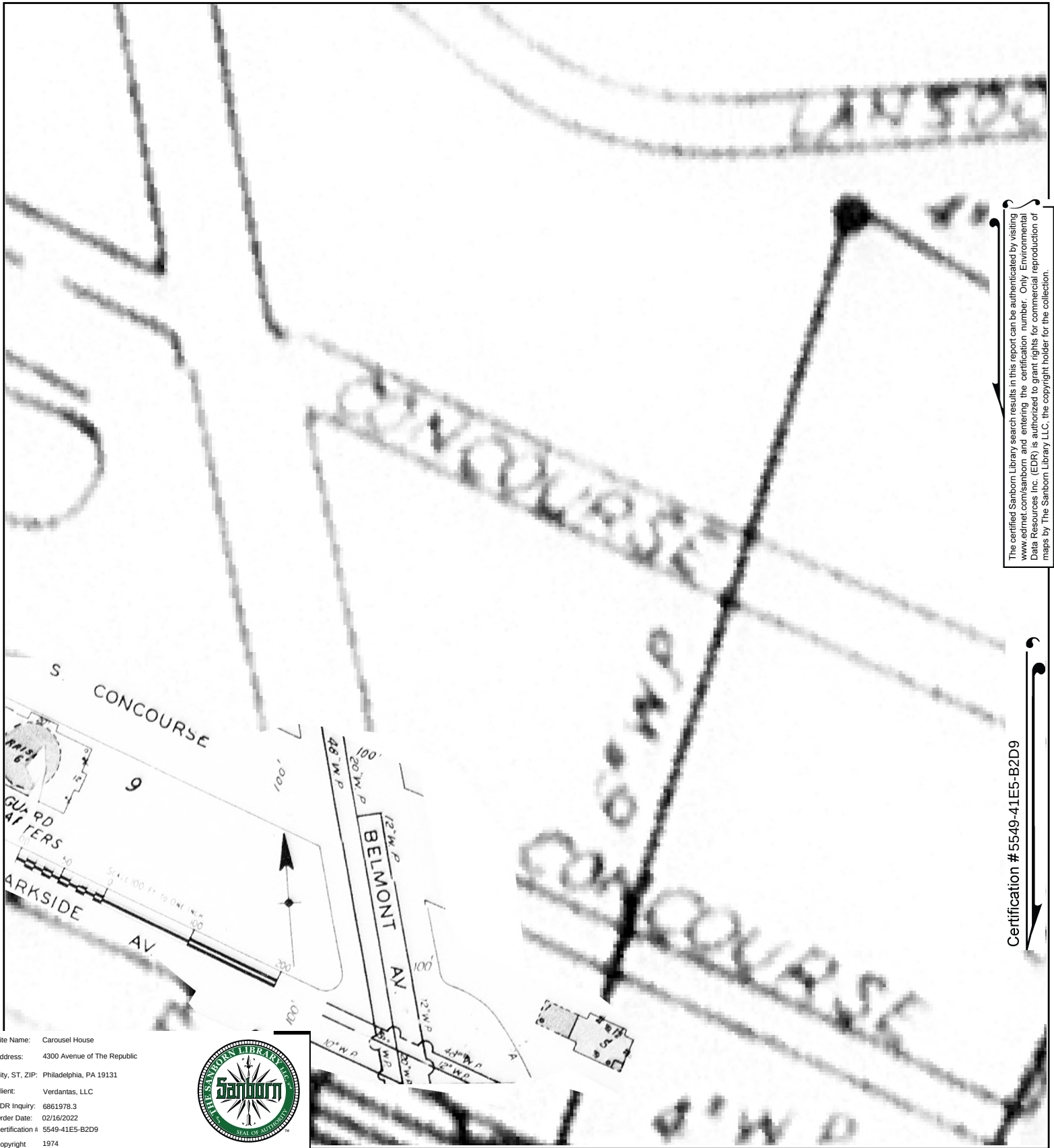


Volume 19, Sheet 1899





N.



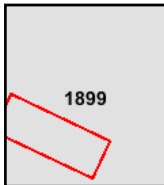
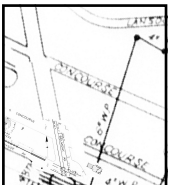
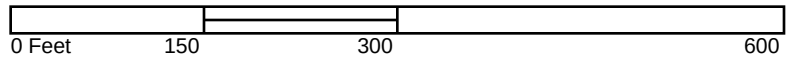
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Certification #5549-41E5-B2D9

Site Name: Carousel House
 Address: 4300 Avenue of The Republic
 City, ST, ZIP: Philadelphia, PA 19131
 Client: Verdantas, LLC
 EDR Inquiry: 6861978.3
 Order Date: 02/16/2022
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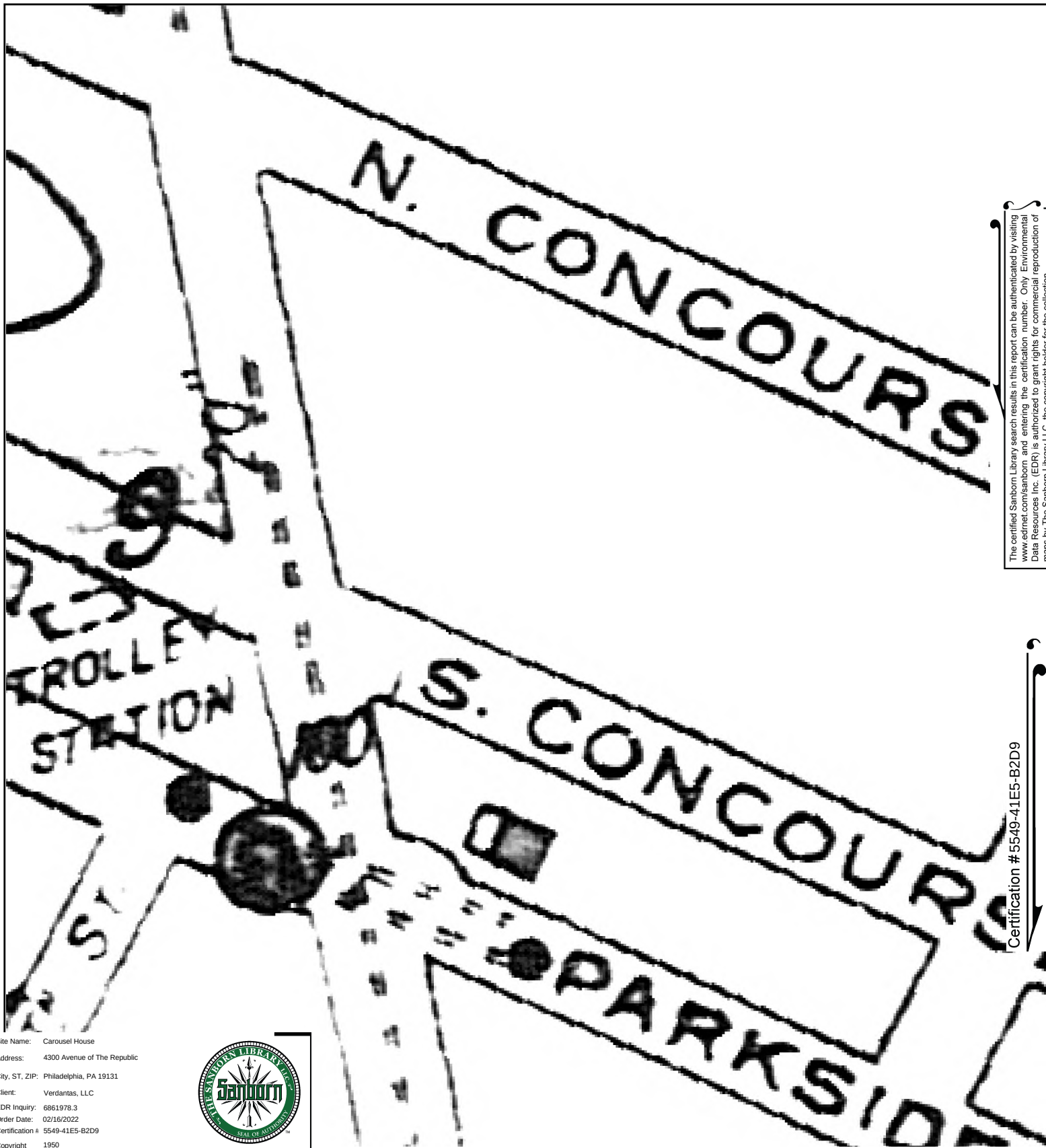


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Volume 19, Sheet 1899





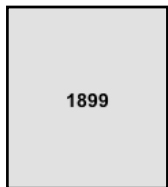
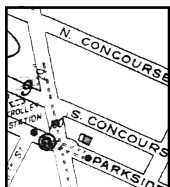
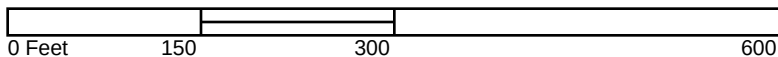
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Certification #5549-41E5-B2D9

Site Name: Carousel House
Address: 4300 Avenue of The Republic
City, ST, ZIP: Philadelphia, PA 19131
Client: Verdantas, LLC
EDR Inquiry: 6861978.3
Order Date: 02/16/2022
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Copyright: 1950

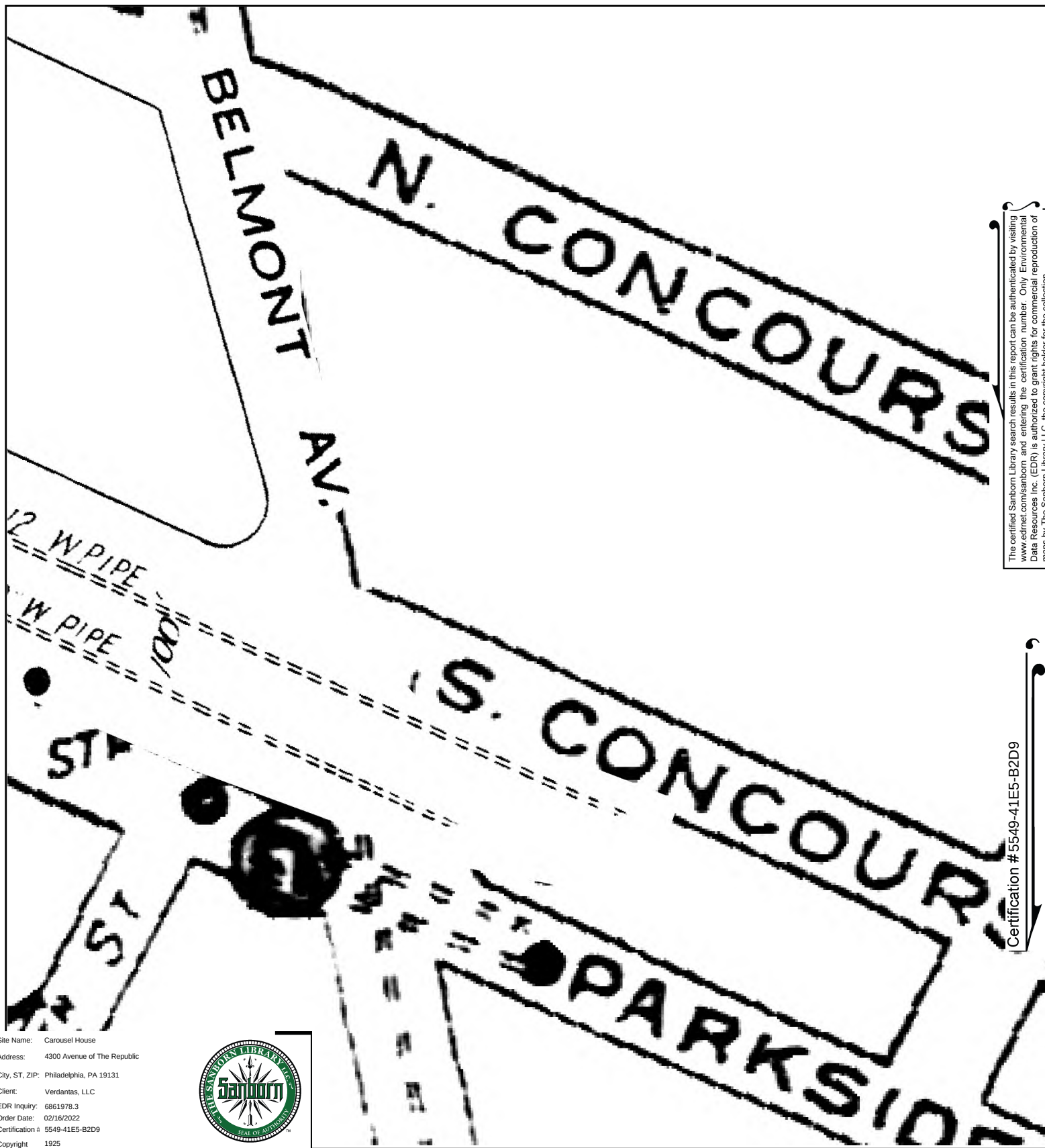


This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 19, Sheet 1899





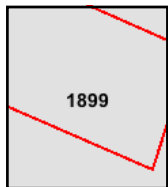
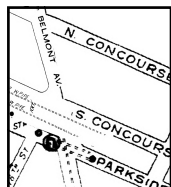
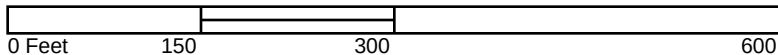
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Certification #5549-41E5-B2D9

Site Name: Carousel House
 Address: 4300 Avenue of The Republic
 City, ST, ZIP: Philadelphia, PA 19131
 Client: Verdantas, LLC
 EDR Inquiry: 6861978.3
 Order Date: 02/16/2022
 Certification #: 5549-41E5-B2D9
 Copyright: 1925



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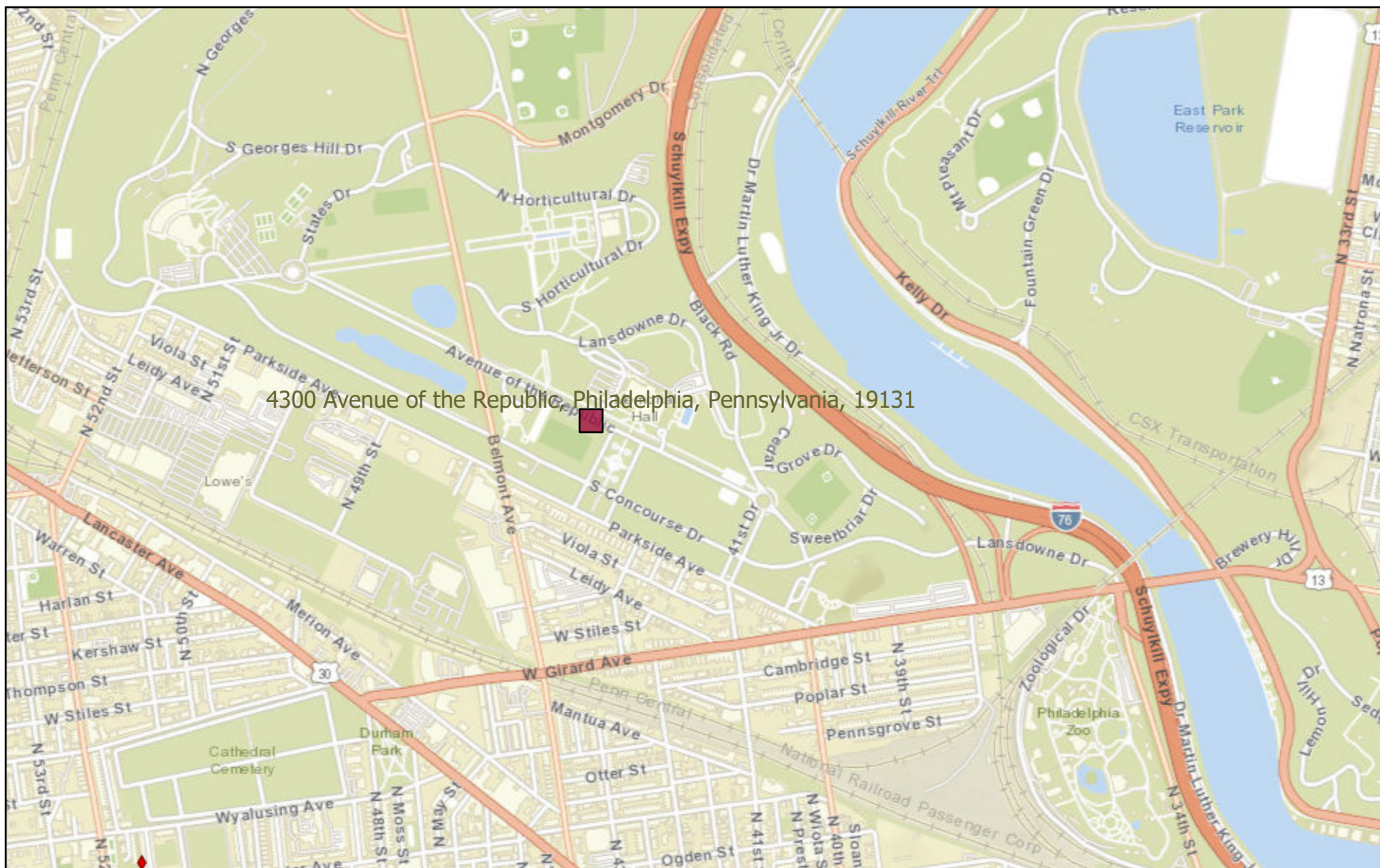


Volume 19, Sheet 1899

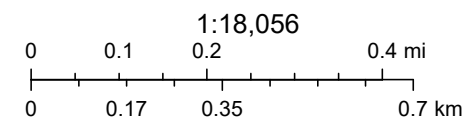


APPENDIX H

ADDITIONAL ENVIRONMENTAL SEARCH DOCUMENTS



February 24, 2022



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Sources: Esri,

Bureau of Environmental Cleanup and Brownfields Storage Tanks Search Results

2/24/2022 12:06:46 PM

Site ID: **586675**
Other ID: **51-20206**
Name: **STREETS SITE 050**
Address: **4804-48 PARKSIDE AVE**
Address2:
City: **PHILADELPHIA**
State: **PA**
Zip: **19131**
County: **Philadelphia**
Municipality Name: **Philadelphia City**
Registration Expiration Date: **02/04/2023**

Client: **189302**
Client Name: **PHILA CITY PHILA CNTY**
Address: **215 CITY HALL**
Address2:
City: **PHILADELPHIA**
State: **PA**
Zip: **19107-3214**

[Click Here For Tank Components](#)

<u>SEQ NUMBER</u>	<u>TANK CODE</u>	<u>DATE INSTALLED</u>	<u>CAPACITY</u>	<u>SUB CODE</u>	<u>TANK STATUS</u>	<u>PERMIT TYPE</u>	<u>PERMIT STATUS</u>	<u>DATE LAST INSPECTION</u>	<u>NEXT INSPECTION DUE</u>
700921 - 001	UST	06/01/1987	2,000	DIESL	C	OPR	APPR	03/12/2019	FOI - 03/12/2022

Bureau of Environmental Cleanup and Brownfields Inactive Storage Tanks

2/24/2022 12:03:56 PM

Site ID: **686626**
Other ID: **51-39524**
Name: **FORMER DRY CLEANING FAC**
Address: **4944 PARKSIDE AVE**
Address2:
City: **PHILADELPHIA**
State: **PA**
Zip: **19131**
County: **Philadelphia**
Municipality Name: **Philadelphia City**

Client: **265826**
Client Name: **PARKSIDE PARTNERS**
Address: **PO BOX 495**
Address2:
City: **DRESHER**
State: **PA**
Zip: **19025-0495**

<u>SEQ NUMBER</u>	<u>TANK CODE</u>	<u>INSTALLED DATE</u>	<u>CAPACITY</u>	<u>SUBSTANCE CODE</u>	<u>STATUS CODE</u>	<u>STATUS DESCRIPTION</u>	<u>STATUS DATE</u>
941486 - 001	UST	01/01/1967	5,000	HZSUB	P	Permanently Closed in Place	07/10/2007
941487 - 002	UST	01/01/1967	1,000	HZSUB	P	Permanently Closed in Place	07/10/2007
941488 - 003	UST	01/01/1967	1,000	HZSUB	P	Permanently Closed in Place	07/10/2007

Bureau of Environmental Cleanup and Brownfields Inactive Storage Tanks

2/24/2022 12:14:15 PM

Site ID: **586893**
Other ID: **51-34621**
Name: **MERION AVENUE STORAGE FAC**
Address: **4965 MERION AVE**
Address2:
City: **PHILADELPHIA**
State: **PA**
Zip: **19131**
County: **Philadelphia**
Municipality Name: **Philadelphia City**

Client: **87064**
Client Name: **NORFOLK SOUTHERN RAILWAY CO**
Address: **110 FRANKLIN RD SE**
Address2:
City: **ROANOKE**
State: **VA**
Zip: **24042-0013**

<u>SEQ NUMBER</u>	<u>TANK CODE</u>	<u>INSTALLED DATE</u>	<u>CAPACITY</u>	<u>SUBSTANCE CODE</u>	<u>STATUS CODE</u>	<u>STATUS DESCRIPTION</u>	<u>STATUS DATE</u>
702713 - 001	UST		12,000	HO	W	Closed	08/01/1990



Property Details for 4913-38 Parkside Avenue

On this page:

- [Profile Information](#)
- [Property Location](#)
- [Property Progress](#)
- [CAs Associated with this Property](#)
- [Assessment Activities at this Property](#)
- [Contaminants and Media](#)
- [Cleanup Activities](#)
- [Institutional & Engineering Controls](#)
- [Redevelopment and Other Leveraged Accomplishments](#)
- [Additional Property Attributes](#)

[Legal Notices](#)

Profile Information

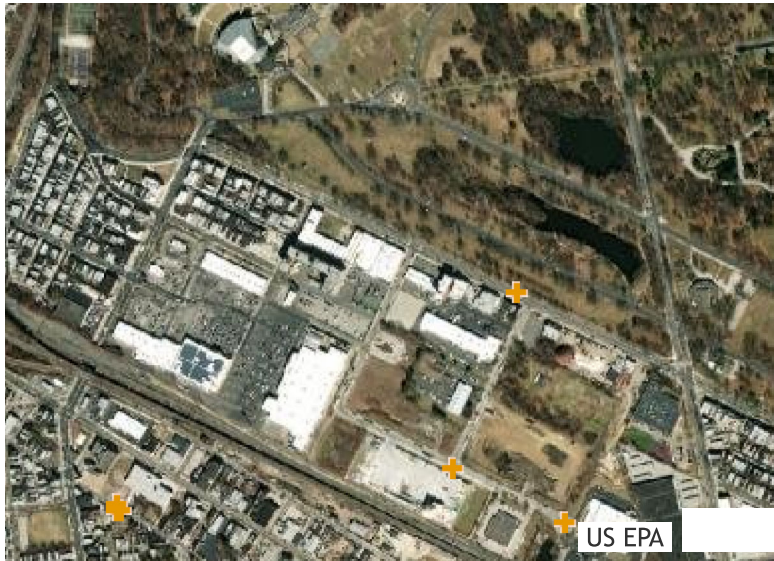
Property Alias

Property Owner

ACRES Property ID **29922**

Property Address	4913-38 Parkside Avenue Philadelphia, PA 19131
Size	0
Parcel Numbers	
Latitude/Longitude	39.979351 / -75.21724
Congressional District	3
Property Contact	Bartel, Janice Bartel.Janice@epa.gov 215-814-5394

Property Location



Property Progress

Assessment	X
Clean Up	X
Institutional Controls in Place	X
Engineering Controls in Place	X
Ready for Anticipated Use	X
Redevelopment Underway	X

CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Philadelphia City Planning Commission	BP99327201	PA	Assessment	1995

Assessment Activities at this Property

There are no current assessment activities.

Is Cleanup Necessary?
EPA Assessment Funding:
Leveraged Funding:
Total Funding:

Contaminants and Media

Contaminant Found

Remediating Action for Contaminants

Media Affected

Remediating Action for Media

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:

Cleanup/Treatment Categories:

Addl Cleanup/Treatment info:

Address of Data Source:

Institutional and Engineering Controls

Indicate whether Institutional
Controls are required

Categories of Controls

Additional Institutional
Controls Information

Address of Data Source (URL
if available)

Are Institutional Controls in
Place

Date Institutional Controls
were put in place

Indicate whether Engineering
Controls are required

Categories of Controls

Additional Engineering
controls information

Address of Data Source (URL
if available)

Indicate whether Engineering
Controls are in place

Date Engineering Controls
were put in place

Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:

Actual Acreage of Greenspace Created:

Leveraged Funding:

Additional Property Attributes

Property Highlights

Predominant Past Usage

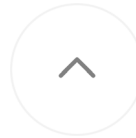
What types of funding are
being used on this property?

State and Tribal Program
Information

Date No Further Action Letter
Received

Date Letter/Signed Report
Received from a Qualified
Professional

Other Cleanup
Documentation



LAST UPDATED ON FEBRUARY 8, 2017



Property Details for 4801 West Jefferson

On this page:

- [Profile Information](#)
- [Property Location](#)
- [Property Progress](#)
- [CAs Associated with this Property](#)
- [Assessment Activities at this Property](#)
- [Contaminants and Media](#)
- [Cleanup Activities](#)
- [Institutional & Engineering Controls](#)
- [Redevelopment and Other Leveraged Accomplishments](#)
- [Additional Property Attributes](#)

[Legal Notices](#)

Profile Information

Property Alias	
Property Owner	Private
ACRES Property ID	238329
Property Address	4801 West Jefferson Strret PHILADELPHIA, PA 19131
Size	4.3
Parcel Numbers	

Latitude/Longitude **39.9754603 / -75.2161438**
Congressional District **3**
Property Contact **Branche-Carter, Stephanie**

Property Location



Property Progress

Assessment



Clean Up



Institutional Controls in Place



Engineering Controls in Place



Ready for Anticipated Use



Redevelopment Underway



CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Philadelphia Authority for Industrial Development	BF96337501	PA	Assessment	2015

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$11,811.00	04/10/2017	06/13/2017	Philadelphia Authority for Industrial Development	Y	FY19

Is Cleanup Necessary? **Unknown**EPA Assessment Funding: **\$11,811.00**

Leveraged Funding:

Total Funding: **\$11,811.00**

Contaminants and Media

Contaminant Found	Remediating Action for Contaminants
Lead	NOT Cleaned up
PCBS	NOT Cleaned up
SVOCs	NOT Cleaned up
Media Affected	Remediating Action for Media
Soil	NOT Cleaned up

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatment Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

Institutional and Engineering Controls

Indicate whether Institutional
Controls are required

Categories of Controls

Additional Institutional
Controls Information

Address of Data Source (URL
if available)

Are Institutional Controls in
Place

Date Institutional Controls
were put in place

Indicate whether Engineering
Controls are required

Categories of Controls

Additional Engineering
controls information

Address of Data Source (URL
if available)

Indicate whether Engineering
Controls are in place

Date Engineering Controls
were put in place

Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:
Actual Acreage of Greenspace Created:
Leveraged Funding:

Additional Property Attributes

Property Highlights	Former Use: The property is located at 4801 West Jefferson Street, Philadelphia, Pennsylvania at the intersection of N 49th Street and West Jefferson Street. The Site is currently owned by PIDC, who took ownership in 1987, and is part of the larger West Parkside Industrial Park. The Site occupies approximately 4.3 acres and is currently a vacant and unimproved lot with open grass areas and trees. Historically, the Site was part of the Penn Central Corporation rail yard which operated from the 1860s until the early 1980's. The Site has reportedly been vacant and since that time. The Site is primarily grass covered with some mature trees and brush scattered across the property. A horse stable south of the Site dumps manure at various locations on the property. An earthen berm, approximately three to six feet high, surrounds the property on the northern, southern, and western boundaries. Prior to 1922 until sometime before 1942, the southcentral portion of the site contained a roundhouse, machine shop, powerhouse, and coal storage as part of a rail yard. Remnants of the roundhouse, including concrete and metal rails, are still visible on the Site.
Predominant Past Usage	Industry (4.3)
What types of funding are being used on this property?	Hazardous
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	



LAST UPDATED ON FEBRUARY 8, 2017



Property Details for West Parkside Industrial Park (Komplete) G3THNY00

On this page:

- [Profile Information](#)
- [Property Location](#)
- [Property Progress](#)
- [CAs Associated with this Property](#)
- [Assessment Activities at this Property](#)
- [Contaminants and Media](#)
- [Cleanup Activities](#)
- [Institutional & Engineering Controls](#)
- [Redevelopment and Other Leveraged Accomplishments](#)
- [Additional Property Attributes](#)

[Legal Notices](#)

Profile Information

Property Alias

Property Owner

ACRES Property ID

Government

81003

Property Address	NW Corner of 49th and Jefferson Streets Philadelphia, PA 19131
Size	1
Parcel Numbers	Unknown
Latitude/Longitude	39.9763 / -75.2185
Congressional District	3
Property Contact	Nowak, Joseph Nowak.Joseph@epa.gov 215-814-3303

Property Location



Property Progress

Assessment



Clean Up



Institutional Controls in Place



Engineering Controls in Place



Ready for Anticipated Use



Redevelopment Underway



CAs Associated with this Property

CA Name	CA #	State	Type	Announcement Year
Philadelphia, City of	BF98396801	PA	Assessment	2003

Assessment Activities at this Property

Activity	EPA Funding	Start Date	Completion Date	CA	Accomplishment Counted?	Counted When?
Phase I Environmental Assessment	\$2,970.00	01/21/2008	02/05/2008	Philadelphia, City of	Y	FY08

Is Cleanup Necessary? **Unknown**EPA Assessment Funding: **\$2,970.00**

Leveraged Funding:

Total Funding: **\$2,970.00**

Contaminants and Media

Contaminant Found	Remediating Action for Contaminants
Unknown	NOT Cleaned up
Media Affected	Remediating Action for Media
Unknown	NOT Cleaned up

Cleanup Activities

There are no current cleanup activities.

Cleanup/Treatment Implemented:
Cleanup/Treatment Categories:
Addl Cleanup/Treatment info:
Address of Data Source:

Institutional and Engineering Controls

Indicate whether Institutional
Controls are required

Categories of Controls

Additional Institutional
Controls Information

Address of Data Source (URL
if available)

Are Institutional Controls in
Place

Date Institutional Controls
were put in place

Indicate whether Engineering
Controls are required

Categories of Controls

Additional Engineering
controls information

Address of Data Source (URL
if available)

Indicate whether Engineering
Controls are in place

Date Engineering Controls
were put in place

Redevelopment and Other Leveraged Accomplishments

There are no current redevelopment activities.

Number of Redevelopment Jobs Leveraged:
Actual Acreage of Greenspace Created:
Leveraged Funding:

Additional Property Attributes

Property Highlights	The site was under agreement to the Komplete Welding company. Due to economic uncertainties, Komplete was unable to consummate the purchase of the land and build a proposed office and storage building. Former Use: The site is a part of an industrial park managed by the Phila. Authority for Industrial Development. It was formerly a rail yard.
Predominant Past Usage	Industry (1)
What types of funding are being used on this property?	Hazardous
State and Tribal Program Information	
Date No Further Action Letter Received	
Date Letter/Signed Report Received from a Qualified Professional	
Other Cleanup Documentation	



LAST UPDATED ON FEBRUARY 8, 2017

APPENDIX I

SYNERTECH ACM LBP INVESTIGATION REPORT LABORATORY REPORT FOR LEAD IN SOILS RESULTS

May 12, 2021

Ms. Jennifer Gresh
Duffield Associates
211 North 13th Street, Suite 704
Philadelphia, PA 19107

Asbestos and Lead Based Paint Investigation & Sampling
Carousel House - 4300 Avenue of the Republic Philadelphia, PA 19131
Synertech Incorporated Project No. 632-238

Dear Ms. Gresh:

As directed by your office, *Synertech Incorporated* conducted an environmental investigation at the Carousel House located at 4300 Avenue of the Republic in Philadelphia, Pennsylvania. The scope of the investigation focused on locating and quantifying asbestos containing material (ACM) and Lead Based Paint (LBP) throughout the property. This report is a summary of the investigation, observations, and sample results generated. Refer to Appendix A for further details on the asbestos inspection and general information on ACM.

Detailed Listing of Homogeneous Materials

The following table lists the homogeneous materials identified during the inspection:

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
A	01	White End Cap Mastic associated with fiberglass pipe insulation	Boiler Room	Non-Asbestos
A	02	White End Cap Mastic associated with fiberglass pipe insulation	Boiler Room	Non-Asbestos
B	03	Emergency Generator Exhaust Flue Insulation	Boiler Room	Non-Asbestos
B	04	Emergency Generator Exhaust Flue Insulation	Boiler Room	Non-Asbestos
C	05	Duct Sealant at Flange Connection	Boiler Room	Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
D	06	CMU Wall Paint	Main Electrical Room	Non-Asbestos
E	07	12" x 12" Grey Vinyl Floor Tile	Stockpile in Boiler Room	Non-Asbestos
E	08	12" x 12" Grey Vinyl Floor Tile	Janitors Closet (entrance foyer to boiler room)	Non-Asbestos
F	09	Mastic associated with 12" x 12" Grey Vinyl Floor Tile	Janitors Closet (entrance foyer to boiler room)	Non-Asbestos
D	10	CMU Wall Paint	Track around basketball court (adjacent to Boiler Room)	Non-Asbestos
G	11	Fireproofing	Boiler Room perimeter wall beam	Non-Asbestos
G	12	Fireproofing	Boiler Room perimeter wall beam	Non-Asbestos
H	13	2' x 4' Fissured Acoustical Ceiling Tile	Game Room	Non-Asbestos
I	14	Drywall/Joint Compound Wall Composite	Game Room Closet	Non-Asbestos
J	15	12" x 12" Teal Vinyl Floor Tile	Game Room	Non-Asbestos
F	16	Mastic associated with 12" x 12" Teal Vinyl Floor Tile	Game Room	Non-Asbestos
K	17	CMU Wall Expansion Seam Caulk	Weight Room	Non-Asbestos
D	18	CMU Wall Paint	Weight Room	Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
L	19	Ceramic Wall Tile Setting Bed Mortar	Women's Restroom beside Pool	Non-Asbestos
L	20	Ceramic Wall Tile Setting Bed Mortar	Women's Restroom beside Pool	Non-Asbestos
M	21	Black Tar Paper behind Ceramic Wall Tile Setting Bed Mortar	Women's Restroom beside Pool	Non-Asbestos
M	22	Black Tar Paper behind Ceramic Wall Tile Setting Bed Mortar	Women's Restroom beside Pool	Non-Asbestos
N	23	Red Sheet Flooring	Women's Restroom beside Pool	Non-Asbestos
O	24	Black Mastic associated with Red Sheet Flooring	Women's Restroom beside Pool	Non-Asbestos
P	25	Vinyl Cove Base	Women's Restroom beside Pool	Non-Asbestos
Q	26	Mastic associated with Vinyl Cove Base	Women's Restroom beside Pool	Non-Asbestos
R	27	Basketball Court Flooring	Basketball Court	Non-Asbestos
R	28	Basketball Court Flooring	Basketball Court	Non-Asbestos
R	29	Basketball Court Flooring	Basketball Court	Non-Asbestos
S	30	2' x 2' Fissured Acoustical Ceiling Tile	Pool Room	Non-Asbestos
T	31	Plaster Soffit	Pool Room	Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
T	32	Plaster Ceiling	Pool Room	Non-Asbestos
O	33	Mastic applied to Concrete Floor	Pool Room	Non-Asbestos
A	34	White End Cap Mastic associated with FGPI	Gym Storage Closet	Non-Asbestos
U	35	12" x 12" White Vinyl Floor Tile	Gym Storage Closet	Non-Asbestos
F	36	Mastic associated with 12" x 12" White Vinyl Floor Tile	Gym Storage Closet	Non-Asbestos
V	37	12" x 12" Brown Vinyl Floor Tile	Auditorium	Non-Asbestos
F	38	Mastic associated with 12" x 12" Brown Vinyl Floor Tile	Auditorium	Non-Asbestos
D	39	CMU Wall Paint	Auditorium	Non-Asbestos
I	40	Joint Compound	Auditorium Drywall Ceiling	Non-Asbestos
I	41	Drywall/Joint Compound Ceiling Composite	Auditorium Drywall Ceiling	Non-Asbestos
W	42	Ceramic Floor Tile Grout	Kitchen	Non-Asbestos
X	43	Ceramic Floor Tile Setting Bed Mortar	Kitchen	Non-Asbestos
Y	44	Tan Sheet Flooring	Men's Restroom beside Auditorium	Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
D	45	CMU Wall Paint	Men's Restroom beside Auditorium	Non-Asbestos
Z	46	Carpet Glue	Meeting Room beside Art Room	Non-Asbestos
A-1	47	Stainless Steel Sink Undercoating	Art Room	Non-Asbestos
B-1	48	Kiln Block	Art Room	Non-Asbestos
V	49	12" x 12" Brown Vinyl Floor Tile	Entrance Lobby	Non-Asbestos
F	50	Mastic associated with 12" x 12" Brown Vinyl Floor Tile	Entrance Lobby	Non-Asbestos
C-1	51	12" x 12" Pink Vinyl Floor Tile	Women's Restroom inside Front Offices	Non-Asbestos
F	52	Mastic associated with 12" x 12" Pink Vinyl Floor Tile	Women's Restroom inside Front Offices	Non-Asbestos
G	53	Fireproofing applied to perimeter beam	Game Room	Non-Asbestos
D-1	54	Textured Stucco	Front Entrance Vestibule	Non-Asbestos
E-1	55	Exterior Caulk	Building/Sidewalk Intersection	Non-Asbestos
D-1	56	Exterior Textured Stucco	outside Main Entrance	Non-Asbestos
F-1	57	Exterior Ceramic Wall Tile Mortar	outside Main Entrance	Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
G-1	-	Internal Materials associated with Weil-McLain 94 Series Sectional Boiler	Not Sampled	Assumed Friable & Non-Friable Category 2
H-1	-	Boiler Breeching Gaskets	Not Sampled	Assumed Non-Friable Category 1
I-1	-	Insulation inside Metal Panel associated with Storefront Window at Entrance to Art Room	Not Sampled	Assumed Non-Friable Category 2
J-1	-	Wood and Metal Fire Doors throughout	Not Sampled	Assumed Non-Friable Category 2
K-1	-	Roof - field and flashing (assumed asbestos-containing)	Not Sampled	Assumed Non-Friable Category 1
L-1	-	Black Vinyl Flexible Duct Connector	Not Sampled	Confidently Assumed Non-Asbestos
M-1	-	Electrical Switchgear, Transformer and Panels	Not Sampled	Confidently Assumed Non-Asbestos
N-1	-	Fiberglass Pipe Insulation	Not Sampled	Confidently Assumed Non-Asbestos
O-1	-	Fiberglass Insulation Panels below Roof	Not Sampled	Confidently Assumed Non-Asbestos
P-1	-	Neoprene Pipe Insulation	Not Sampled	Confidently Assumed Non-Asbestos
Q-1	-	Aluminum Windows (no caulk identified; rubber glazing present)	Not Sampled	Confidently Assumed Non-Asbestos
R-1	-	Wood Window Sills	Not Sampled	Confidently Assumed Non-Asbestos

Carousel House - Homogeneous Building Materials Identified				
HM ID	SAMPLE #	DESCRIPTION	SAMPLE LOCATION	CLASSIFICATION
S-1	-	Wood Laminate Restroom Stall Partitions	Not Sampled	Confidently Assumed Non-Asbestos
T-1	-	Air Handling Units	Not Sampled	Confidently Assumed Non-Asbestos
U-1	-	Steel Roof Trusses	Not Sampled	Confidently Assumed Non-Asbestos
V-1	-	Recessed Radiators (no radiator insulation identified)	Not Sampled	Confidently Assumed Non-Asbestos

Detailed Listing of Asbestos Containing Materials

The following table lists assumed and confirmed Asbestos Containing Materials:

Carousel House - Detailed Listing of Asbestos Containing Materials				
Location(s)	Material	Approximate Amounts of ACM	Philadelphia Asbestos Control Regulation Classification	Condition
Boiler Room	Internal Materials associated with Weil-McLain 94 Series Sectional Boiler (assumed asbestos containing)	6'x5'x6' high boiler	Friable; Non-Friable Category 2	material concealed; inaccessible
Boiler Room	Boiler Breeching Gaskets (assumed asbestos containing)	10 square feet	Non-Friable Category 1	material concealed; inaccessible
Art Room Entrance	Insulation inside Metal Panel associated with Storefront Window	6 square feet	Non-Friable Category 2	material concealed; inaccessible
Throughout	Wood and Metal Fire Doors (assumed asbestos containing)	Approximately 40 doors	Non-Friable Category 2	material concealed; inaccessible
Rooftop(s)	Roof field and flashing (assumed asbestos-containing)	27,000 square feet	Non-Friable Category I	not inspected
Concealed within Wall Cavities and above Rigid Ceilings (assumed present)	Thermal System Insulation (pipe, duct, radiator, etc.)	Quantity Undetermined	Friable	material concealed; inaccessible

Inaccessible Areas

- No inaccessible locations were identified
- Sampling of the roofing materials for asbestos content was not included in this survey

II. Lead Based Paint (LBP) Inspection

As requested by your office, *Synertech Incorporated* representative John P. Fiorelli, Pennsylvania licensed lead inspector/risk assessor # 004799, performed lead paint testing via XRF throughout the Carousel House Building located at 4300 Avenue of the Republic, Philadelphia, PA. The survey and testing were performed to locate any Lead Based Paint (LBP) or Lead Containing Coatings (LCC) that may be present throughout the interior and exterior of the building prior to planned renovations/demolition. This report is a summary of the findings and testing data.

Synertech Incorporated conducts all investigational LBP work according to all pertinent regulations, including HUD, EPA, OSHA, the Nuclear Regulatory Commission, Commonwealth of Pennsylvania's DER-Bureau of Radiation Protection and the Resource Conservation and Recovery Act (RCRA). The HUD guidelines provide the most comprehensive national compilation of technical protocols, practices and procedures for Lead Based Paint testing, abatement, worker protection, cleanup, and disposal. However, for the purposes of this survey, representative XRF testing of all building components was performed.

Diagnostic testing was performed using a portable X-Ray Fluorescence (XRF) Spectrum Analyzer (The Niton XLp 300 Spectrum Analyzer as manufactured by the Thermo Scientific Corporation). An XRF detector is a portable instrument that a lead inspector can carry to the job site. The instrument contains a sealed "source" that emits radioactive energy in the form of gamma rays. When the source is activated and exposed to a surface for testing, the material within its field of view will be "excited". Each element, when exposed to gamma rays above its "absorption edge", will fluoresce. Once fluoresced, the element will emit x-ray energies. If lead is present within the tested material, it will emit a characteristic frequency of radiation; the XRF reads the intensity of this radiation, which is related to the amount of lead in the paint. The unit was calibrated prior to testing to ensure that the unit is operating within acceptable ranges.

- LBP is defined by the City of Philadelphia Department of Health to contain equal to or greater than 0.70 mg/cm² via XRF and >0.50% by weight via paint chip analysis.
- LBP is defined by HUD/EPA to contain equal to or greater than 1.00 mg/cm² via XRF and >0.50% by weight via paint chip analysis.
- The OSHA definition correlates to a PRESENT or ABSENT lead content in paints and coatings. OSHA considers results greater than 0.00 mg/cm² lead via XRF a Lead Containing Coating (LCC) and >0.01% by weight via paint chip analysis.

Summary of Results for XRF Testing

Paint testing was performed using Thermo Scientific's Niton XLp 300 XRF spectrum analyzer. A total of one hundred and seventy (170) tests were performed **with two (2) results greater than 0.70 mg/cm²**, the Philadelphia Department of Health threshold level for "lead-based paint" (LBP) and a total of eighteen (18) results were greater than the OSHA level to be considered a "Lead Containing Coating". Reference the attached Lead Based Paint Testing Data-XRF for individual results.

Please Note: Regarding entries in the "Wall" column, for individual interior rooms, Direction "A" corresponds to the main front entry wall of the building. Direction "B" corresponds to the next adjacent wall in a clockwise direction and so forth for directions "C" and "D". In addition, for common areas within the building, Direction "A" corresponds to the main front entry wall of the building. Direction "B" corresponds to the next adjacent wall in a clockwise direction and so forth for directions "C" and "D".

Summary of Results for XRF Testing

Tables 1 below contain components with lead paint in levels exceeding the City of Philadelphia Department of Health definition of lead-based paint. The components listed in table 1 also are above the OSHA level.

Table 1					
Location	Wall	Component	Condition	>OSHA Threshold	>CoP DoH Threshold
Restrooms & Utility Cosets	N/A	Ceramic Sinks	Damaged	X	X

Tables 2 below contain components with coatings at levels exceeding the OSHA level but are below the City of Philadelphia LBP threshold.

Location	Wall	Component	Condition	>OSHA Threshold
Restrooms & Utility Cosets	N/A	Ceramic Sink Coatings	Poor/Good	X
Throughout	N/A	Structural Steel I Beams	Good	X
Exterior	N/A	Structural Steel Columns & Beams	Peeling	X

Summary of Results for Paint Chip Sample Analysis

Synertech Incorporated's Pennsylvania Lead Inspector/Risk Assessor, Mr. John Fiorelli (License Number 004799) collect paint samples for analysis via "Lead in Paint Chips by Flame Atomic Absorption Spectroscopy" (AAS – Method Number SW 846 3050B/7000B). The summary of the sample locations and results is listed below:

Sample #	Location	Concentration
01	Exterior – Steel Columns	<0.0076%
02	Exterior – Steel Beams	0.17%

Applicable Standards/Regulations

Summary of EPA's Lead; Renovation, Repair, and Painting (RRP) Program

The following is a brief and highly condensed summary of the EPA's RRP. The following is not intended to be utilized in place of the RRP, but is rather a brief presentation of the major components of the regulation as they apply to this specific project.

- a. Application – The EPA's RRP applies to all renovations, repairs, and painting of lead painted surfaces performed for compensation in *Target Housing* and "child-occupied facilities".
- b. Definitions:
 1. **Child-occupied facility** – a building, or portion of a building, constructed prior to 1978, visited regularly by the same child, under six (6) years of age, on at least two (2) different days within any week, provided that each day's visit lasts at least three (3) hours, and the combined weekly visits last at least six (6) hours, and the combined annual visits last at least sixty (60) hours.

2. **Renovation** – the modification of any existing structure, or portion thereof, that results in the disturbance of more than six (6) SF of interior lead painted surfaces
- c. If a building or property is considered child occupied while any renovations are being performed, the owners of the building, and the occupants and/or their parents/guardians must receive information from the renovator on lead-based paint hazards before renovations begin. This information must exclusively be the EPA pamphlet entitled, “*Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools*”. Written acknowledgement of receipt of the pamphlet must also be provided back to the renovator.
- d. If the building or property is child occupied while any future renovations are being performed, the renovator is required to post informational signs describing the general nature, locations and completion date of the project, and prepare, date and sign a statement describing the steps performed to notify parents and guardians and to provide the pamphlet.
- e. Individuals performing these renovations must be trained at EPA accredited Training Providers, firms must be certified by the EPA as Lead Renovators, and work practices must be employed in accordance with the RRP.
- f. Required renovator work practices:
 1. Post warning signs and clearly define the work areas to limit access by occupants.
 2. Isolate/contain work area so that no dust leaves the work area.
 3. Remove objects from the work area or leave, cover and seal such objects.
 4. Close and cover all duct openings in the work area.
 5. Close all windows and doors in the work area.
 6. Cover the floor of the work area with taped down impermeable sheeting.
 7. Open flame burning or torching of paint, using a heat gun above 1,100 °F, and the use of machines that sand grind, plane or blast paint are prohibited.
 8. Generated waste must be contained and disposed to prevent release of dust.
 9. Clean work area until no dust or debris remains, starting from highest elevation to lowest elevation, using damp wiping using trisodium phosphate soap (TSP) and HEPA vacuuming techniques.
 10. Wet mop floors, keeping wash water separate from the rinse water.
 11. Perform visual inspection for remnant dust or debris. When acceptable, perform post renovation clearance verification testing or surface lead dust wipe sampling.

Summary of OSHA Lead Exposure in Construction Standard

The current OSHA standard 29 CFR 1926.62 for lead exposure in construction has a permissible exposure limit (PEL) of 50 micrograms per cubic meter of air (50 µg/m³), measured as an 8-hour time-weighted average (TWA).

Certain lead-related construction tasks commonly produce exposures above the PEL and often orders of magnitude above the PEL. The OSHA lead standard for construction is unique in that it groups tasks that are presumed to be associated with employee exposures above the PEL into three lead-exposure ranges. The exposure ranges assigned to the different categories of tasks are based on data collected by OSHA and other sources including two advisory groups.

OSHA mandates a worker lead exposure action level (AL) of airborne lead to be 30 ug/cubic meter of air and a permissible exposure limit (PEL) of ≤50 ug/cubic meter of air. (ug = micrograms).

Respiratory Protection for Lead Exposures

Airborne Concentration of Lead	Minimum Required Respiratory Protection
Below the PEL up to 49 µg/m ³	No Personal Protective Equipment or Respiratory Protection Required
1 to 10 x PEL/ up to 500 µg/m ³	Any Air Purifying Respirator (HEPA)
10 to 25 x PEL/ 500 to 1,250 µg/m ³	Any Powered Air Purifying Respirator (HEPA)
25 to 50 x PEL/ 1,250 to 2,500 µg/m ³	Full face piece Air Purifying Respirator (HEPA) or Tight fitting Powered Air Purifying Respirator (HEPA)
50 to 100 x PEL/ 2,500 to 50,000 µg/m ³	Half masked Supplied Air Respirator
100 to 200 x PEL/ 50,000 to 100,000 µg/m ³	Full face piece Supplied Air Respirator
> 200 x PEL/ ≥ 100,000 µg/m ³	Full face piece SCBA

Lead-Related Construction Tasks and Their Presumed 8-hour TWA Exposure Levels

> 50 to 500 µg/m ³	> 500 µg/m ³ to 2,500 µg/m ³	> 2,500 µg/m ³
Manual demolition	Using lead-containing mortar	Welding
Dry manual scraping	Lead burning	
Dry manual sanding	Rivet busting	Torch cutting
Heat gun use	Power tool cleaning without dust collection systems	
Power tool cleaning with dust collection systems	Cleanup of dry expendable abrasive blasting jobs	Torch burning
Spray painting with lead paint	Abrasive blasting enclosure movement and removal	

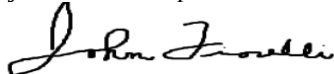
Construction Waste Characterization Testing

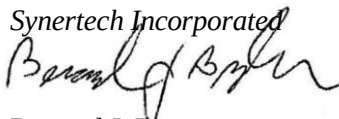
For those components testing positive for LBP that will be disposed of with construction waste, with the exception of the metal materials that will be recycled, a Toxicity Characteristic Leaching Procedure (TCLP) sample must be collected and submitted by the waste generating contractor. TCLP is a sample extraction analytical method used to simulate a waste stream leaching through a landfill. The method is used to determine if the waste is characterized as hazardous.

The level, at or above which demolition waste would have to be treated as hazardous lead waste, is 5.0 parts per million of lead, or 5.0 mg/L of lead.

Synertech Incorporated is pleased to provide Duffield Associates with this report. If you have any questions regarding the information or data provided in this correspondence, feel free to contact our office at 215-755-2305.

Sincerely,
 Synertech Incorporated


 John P. Fiorelli
 Project Manager
 PA Lead Risk Assessor #004799

Synertech Incorporated


Bernard J. Bryson
 Project Manager
 Phila. License Asbestos Investigator #AIC-0437

**Asbestos Bulk Sample
Chain of Custody Logs
and
Laboratory Certificates of Analyses
for
Polarized Light Microscopy**



The Identification Specialists

Analysis Report
prepared for
Synertech

Report Date: 5/5/2021

Project Name: Carousel House - 4300 Avenue of the Republic

Project #: 632-328

SanAir ID#: 21021398



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number

21021398

FINAL REPORT

5/5/2021 2:17:50 PM

Name: Synertech
Address: 228 Moore Street
Philadelphia, PA 19148
Phone: 215-755-2305 Ext 14

Project Number: 632-328
P.O. Number:
Project Name: Carousel House - 4300 Avenue of the Republic
Collected Date: 4/29/2021
Received Date: 5/4/2021 10:30:00 AM

Dear Bernard Bryson,

We at SanAir would like to thank you for the work you recently submitted. The 57 sample(s) were received on Tuesday, May 04, 2021 via FedEx. The final report(s) is enclosed for the following sample(s): 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino".

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 57 samples in Good condition.



SanAir ID Number
21021398
FINAL REPORT
5/5/2021 2:17:50 PM

Name: Synertech
Address: 228 Moore Street
Philadelphia, PA 19148
Phone: 215-755-2305 Ext 14

Project Number: 632-328
P.O. Number:
Project Name: Carousel House - 4300 Avenue of the Republic
Collected Date: 4/29/2021
Received Date: 5/4/2021 10:30:00 AM

Analyst: Upshaw, Zoe | Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
01 / 21021398-001 End Cap Mastic Associated With FGPI - Boiler Room	White Non-Fibrous Homogeneous		100% Other	None Detected
02 / 21021398-002 End Cap Mastic Associated With FGPI - Boiler Room	White Non-Fibrous Homogeneous		100% Other	None Detected
03 / 21021398-003 Emergency Generator Exhaust Flue Insulation - Boiler Room, Insulation	Grey Non-Fibrous Homogeneous	30% Glass	70% Other	None Detected
03 / 21021398-003 Emergency Generator Exhaust Flue Insulation - Boiler Room, Wrap	White Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
04 / 21021398-004 Emergency Generator Exhaust Flue Insulation - Boiler Room, Insulation	Grey Non-Fibrous Homogeneous	30% Glass	70% Other	None Detected
04 / 21021398-004 Emergency Generator Exhaust Flue Insulation - Boiler Room, Wrap	White Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
05 / 21021398-005 Duct Sealant At Flange Connection - Boiler Room	Grey Non-Fibrous Homogeneous		100% Other	None Detected
06 / 21021398-006 CMU Wall Paint - Main Electrical Room	Blue Non-Fibrous Homogeneous		100% Other	None Detected
07 / 21021398-007 12x12 Vinyl Floor Tile - Stockpile In Boiler Room	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Zoe Sarah Upshaw

Approved Signatory:

Sandra Sobieraj

Analysis Date: 5/5/2021

Date: 5/5/2021



SanAir ID Number
21021398
FINAL REPORT
5/5/2021 2:17:50 PM

Name: Synertech
Address: 228 Moore Street
Philadelphia, PA 19148
Phone: 215-755-2305 Ext 14

Project Number: 632-328
P.O. Number:
Project Name: Carousel House - 4300 Avenue of the Republic
Collected Date: 4/29/2021
Received Date: 5/4/2021 10:30:00 AM

Analyst: Upshaw, Zoe | Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
08 / 21021398-008 12x12 Vinyl Floor Tile - Janitors Closet (Entrance Foyer)	Grey Non-Fibrous Homogeneous		100% Other	None Detected
09 / 21021398-009 Mastic Associated With 12"x12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
10 / 21021398-010 CMU Wall Paint - Track Around Basketball Court	Blue Non-Fibrous Homogeneous		100% Other	None Detected
11 / 21021398-011 Fireproofing - Boiler Room Perimeter Wall Beam	Tan Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected
12 / 21021398-012 Fireproofing - Boiler Room Perimeter Wall Beam	Tan Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected
13 / 21021398-013 2' x 4' Fissured Acoustical Ceiling Tile - Game Room	White Fibrous Homogeneous	50% Cellulose 30% Glass	20% Other	None Detected
14 / 21021398-014 Drywall/Joint Compound Wall Composite - Game Room Closet, Composite	White Non-Fibrous Heterogeneous	5% Cellulose	95% Other	None Detected
15 / 21021398-015 12" x 12" Vinyl Floor Tile - Game Room	Green Non-Fibrous Homogeneous		100% Other	None Detected
16 / 21021398-016 Mastic Associated with 12" x 12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
17 / 21021398-017 CMU Wall Expansion Seam Caulk - Weight Room	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Zoe Sarah Upshaw

Approved Signatory:

Sandra Sobieraj

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
18 / 21021398-018 CMU Wall Paint - Weight Room	Blue Non-Fibrous Homogeneous		100% Other	None Detected
19 / 21021398-019 Ceramic Wall Tile Setting Bed Mortar - Women's Restroom	Grey Non-Fibrous Homogeneous		100% Other	None Detected
20 / 21021398-020 Ceramic Wall Tile Setting Bed Mortar - Women's Restroom	Grey Non-Fibrous Homogeneous		100% Other	None Detected
21 / 21021398-021 Tar Paper Behind Ceramic Wall Tile Setting Bed Mortar	Black Fibrous Homogeneous	70% Cellulose	30% Other	None Detected
22 / 21021398-022 Tar Paper Behind Ceramic Wall Tile Setting Bed Mortar	Black Fibrous Homogeneous	70% Cellulose	30% Other	None Detected
23 / 21021398-023 Sheet Flooring - Women's Restroom Beside Pool	Red Non-Fibrous Homogeneous		100% Other	None Detected
24 / 21021398-024 Mastic Associated with Sheet Flooring	Black Non-Fibrous Homogeneous		100% Other	None Detected
25 / 21021398-025 Vinyl Cove Base - Women's Restroom Beside Pool	Brown Non-Fibrous Homogeneous		100% Other	None Detected
26 / 21021398-026 Mastic Associated With Vinyl Cove Base	Tan Non-Fibrous Homogeneous		100% Other	None Detected
27 / 21021398-027 Basketball Court Flooring	Various Non-Fibrous Heterogeneous		100% Other	None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *Sandra Askins*
Date: 5/5/2021

Analysis Date: 5/5/2021



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Analyst: Upshaw, Zoe | Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
28 / 21021398-028 Basketball Court Flooring	Various Non-Fibrous Heterogeneous		100% Other	None Detected
29 / 21021398-029 Basketball Court Flooring	Tan Non-Fibrous Heterogeneous		100% Other	None Detected
30 / 21021398-030 2' x 2' Fissured Acoustical Ceiling Tile - Pool Room	White Fibrous Homogeneous	90% Glass	10% Other	None Detected
31 / 21021398-031 Plaster Soffit - Pool Room	White Non-Fibrous Homogeneous		100% Other	None Detected
32 / 21021398-032 Plaster Ceiling - Pool Room	White Non-Fibrous Homogeneous		100% Other	None Detected
33 / 21021398-033 Mastic Applied To Concrete Floor - Pool Room	Black Non-Fibrous Homogeneous		100% Other	None Detected
34 / 21021398-034 End Cap Mastic Associated With FGPI - Gym Storage Closet	White Non-Fibrous Homogeneous		100% Other	None Detected
35 / 21021398-035 12" x 12" Vinyl Floor Tile - Gym Storage Closet	White Non-Fibrous Homogeneous		100% Other	None Detected
36 / 21021398-036 Mastic Associated with 12" x 12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
37 / 21021398-037 12" x 12" Vinyl Floor Tile - Auditorium	Brown Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *Sandra Askins*
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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
38 / 21021398-038 Mastic Associated With 12" x 12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
39 / 21021398-039 CMU Wall Paint - Auditorium	Grey Non-Fibrous Homogeneous		100% Other	None Detected
40 / 21021398-040 Joint Compound - Auditorium Drywall Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected
41 / 21021398-041 Drywall/Joint Compound Ceiling Composite - Auditorium, Composite	White Non-Fibrous Heterogeneous		100% Other	None Detected
42 / 21021398-042 Ceramic Floor Tile Grout - Kitchen	Black Non-Fibrous Homogeneous		100% Other	None Detected
43 / 21021398-043 Ceramic Floor Tile Setting Bed Mortar - Kitchen	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
44 / 21021398-044 Sheet Flooring - Men's Restroom Bedside Auditorium, Flooring	Tan Non-Fibrous Homogeneous		100% Other	None Detected
44 / 21021398-044 Sheet Flooring - Men's Restroom Bedside Auditorium, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
45 / 21021398-045 CMU Wall Paint - Men's Restroom Beside Auditorium	Green Non-Fibrous Homogeneous		100% Other	None Detected
46 / 21021398-046 Carpet Glue - Meeting Room Beside Art Room	Tan Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Zoe Sarah Upshaw

Approved Signatory:

Sandra Sobieraj

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
47 / 21021398-047 Stainless Steel Sink Undercoating - Art Room	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
48 / 21021398-048 Kiln Block - Art Room	White Non-Fibrous Homogeneous		100% Other	None Detected
49 / 21021398-049 12" x 12" Vinyl Floor Tile - Entrance Lobby	Brown Non-Fibrous Homogeneous		100% Other	None Detected
50 / 21021398-050 Mastic Associated with 12" x 12" Vinyl Floor Tile	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
51 / 21021398-051 12" x 12" Vinyl Floor Tile - Women's Restroom Inside Front	Pink Non-Fibrous Homogeneous		100% Other	None Detected
52 / 21021398-052 Mastic Associated with 12" x 12" Vinyl Floor Tile	Tan Non-Fibrous Homogeneous		100% Other	None Detected
53 / 21021398-053 Fireproofing Applied To Perimeter Beam - Game Room	Brown Fibrous Homogeneous	20% Cellulose 3% Glass	77% Other	None Detected
54 / 21021398-054 Textured Stucco - Front Entrance Vestibule, Stucco	Grey Non-Fibrous Homogeneous		100% Other	None Detected
54 / 21021398-054 Textured Stucco - Front Entrance Vestibule, Texture	Green Non-Fibrous Heterogeneous		100% Other	None Detected
55 / 21021398-055 Exterior Caulk - Building/Sidewalk Intersection	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Zoe Sarah Upshaw*

Approved Signatory: *Sandra Askins*
Date: 5/5/2021

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Project Number: 632-328
P.O. Number:
Project Name: Carousel House - 4300 Avenue of the Republic
Collected Date: 4/29/2021
Received Date: 5/4/2021 10:30:00 AM

Analyst: Upshaw, Zoe | Li, Elizabeth

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
56 / 21021398-056 Exterior Textured Stucco - Outside Main Entrance, Stucco	Grey Non-Fibrous Homogeneous		100% Other	None Detected
56 / 21021398-056 Exterior Textured Stucco - Outside Main Entrance, Texture	Green Non-Fibrous Heterogeneous		100% Other	None Detected
57 / 21021398-057 Exterior Ceramic Wall Tile Mortar - Outside Main Entrance	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Zoe Sarah Upshaw

Approved Signatory:

Sandra Sobiering

Analysis Date: 5/5/2021

Date: 5/5/2021

Disclaimer

This report is the sole property of the client named on the SanAir Technologies Laboratory chain-of-custody (COC). Results in the report are confidential information intended only for the use by the customer listed on the COC. Neither results nor reports will be discussed with or released to any third party without our client's written permission. The final report shall not be reproduced except in full without written approval of the laboratory to assure that parts of the report are not taken out of context. The information provided in this report applies only to the samples submitted and is relevant only for the date, time, and location of sampling. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample(s) in the condition in which they arrived at the laboratory and information provided by the client on the COC, such as: project number, project name, collection dates, po number, special instructions, samples collected by, sample numbers, sample identifications, sample type, selected analysis type, flow rate, total volume or area, and start stop times that may affect the validity of the results in this report. Samples were received in good condition unless otherwise noted on the report. SanAir assumes no responsibility or liability for the manner in which the results are used or interpreted. This report does not constitute and shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other U.S. governmental agencies and may not be certified by every local, state, and federal regulatory agencies.

Samples are held for a period of 60 days. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations.

For NY state samples, method EPA 600/M4-82-020 is performed.

NYELAP Disclaimer:

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870-0

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075, LA-0084

New York ELAP lab ID: 11983

Rhode Island License Number: PCM00126, PLM00126, TEM00126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000616

Vermont License: AL166318

Louisiana Department of Environmental Quality: 212253, Cert 05088

Revision Date: 8/14/2020

21021398

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405

Chain of Custody Transmittal Asbestos Bulk Samples

Project Name: Carousel House - 4300 Avenue of the Republic

Project No. 632-328

Laboratory: Sanair

Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

Samples Collected By: B. Bryson

Date/Time 4/29/2021

Transmitted to Lab By: _____

Date/Time _____

Received in Lab By: _____

Date/Time _____

Samples Analyzed By: _____

Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
01				White End Cap Mastic associated with FGPI - Boiler Room
02				White End Cap Mastic associated with FGPI - Boiler Room
03				Emergency Generator Exhaust Flue Insulation - Boiler Room
04				Emergency Generator Exhaust Flue Insulation - Boiler Room
05				Duct Sealant at Flange Connection - Boiler Room
06				CMU Wall Paint - Main Electrical Room
07				12" x 12" Grey Vinyl Floor Tile - Stockpile in Boiler Room
08				12" x 12" Grey Vinyl Floor Tile - Janitors Closet (entrance foyer to boiler room)

Note:

C = Composite- Samples indicated as composite should be analyzed/reported as a single material.

D = Discrete Stratum- Samples indicated as discrete stratum should be analyzed/reported by layer.

Page 1 of 7

JAD 5/4/21 10:30 am Page 11 of 17

Chain of Custody Transmittal Asbestos Bulk Samples

 Project Name: Carousel House - 4300 Avenue of the Republic Project No. 632-328

 Laboratory: Sanair

 Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

 Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

 Samples Collected By: B. Bryson Date/Time 4/29/2021

Transmitted to Lab By: _____ Date/Time _____

Received in Lab By: _____ Date/Time _____

Samples Analyzed By: _____ Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
09				Mastic associated with 12" x 12" Grey Vinyl Floor Tile
10				CMU Wall Paint - Track around basketball court (adjacent to Boiler Room)
11				Fireproofing - Boiler Room perimeter wall beam
12				Fireproofing - Boiler Room perimeter wall beam
13				2' x 4' Fissured Acoustical Ceiling Tile - Game Room
14			C	Drywall/Joint Compound Wall Composite - Game Room Closet
15				12" x 12" Teal Vinyl Floor Tile - Game Room
16				Mastic associated with 12" x 12" Teal Vinyl Floor Tile

Note:

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Page 2 of 7

2102398

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405

Chain of Custody Transmittal Asbestos Bulk Samples

Project Name: Carousel House - 4300 Avenue of the Republic Project No. 632-328

Laboratory: Sanair

Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

Samples Collected By: B. Bryson Date/Time 4/29/2021

Transmitted to Lab By: _____ Date/Time _____

Received in Lab By: _____ Date/Time _____

Samples Analyzed By: _____ Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
17				CMU Wall Expansion Seam Caulk - Weight Room
18				CMU Wall Paint - Weight Room
19				Ceramic Wall Tile Setting Bed Mortar - Women's Restroom beside Pool
20				Ceramic Wall Tile Setting Bed Mortar - Women's Restroom beside Pool
21				Black Tar Paper behind Ceramic Wall Tile Setting Bed Mortar - Women's Restroom beside Pool
22				Black Tar Paper behind Ceramic Wall Tile Setting Bed Mortar - Women's Restroom beside Pool
23				Red Sheet Flooring - Women's Restroom beside Pool
24				Black Mastic associated with Red Sheet Flooring

Note:

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Page 3 of 7

JAD 5/4/21 10:30am Page 13 of 17

21021398

228 Moore Street • Philadelphia, Pennsylvania 19148 • Phone 215-755-2305 • Fax 215-755-2405

Chain of Custody Transmittal Asbestos Bulk Samples

Project Name: Carousel House - 4300 Avenue of the Republic Project No. 632-328

Laboratory: Sanair

Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

Samples Collected By: B. Bryson Date/Time 4/29/2021

Transmitted to Lab By: _____ Date/Time _____

Received in Lab By: _____ Date/Time _____

Samples Analyzed By: _____ Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
25				Vinyl Cove Base - Women's Restroom beside Pool
26				Mastic associated with Vinyl Cove Base
27				Basketball Court Flooring
28				Basketball Court Flooring
29				Basketball Court Flooring
30				2' x 2' Fissured Acoustical Ceiling Tile - Pool Room
31				Plaster Soffit - Pool Room
32				Plaster Ceiling - Pool Room

Note:

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Page 4 of 7

JAD 5/4/21 10:30
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21021398

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Chain of Custody Transmittal Asbestos Bulk Samples

Project Name: Carousel House - 4300 Avenue of the Republic

Project No. 632-328

Laboratory: Sanair

Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

Samples Collected By: B. Bryson

Date/Time 4/29/2021

Transmitted to Lab By: _____

Date/Time _____

Received in Lab By: _____

Date/Time _____

Samples Analyzed By: _____

Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
33				Mastic applied to Concrete Floor - Pool Room
34				White End Cap Mastic associated with FGPI - Gym Storage Closet
35				12" x 12" White Vinyl Floor Tile - Gym Storage Closet
36				Mastic associated with 12" x 12" White Vinyl Floor Tile
37				12" x 12" Brown Vinyl Floor Tile - Auditorium
38				Mastic associated with 12" x 12" Brown Vinyl Floor Tile
39				CMU Wall Paint - Auditorium
40				Joint Compound - Auditorium Drywall Ceiling

Note:

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Page 5 of 7

JAD 5/4/21 10:30am

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Project Name: Carousel House - 4300 Avenue of the Republic

Project No. 632-328

Laboratory: Sanair

Analysis: ☒ PLM ☐ Other ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other

Samples Collected By: B. Bryson

Date/Time 4/29/2021

Transmitted to Lab By: _____

Date/Time _____

Received in Lab By: _____

Date/Time _____

Samples Analyzed By: _____

Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
41			C	Drywall/Joint Compound Ceiling Composite - Auditorium Drywall Ceiling
42				Ceramic Floor Tile Grout - Kitchen
43				Ceramic Floor Tile Setting Bed Mortar - Kitchen
44				Tan Sheet Flooring - Men's Restroom beside Auditorium
45				CMU Wall Paint - Men's Restroom beside Auditorium
46				Carpet Glue - Meeting Room beside Art Room
47				Stainless Steel Sink Undercoating - Art Room
48				Kiln Block - Art Room

Note:

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JAD 5/4/21 10:30 am

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Laboratory: Sanair

Analysis: ☒ PLM ☐ Other _____ ☐ Test Until Positive Per Homogeneous Material

Turnaround Time: ☒ 24 hours ☐ 48 hours ☐ 72 hours ☐ Other _____

Samples Collected By: B. Bryson Date/Time 4/29/2021

Transmitted to Lab By: _____ Date/Time _____

Received in Lab By: _____ Date/Time _____

Samples Analyzed By: _____ Date/Time _____

Synertech's Sample #	Homogeneous Material ID	Laboratory Sample #	C / D	Material / Location
49				12" x 12" Brown Vinyl Floor Tile - Entrance Lobby
50				Mastic associated with 12" x 12" Brown Vinyl Floor Tile
51				12" x 12" Pink Vinyl Floor Tile - Women's Restroom inside Front Offices
52				Mastic associated with 12" x 12" Pink Vinyl Floor Tile
53				Fireproofing applied to perimeter beam - Game Room
54				Textured Stucco - Front Entrance Vestibule
55				Exterior Caulk - Building/Sidewalk Intersection
56				Exterior Textured Stucco - outside Main Entrance
57				Exterior Ceramic Wall Tile Mortar - outside Main Entrance

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JAD 5/4/21 10:30am

Preliminary Asbestos Inspection Report



City of Philadelphia - Department of Public Health
Air Management Services, 2nd Fl. Asbestos Control Unit
321 University Ave. Philadelphia, PA 19104

Office Use Only

Date Received L&I:

Date Received AMS:

Date Inspected

Inspector No.

Asbestos Inspection Report

1. Name of Building / Property: **Carousel House** Address: **4300 Avenue of the Republic Philadelphia, PA 19131**

2. Name of Building / Property Owner: **City of Philadelphia Department of Recreation** Address: **1515 Arch Street -10th Floor Philadelphia, PA** Phone No.: **215-683-3600**

3. Name of Philadelphia Certified Investigator: **Bernard J. Bryson** Certification No.: **0437** Contact Information / Email / Phone No.: **215-755-2305**
L&I Commercial Activity No. (Former Business Privilege License No.): **H-31804** Business Tax ID No.: **559-2027**

4. Name of Philadelphia Licensed Laboratory: **SanAir** License No.: **ALL-460** Phone No.: **888-895-1177**

5. Scope of Work: (Insert or attach a complete description of the portion of the subject property inspected and the anticipated work that will result in the disturbance of the identified Asbestos Containing Materials (ACMs) (e.g. demolition, asbestos abatement, and / or renovation activities.)

Project No. 632-238

6. ☐ Property has been declared to be in imminent danger (ID) of failure or collapse by the City of Philadelphia Department of Licenses & Inspections. Attached is a copy of the L&I Notice of Violation declaring the property I.D. **Note: INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!

7. (ACMs) identified? ☒ Yes (List Below) ☐ No (explain)

8. Suspected ACM's sampled? ☒ Yes (attached are copies of the laboratory chain of custody and bulk sample results.) ☐ No (Why?)

9. List all identified ACM's located in the planned renovation/demolition areas. Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. (Attached are add'tl sheets)

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Section 9 begins on Page 2						

Code 1

FRI - Friable
NF1 - Non-Friable, Cat. 1
NF2 - Non-Friable, Cat. 2

Code 2

DD - Deteriorated or
Delaminated
ND - Non-Damaged

Code 3

REM - Removal necessary prior to Demo/Reno
NRN - No removal necessary, label ACM
REP - Repair & Label ACM, removal not necessary

10. I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

11. Signature of Certified Asbestos Investigator:

Date:

5/12/2021

Signature of Building Owner:

Date:



Asbestos Inspection Report

Page 2 of 2

Carousel House - 4300 Avenue of the Republic Philadelphia, PA 19131

Project No. 632-238

9.

List Asbestos Containing Material (ACM) located in the planned renovation/demolition area(s). Damaged ACM must be listed and then repaired or removed prior to renovation.

Q/U = Quantity Undetermined

Location	Description	Type (Code 1)	Amount		Condition (Code 2)	Action (Code 3)
			Square	Linear		
Boiler Room	Internal Materials associated with Weil-McLain 94 Series Sectional Boiler (assumed asbestos containing)	FRI/NF2	6'x5'x6' high boiler		ND	TBD
Boiler Room	Boiler Breeching Gaskets (assumed present; assumed asbestos containing)	NF1	10 square feet		ND	TBD
Art Room Entrance	Insulation inside Metal Panel associated with Storefront Window (assumed present; assumed asbestos containing)	NF2	6 square feet		ND	TBD
Throughout	Insulation inside Wood and Metal Fire Doors (assumed present; assumed asbestos containing)	NF2	Approx. 40 doors		ND	TBD
Rooftop(s)	Roof field and flashing (assumed asbestos-containing)	NF1	27,000 square feet		not inspected	TBD
Concealed within Wall Cavities and above Rigid Ceilings (assumed present)	Thermal System Insulation (pipe, duct, radiator, etc.)	FRI	Q/U		unknown	TBD

Signature of Certified Asbestos Investigator:

Date:

5/12/2021

Signature of Building Owner:

Date:

Photographs



Weil-McLain 94 Series Sectional Boiler (internal materials assumed asbestos-containing)



Boiler Breeching Gaskets (assumed present; assumed asbestos-containing)



Insulation inside Metal Panel associated with Storefront Window at Entrance to Art Room (assumed present; assumed asbestos-containing)



Insulation inside Wood and Metal Fire Doors throughout (assumed present; assumed asbestos-containing)

XRF Spreadsheets

Test • Inspect • Design • Manage

Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
1	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Positive	3.5
2	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.7
3	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Positive	1.1
4	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Positive	0.8
5	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0.29
6	CALIBRATION STANDARD	N/A	N/A	N/A	N/A	N/A	N/A	Negative	0
7	WALL	BLOCK	A	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
8	DOOR FRAME	METAL	A	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
9	DOOR	METAL	A	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
10	WALL	BLOCK	C	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
11	RED VALVE	METAL	N/A	POOR	RED	FIRST	BOILER ROOM	Negative	0
12	RED VALVE	METAL	N/A	POOR	RED	FIRST	BOILER ROOM	Negative	0
13	BOILER HOUSING	METAL	N/A	INTACT	BLUE	FIRST	BOILER ROOM	Negative	0
14	EXIT DOOR FRAME	METAL	C	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
15	EXIT DOOR	METAL	C	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
16	EXIT DOOR FRAME HEADER	METAL	C	INTACT	GREY	FIRST	BOILER ROOM	Negative	0.14
17	EXIT DOOR FRAME HEADER	METAL	C	INTACT	GREY	FIRST	BOILER ROOM	Negative	0.21
18	GENERATOR	METAL	N/A	INTACT	GREEN	FIRST	BOILER ROOM	Negative	0
19	ELEC. RM. DOOR FRAME	METAL	A	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
20	ELEC. RM. DOOR	METAL	A	INTACT	GREY	FIRST	BOILER ROOM	Negative	0
21	ELEC. RM. CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	BOILER ROOM	Negative	0
22	ELEC. PANEL	DRYWALL	C	POOR	GREY	FIRST	BOILER ROOM	Negative	0
23	BOILER DOOR	METAL	N/A	POOR	BLACK	FIRST	BOILER ROOM	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
24	TANK	METAL	N/A	INTACT	BLUE	FIRST	BOILER ROOM	Negative	0
25	TRUSS	METAL	N/A	INTACT	RED	FIRST	BOILER ROOM	Negative	0
26	WALL	BLOCK	A	INTACT	GREY	FIRST	BOILER ROOM UTILITY ROOM	Negative	0
27	DOOR FRAME	METAL	A	POOR	GREY	FIRST	BOILER ROOM UTILITY ROOM	Negative	0
28	DOOR	METAL	A	POOR	GREY	FIRST	BOILER ROOM UTILITY ROOM	Negative	0
29	SINK	METAL	D	POOR	WHITE	FIRST	BOILER ROOM UTILITY ROOM	Positive	44.2
30	LADDER	METAL	D	POOR	GREEN	FIRST	BOILER ROOM UTILITY ROOM	Negative	0
31	I BEAM	METAL	N/A	INTACT	RED	FIRST	BOILER ROOM UTILITY ROOM	Negative	0.21
32	WALL	BLOCK	A	INTACT	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
33	WALL	BLOCK	A	INTACT	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
34	WINDOW FRAME	METAL	A	POOR	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
35	DOOR FRAME	METAL	B	POOR	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
36	DOOR	METAL	B	POOR	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
37	CONDUIT	METAL	B	INTACT	GREEN	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
38	WALL	DRYWALL	D	INTACT	WHITE	FIRST	GAME RM. ADJ. BOILER ROOM	Negative	0
39	WALL	BLOCK	A	INTACT	WHITE	FIRST	MENS LOCKER ROOM	Negative	0
40	WALL	BLOCK	B	INTACT	WHITE	FIRST	MENS LOCKER ROOM	Negative	0
41	DOOR FRAME	METAL	A	POOR	BLUE	FIRST	MENS LOCKER ROOM	Negative	0
42	DOOR	METAL	A	POOR	BLUE	FIRST	MENS LOCKER ROOM	Negative	0
43	FLOOR	CONCRETE	N/A	POOR	RED	FIRST	MENS LOCKER ROOM	Negative	0
44	LOCKER	CONCRETE	B	POOR	BLUE	FIRST	MENS LOCKER ROOM	Negative	0
45	SHOWER TILES	CONCRETE	D	INTACT	TAN	FIRST	MENS LOCKER ROOM	Negative	0
46	SHOWER TILES	CONCRETE	D	INTACT	TAN	FIRST	MENS LOCKER ROOM	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
47	SHOWER FLOOR TILES	CONCRETE	D	INTACT	BLUE	FIRST	MENS LOCKER ROOM	Negative	0
48	WALL	CONCRETE	A	INTACT	WHITE	FIRST	POOL OFFICE	Negative	0
49	WINDOW FRAME	METAL	A	INTACT	WHITE	FIRST	POOL OFFICE	Negative	0
50	DOOR FRAME	METAL	A	POOR	WHITE	FIRST	POOL OFFICE	Negative	0
51	DOOR	METAL	A	POOR	BLUE	FIRST	POOL OFFICE	Negative	0
52	WALL	BLOCK	A	INTACT	WHITE	FIRST	POOL OFFCIE BATHROOM	Negative	0
53	WALL	BLOCK	B	INTACT	WHITE	FIRST	POOL OFFCIE BATHROOM	Negative	0
54	DOOR FRAME	BLOCK	A	INTACT	BLUE	FIRST	POOL OFFCIE BATHROOM	Negative	0
55	DOOR	BLOCK	A	INTACT	BLUE	FIRST	POOL OFFCIE BATHROOM	Negative	0
56	DOOR FRAME	METAL	A	INTACT	WHITE	FIRST	POOL AREA	Negative	0
57	DOOR	METAL	A	POOR	WHITE	FIRST	POOL AREA	Negative	0
58	WINDOW FRAME	METAL	B	POOR	WHITE	FIRST	POOL AREA	Negative	0
59	WINDOW SILL	WOOD	B	POOR	BLUE	FIRST	POOL AREA	Negative	0
60	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	POOL AREA	Negative	0
61	POOL	CONCRETE	N/A	POOR	WHITE	FIRST	POOL AREA	Negative	0
62	WALL	CONCRETE	C	POOR	WHITE	FIRST	POOL AREA	Negative	0
63	PIPE	METAL	C	POOR	WHITE	FIRST	POOL AREA	Negative	0
64	RADIATOR COVER	METAL	A	POOR	BLACK	FIRST	POOL AREA	Negative	0
65	EXIT DOOR FRAME	METAL	C	POOR	BLACK	FIRST	POOL AREA	Negative	0
66	EXIT DOOR	METAL	C	POOR	BLACK	FIRST	POOL AREA	Negative	0
67	FLOOR	CONCRETE	C	POOR	BLACK	FIRST	POOL AREA	Negative	0
68	FLOOR	CONCRETE	C	POOR	BLACK	FIRST	POOL AREA	Negative	0
69	METAL POOL COVER	METAL	N/A	POOR	WHITE	FIRST	POOL AREA	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
70	METAL POOL COVER	METAL	N/A	POOR	WHITE	FIRST	POOL AREA	Negative	0
71	WALL	BLOCK	A	POOR	BLUE	FIRST	POOL MECHANICAL ROOM	Negative	0
72	DOOR FRAME	METAL	A	POOR	GREY	FIRST	POOL MECHANICAL ROOM	Negative	0
73	DOOR	METAL	A	POOR	GREY	FIRST	POOL MECHANICAL ROOM	Negative	0
74	VALVE	METAL	A	POOR	BLUE	FIRST	POOL MECHANICAL ROOM	Negative	0
75	VALVE	METAL	A	POOR	BLUE	FIRST	POOL MECHANICAL ROOM	Negative	0
76	PANEL BOX	METAL	B	POOR	GREY	FIRST	POOL MECHANICAL ROOM	Negative	0
77	PANEL BOX	METAL	B	POOR	GREY	FIRST	POOL MECHANICAL ROOM	Negative	0
78	WALL	BLOCK	A	INTACT	GREY	FIRST	BASKETBALL COURT	Negative	0
79	COLUMN ENCLOSURE	METAL	A	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
80	COLUMN ENCLOSURE	METAL	A	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
81	WINDOW SILL	WOOD	D	POOR	BLUE	FIRST	BASKETBALL COURT	Negative	0
82	EXIT DOOR FRAME	WOOD	C	POOR	BLUE	FIRST	BASKETBALL COURT	Negative	0
83	EXIT DOOR	WOOD	C	POOR	BLUE	FIRST	BASKETBALL COURT	Negative	0
84	RADIATOR COVER	WOOD	C	POOR	BLACK	FIRST	BASKETBALL COURT	Negative	0
85	RADIATOR COVER	WOOD	C	POOR	BLACK	FIRST	BASKETBALL COURT	Negative	0
86	WALL	BLOCK	B	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
87	BENCH	WOOD	B	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
88	WINDOW FRAME	METAL	B	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
89	RADIATOR COVER	METAL	B	POOR	BLACK	FIRST	BASKETBALL COURT	Negative	0
90	WINDOW FRAME	METAL	A	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
91	WINDOW FRAME	METAL	A	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
92	FLOOR	CONCRETE	N/A	POOR	TAN	FIRST	BASKETBALL COURT	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
93	RAILING	METAL	A	POOR	GREY	FIRST	BASKETBALL COURT	Negative	0
94	ARCH FRAME	METAL	D	POOR	WHITE	FIRST	BASKETBALL COURT	Negative	0
95	WALL	BLOCK	A	POOR	BLUE	FIRST	WEIGHT ROOM	Negative	0
96	WALL	BLOCK	B	POOR	BLUE	FIRST	WEIGHT ROOM	Negative	0
97	EXIT DOOR FRAME	BLOCK	B	POOR	BLUE	FIRST	WEIGHT ROOM	Negative	0
98	EXIT DOOR	BLOCK	B	POOR	GREY	FIRST	WEIGHT ROOM	Negative	0
99	RADIATOR COVER	METAL	B	POOR	BLUE	FIRST	WEIGHT ROOM	Negative	0
100	WINDOW SILL	WOOD	B	POOR	BLUE	FIRST	WEIGHT ROOM	Negative	0
101	DOOR FRAME	METAL	A	POOR	WHITE	FIRST	WEIGHT ROOM	Negative	0
102	DOOR	METAL	A	POOR	WHITE	FIRST	WEIGHT ROOM	Negative	0
103	WALL	BLOCK	A	INTACT	WHITE	FIRST	MEETING ROOM	Negative	0
104	WALL	BLOCK	B	INTACT	WHITE	FIRST	MEETING ROOM	Negative	0
105	WINDOW SILL	WOOD	B	INTACT	GREY	FIRST	MEETING ROOM	Negative	0
106	RADIATOR	WOOD	B	INTACT	GREY	FIRST	MEETING ROOM	Negative	0
107	DOOR FRAME	METAL	A	INTACT	PINK	FIRST	MEETING ROOM	Negative	0
108	DOOR	WOOD	A	INTACT	PINK	FIRST	MEETING ROOM	Negative	0
109	WALL PANEL	METAL	A	INTACT	WHITE	FIRST	MEETING ROOM	Negative	0
110	DOOR FRAME	METAL	A	INTACT	WHITE	FIRST	MEETING ROOM	Negative	0
111	DOOR	WOOD	A	INTACT	GREY	FIRST	MEETING ROOM	Negative	0
112	WALL	DRYWALL	D	INTACT	GREY	FIRST	MEETING ROOM	Negative	0
113	WALL	BLOCK	A	INTACT	BLUE	FIRST	MEETING ROOM	Negative	0
114	CLOSET DOOR FRAME	METAL	D	INTACT	BLUE	FIRST	MEETING ROOM	Negative	0
115	CLOSET DOOR	METAL	D	INTACT	GREY	FIRST	MEETING ROOM	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
116	SHELF	WOOD	D	INTACT	GREY	FIRST	MEETING ROOM	Negative	0
117	WINDOW SILL	WOOD	C	POOR	GREY	FIRST	MEETING ROOM	Negative	0
118	SHELF	WOOD	B	POOR	BLUE	FIRST	MEETING ROOM	Negative	0
119	WALL	BLOCK	A	INTACT	YELLOW	FIRST	FRONT BOY'S BATHROOM	Negative	0
120	WALL	BLOCK	B	INTACT	GREEN	FIRST	FRONT BOY'S BATHROOM	Negative	0
121	WALL	BLOCK	C	INTACT	GREEN	FIRST	FRONT BOY'S BATHROOM	Negative	0
122	DOOR FRAME	METAL	A	INTACT	GRDY	FIRST	FRONT BOY'S BATHROOM	Negative	0
123	DOOR	WOOD	A	INTACT	GRDY	FIRST	FRONT BOY'S BATHROOM	Negative	0
124	URINAL	CERAMIC	B	INTACT	YELLOW	FIRST	FRONT BOY'S BATHROOM	Negative	0.19
125	URINAL	CERAMIC	B	INTACT	YELLOW	FIRST	FRONT BOY'S BATHROOM	Negative	0.2
126	SINK	CERAMIC	B	INTACT	WHITE	FIRST	FRONT BOY'S BATHROOM	Positive	3.3
127	WALL	BLOCK	B	INTACT	WHITE	FIRST	KITCHEN	Negative	0
128	WALL	BLOCK	D	INTACT	WHITE	FIRST	KITCHEN	Negative	0
129	DOOR FRAME	METAL	A	POOR	GREY	FIRST	KITCHEN	Negative	0
130	DOOR	METAL	A	POOR	GREY	FIRST	KITCHEN	Negative	0
131	CERAMIC FLOOR TILE	METAL	A	POOR	BROWN	FIRST	KITCHEN	Negative	0
132	WINDOW SILL	WOOD	C	POOR	WHITE	FIRST	KITCHEN	Negative	0
133	EXIT DOOR FRAME	METAL	C	POOR	GREY	FIRST	KITCHEN	Negative	0
134	EXIT DOOR	METAL	C	POOR	GREY	FIRST	KITCHEN	Negative	0
135	EXIT DOOR LINTEL	METAL	C	POOR	GREY	FIRST	KITCHEN	Negative	0.16
136	WALL	BLOCK	C	POOR	GREY	FIRST	AUDITORIUM	Negative	0
137	WALL	BLOCK	D	POOR	GREY	FIRST	AUDITORIUM	Negative	0
138	COAT RACK	WOOD	D	POOR	GREY	FIRST	AUDITORIUM	Negative	0



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
139	RAILING	WOOD	D	POOR	GREY	FIRST	AUDITORIUM	Negative	0
140	CEILING	DRYWALL	N/A	POOR	WHITE	FIRST	AUDITORIUM	Negative	0
141	CEILING	CONCRETE	N/A	POOR	WHITE	FIRST	POOL	Negative	0
142	WALL	CONCRETE	A	POOR	GREEN	FIRST	OUTSIDE	Negative	0
143	WALL	CONCRETE	A	POOR	GREEN	FIRST	OUTSIDE	Negative	0
144	WINDOW SCREEN	CONCRETE	A	POOR	TAN	FIRST	OUTSIDE	Negative	0
145	WINDOW SCREEN	CONCRETE	A	POOR	TAN	FIRST	OUTSIDE	Negative	0
146	COLUMN	METAL	A	POOR	TAN	FIRST	OUTSIDE	Negative	0.16
147	COLUMN	METAL	A	POOR	TAN	FIRST	OUTSIDE	Negative	0.2
148	COLUMN	METAL	A	POOR	GREY	FIRST	OUTSIDE	Negative	0.19
149	PARKING POLE	METAL	A	POOR	GREY	FIRST	OUTSIDE	Negative	0.2
150	COLUMN	METAL	D	POOR	GREY	FIRST	OUTSIDE	Negative	0.1
151	COLUMN	METAL	D	POOR	TAN	FIRST	OUTSIDE	Negative	0.13
152	PIPE	METAL	D	POOR	GREY	FIRST	OUTSIDE	Negative	0
153	DOOR FRAME	METAL	D	POOR	GREY	FIRST	OUTSIDE	Negative	0
154	DOOR	METAL	D	POOR	GREY	FIRST	OUTSIDE	Negative	0
155	PIPE	METAL	A	POOR	PINK	FIRST	OUTSIDE	Negative	0
156	WINDOW SCREEN	METAL	A	POOR	PINK	FIRST	OUTSIDE	Negative	0
157	WALL	DRYWALL	A	POOR	WHITE	FIRST	FRONT OFFICE AREA	Negative	0
158	WALL	DRYWALL	B	POOR	WHITE	FIRST	FRONT OFFICE AREA	Negative	0
159	WALL	DRYWALL	C	POOR	WHITE	FIRST	FRONT OFFICE AREA	Negative	0
160	DOOR FRAME	METAL	A	POOR	GREY	FIRST	FRONT OFFICE AREA	Negative	0
161	DOOR	METAL	A	POOR	GREY	FIRST	FRONT OFFICE AREA	Negative	0

Test • Inspect • Design • Manage



Lead Based Paint Testing Data - XRF Results

Project Name & Number: Carousel House ; 632-328

Client Name: Duffield Associates

Inspector & Dates: John P. Fiorelli, April 29, 2021

Reading No	Component	Substrate	Side	Condition	Color	Floor	Room	Results	Mg/cm ²
162	WINDOW SILL	WOOD	A	POOR	GREY	FIRST	FRONT OFFICE AREA	Negative	0
163	WALL	DRYWALL	A	POOR	GREEN	FIRST	FRONT OFFICE AREA - WORK ROOM	Negative	0
164	WALL	DRYWALL	B	POOR	GREEN	FIRST	FRONT OFFICE AREA - WORK ROOM	Negative	0
165	DOOR FRAME	DRYWALL	A	POOR	GREEN	FIRST	FRONT OFFICE AREA - WORK ROOM	Negative	0
166	DOOR	DRYWALL	A	POOR	WHITE	FIRST	COMPUTER ROOM	Negative	0
167	DOOR	WOOD	A	POOR	GREY	FIRST	COMPUTER ROOM	Negative	0
168	WALL	DRYWALL	C	INTACT	WHITE	FIRST	COMPUTER ROOM	Negative	0
169	WALL	DRYWALL	D	INTACT	WHITE	FIRST	FRONT OFFICE BATHROOM	Negative	0
170	WALL	DRYWALL	B	INTACT	WHITE	FIRST	FRONT OFFICE BATHROOM	Negative	0
171	DOOR FRAME	METAL	A	INTACT	GREY	FIRST	FRONT OFFICE BATHROOM	Negative	0
172	IBEAM	METAL	A	INTACT	GREY	FIRST	POOL	Negative	0.2
173	IBEAM	METAL	A	PEELING	TAN	FIRST	OUTSIDE	Negative	0.21
174	IBEAM	METAL	A	PEELING	TAN	FIRST	OUTSIDE	Negative	0.18
175	IBEAM	METAL	A	PEELING	TAN	FIRST	OUTSIDE	Negative	0.2
176	CERAMIC WALL TILES	CERAMIC	A	PEELING	GREY	FIRST	OUTSIDE	Negative	0

**Paint Chip Chain of Custody
and Certificate of Analysis**

CERTIFICATE OF ANALYSIS

Client: Synertech Inc.
228 Moore Street
Philadelphia PA 19148

Report Date: 5/4/2021
Report No.: 636195 - Lead Paint
Project: Carousel House
Project No.: 632-328

Client: SYN177

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 7211663
Client No.: 01

Description:
Location: Exterior Columns

Result (% by Weight): <0.0076
Result (ppm): <76
Comments:

Lab No.: 7211664
Client No.: 02

Description:
Location: Exterior Beams

Result (% by Weight): 0.17
Result (ppm): 1700
Comments:

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

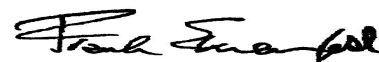
Date Received: 5/3/2021

Date Analyzed: 05/04/2021

Signature:

Analyst: Chad Shaffer

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Synertech Inc.
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 5/4/2021
Report No.: 636195 - Lead Paint
Project: Carousel House
Project No.: 632-328

Appendix to Analytical Report:

Customer Contact: Jacqueline McMahon

Method: ASTM D3335-85a, US EPA SW846 3050B:7000B

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: Shirley Clark

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Paint

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 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.

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This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188

- NYSDOH-ELAP No. 11021

This report meets the standards set forth in the EPA's National Lead Laboratory Accreditation Program (NLLAP) through the Laboratory Quality System Requirements (LQSR) Revision 3.0 November 5, 2007. All Environmental Lead Proficiency Analytical Testing (ELPAT) is through the AIHA-PAT established program.

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.005% by weight. RL=0.010% by weight (based upon 100 mg sampled).

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 complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

CERTIFICATE OF ANALYSIS

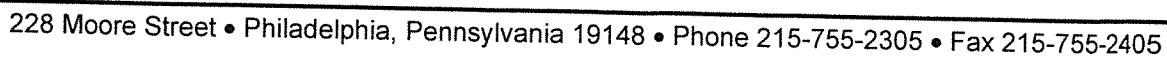
Client: Synertech Inc.
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 5/4/2021
Report No.: 636195 - Lead Paint
Project: Carousel House
Project No.: 632-328

* Insufficient sample provided to perform QC reanalysis (<200 mg)
** Not enough sample provided to analyze (<50 mg)
*** Matrix / substrate interference possible.

< less than sign, signifies none-detected below the empirical value based upon sub-sampled mass. This is often below the Reporting Limit (see above).



Project Name: CAROUSEL HOUSE

Project No: 632-328.

Laboratory: *INTL*

Turnaround Time

☒ 24 hours

[] 48 hours

☐ 72 hours

Samples Collected By: J. Fiorelli

Date/Time 4/25/21

Transmitted to Lab By: DPK

Date/Time 5/3/21

Received in Lab By: _____

Date/Time _____

Samples Analyzed By: _____

Date/Time _____

iATL - By _____

APPENDIX A

Appendix A - Asbestos Inspection

The purpose of the inspection was to identify asbestos containing materials (ACMs) on all exposed areas of the structure. The building was inspected to generate the data provided in this report for the purposes of establishing the conclusions regarding the type, quantity, location, and condition of the ACMs observed. A City of Philadelphia Pennsylvania Licensed Asbestos Investigator collected bulk samples of suspect ACMs located throughout the building and generated a list of all identified homogeneous areas.

When conducting an asbestos inspection, the various suspect asbestos containing building materials are grouped into “homogeneous areas” for sampling and assessment. A homogeneous area is defined as an area of a particular **material** that is uniform in color, texture, application, date of installation and function and is believed to be similar in all other aspects. Samples of each homogenous area (material) are then collected to determine its asbestos content.

Note that exploratory demolition was not performed to locate and quantify concealed ACMs. The building was occupied and functional during the survey, and every effort was employed to maintain the integrity of architectural surfaces, operating mechanical systems, and structural components. Bulk samples were not collected from any homogeneous area that would cause aesthetic damage or where the Asbestos Investigator determined that the material is fiberglass, foam glass, rubber, metal, or wood.

An asbestos containing material (ACM) is defined as one that has a composition of greater than one (1%) percent asbestos by weight. Upon confirmation of a material to be asbestos containing, a physical assessment is provided to document its quantity, condition, and friability classification. The friability of a material is a term used to describe a physical property of suspect asbestos containing materials. A friable material is one that, when dry, can be crushed and reduced to a powder by hand pressure. Conversely, a non-friable material is one that, when dry, cannot be crushed and reduced to a powder by hand pressure. Refer to more detailed definitions of friable and non-friable asbestos containing materials presented on page 2.

Appendix A - Asbestos Inspection

ACM Categories

☐ **EPA Category I Non-friable ACM (NF1)**

ACMs that cannot be reduced to a powder by hand pressure or crumbled between the fingers, limited to asbestos-containing gaskets, packings, resilient floor coverings, resilient floor covering mastic, and asphalt roofing products. Asphalt roofing products which may contain asbestos 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 flashings. ACM roofing products that use other bituminous or resinous binders (such as coal tars or pitches) are also considered to be EPA Category I Non-friable ACM. In an EPA Category I Non-friable ACM, the asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including sanding, grinding, pulverizing, penetrating or cutting with power tools, or otherwise reducing to a powder. Mere cracking or minor breakage does not constitute the type of damage that would be considered as rendering these types of asbestos materials friable.

☐ **EPA Category II Non-friable ACM (NF2)**

ACMs that cannot be reduced to a powder by hand pressure or crumbled between the fingers, and includes all other non-friable ACMs that are not classified as an EPA Category I Non-friable ACM. EPA Category II Non-friable ACMs include, but are not limited to, asbestos-cement shingles, asbestos cement tiles, cementitious “transite” boards or panels and cementitious Laboratory Table Tops. In an EPA Category II Non-friable ACM, the asbestos fibers remain bound within the matrix of the material. These types of materials pose no hazard of releasing asbestos fibers into the air unless rendered friable by activities including breaking, sanding, grinding, pulverizing, penetrating or cutting with power tools, or otherwise reducing the panels or table tops to a powder. However, minor breakage does constitute the type of damage that would be considered as rendering these types of materials friable, as asbestos fibers may be released along the fractured surfaces or from the edges exposed by the breakage. Generally speaking, EPA Category II Non-friable ACMs is more likely to become friable when damaged than is EPA Category I Non-friable ACM.

☐ **EPA Regulated Friable ACM (FRI)**

ACMs that can be reduced to a powder by hand pressure or crumbled between the fingers including, but not limited to, thermal insulation (e.g. - pipe, boiler, tank insulation) and surfacing materials (e.g. acoustical plaster, acoustic ceiling tiles, fireproofing). These ACMs pose a significant hazard of releasing asbestos fibers into the air when impacted or damaged in any way.

Appendix A - Asbestos Inspection

Bulk Sample Analysis

All bulk samples were analyzed by EMSL of Cinnaminson, New Jersey (NIST-NVLAP No. 137/101048-0; AIHA Lab No. 100194), IATL of Mt. Laurel, NJ (NIST-NVLAP No. 101/10165-0; AIHA Lab No. 100188) or SanAir of Powhatan Virginia (NIST-NVLAP No. ALL-460/200870-0; AIHA Lab No. 162952). Bulk samples were analyzed via Polarized Light Microscopy (PLM), method EPA 600/R-93/116, the standard method of analysis for asbestos content in building materials.

Reference the Asbestos Bulk Sample Chain of Custody Logs and Laboratory Certificates of Analyses for individual results (Attachment 1).

Appendix A - Asbestos Inspection

Definitions

ACPF - Asbestos Containing Pipe Fitting

ACPI - Asbestos Containing Pipe Insulation

Aggressive Sampling – A method of air sampling in which activity is simulated in the sample area by the use of mechanical equipment to stir up settled dust during the sampling period.

AHERA - Asbestos Hazard Emergency Response Act of 1987

Air Monitoring - the process of measuring the fiber content of a specific volume of air in a specific period of time.

Airlock – A system for permitting the passage between a contaminated area and an uncontaminated area while restricting air movement, and consisting of a curtained doorway having at least three (3) overlapping layers of plastic sheeting.

Amended Water - Water to which a surfactant has been added.

Asbestos - A general name used for certain naturally occurring fibrous minerals; including chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.

Asbestos Abatement - Procedures to control fiber release from asbestos containing materials (i.e. removal, encapsulation or enclosure).

Asbestos Abatement Contractor - A person who has completed an approved training or review course and has received an asbestos abatement training certificate.

Asbestos Containing Material (ACM) - any material containing more than 1% asbestos.

Asbestos Control Regulation - Standards, procedures and other requirements for the removal, enclosure or encapsulation of asbestos or any other activity which disturbs or damages asbestos, under certain terms and conditions, through adoption of regulations by the Philadelphia Board of Health.

Asbestos Inspection Report – A document prepared by an independent certified asbestos investigator concerning the presence and condition of asbestos material in a building.

Asbestos Investigator – An individual approved by the Department of Public Health and employed or retained by a building owner to identify the presence and evaluate the condition of asbestos material in a building. An asbestos investigator shall not be associated with the contractor employed to perform the alteration or demolition work in the building.

Asbestos Program Manager - An individual responsible for implementing and documenting the Operations and Maintenance (O&M) Program. The Asbestos Program Manager must be sufficiently knowledgeable regarding asbestos to implement this O&M Program.

Asbestos Project Inspector - A technically qualified individual licensed by the City of Philadelphia and the Commonwealth of Pennsylvania and employed or retained by the Owner to perform continuous monitoring of an asbestos abatement project.

Appendix A - Asbestos Inspection

Definitions

Asbestos Project Manager - A technically qualified individual by virtue of experience and education, designated as the Owners representative and responsible for supervising the Asbestos Project Inspector and helping to ensure compliance with the Technical Specifications.

Authorized person - any person authorized by the employer and required by work duties to be present in asbestos abatement regulated areas.

Barrier - Plastic sheeting and/or other materials used along with the floors, ceilings and walls of a structure to form an isolated work environment that separates the contaminated work area from uncontaminated areas.

Building/Facility Owner - the legal entity, including a lessee, which exercises control over management and record keeping functions relating to a building and/or facility.

Certified Industrial Hygienist (CIH) - one certified in the practice of industrial hygiene by the American Board of Industrial Hygiene.

Clean Room - An uncontaminated area or room that is part of the workers decontamination enclosure system, with the provisions for storage of workers street clothes and protective equipment.

Containment Bag – (aka glove bag) A plastic bag specifically signed to permit the removal of asbestos material without releasing asbestos fibers into the air.

Contaminated - Containing or coated with asbestos.

Critical Barrier – Two (2) layers of plastic sheeting applied to openings occurring in a wall, the underside of ceiling construction, electrical outlets, non-removable lights, HVAC systems, windows, doorways, entranceways, ducts, grilles, grates, diffusers, floor drains, etc., that prevent the distribution of asbestos fibers to the surrounding area.

Decontamination Chamber - a series of connected rooms, with curtained doorways between any two adjacent room, used for the decontamination of workers and of materials and equipment.

Employee Exposure - exposure to airborne asbestos that would occur if the employee were not using respiratory protective equipment.

Encapsulant - A liquid agent used to seal the surface (bridging encapsulant) or to penetrate ACM (penetrating encapsulant) to control the release of airborne asbestos fibers. Encapsulant must be approved for use by the EPA and Philadelphia Air Management Services.

Encapsulation - a procedure necessary to coat surfaces covered with asbestos containing material with an encapsulant to control the release of asbestos fibers into the ambient air.

Equipment Room - a contaminated area or room that is part of a worker decontamination enclosure system, with provisions for storage of contaminated clothing and equipment.

Excursion limit - An employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air (1 f/cc) as averaged over a sampling period of thirty (30) minutes.

Appendix A - Asbestos Inspection

Definitions

Fiber - a particulate form of asbestos 5 micrometers or longer, with a length-to-diameter ratio of at least 3 to 1.

Fiber Release Episode - unintentional and unexpected disturbance of asbestos. Typical occurrences which might cause a fiber release episode include fire, major water damage from roof leakage, pipe rupture, or other means, construction procedures causing excessive vibrations such as coring, jack-hammering, or vibrations from other mechanical construction devices, improperly planned or executed renovation or remodeling activities and /or earthquake, structural failure or other catastrophic building movements.

High-efficiency particulate air (HEPA) Vacuum - High Efficiency Particulate Air filtered vacuum equipped with a filter system capable of collecting asbestos fibers.

HEPA filter - a filter capable of trapping and retaining at least 99.97 percent of 0.3 micrometer diameter mono-disperse particles.

Homogeneous area - an area of surfacing material or thermal system insulation that is uniform in color and texture.

HM ID - homogeneous material identification

Incidental Asbestos Project – A project that disturbs or damages either: (a) five (5) square feet or less of friable asbestos material at one location or (b) one (1) linear foot or less of asbestos pipe covering at one location.

Industrial Hygienist - a professional qualified by education, training, and experience to anticipate, recognize, evaluate and develop controls for occupational health hazards.

Labeling - Labels shall be affixed to products containing asbestos fibers, or to their containers. When a building owner or employer identifies previously installed ACM and/or PACM, labels or signs shall be affixed or posted so that employees will be notified of what materials contain ACM and/or PACM. The employer shall attach such labels in areas where they will clearly be noticed by employees who are likely to be exposed, such as at the entrance to mechanical room/areas.

Limited Use Standard – A maximum allowable concentration of airborne asbestos fibers established by the Philadelphia Department of Public Health for a building or portion thereof only for that use necessary prior to demolition.

Major Asbestos Project – Any project, except in a private residence, which involves, within one (1) year, the removal, enclosure, or encapsulation of or any renovation, repair, or demolition work which disturbs or damages either: (a) eighty (80) square feet or more of friable asbestos material from ceilings, walls, structural members, mechanical components, or other surfaces at one location; or (b) forty (40) linear feet or more of asbestos pipe covering at one location.

Minor Asbestos Project – Any project involving, within one (1) year, the removal, enclosure, or encapsulation of or any renovation, repair, or demolition work which disturbs or damages either: a. more than twelve (12) square feet but less than eighty (80) square feet of friable asbestos material at one location; or b. more than three (3) linear feet but less than forty (40) linear feet of asbestos pipe covering at one location; or c. any asbestos project in a private residence involving more than twelve (12) square feet of friable asbestos material, or more than three (3) linear feet of asbestos pipe covering.

Appendix A - Asbestos Inspection

Definitions

Negative Pressure Ventilation System - A local exhaust system equipped with HEPA filters capable of maintaining a pressure differential of 0.02 inches of water at all time across containment barriers relative to adjacent unsealed areas.

NESHAPS - National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61).

NIOSH - National Institute for Occupational Safety and Health.

Operations and Maintenance (O&M) Program - A program for suspect and confirmed asbestos-containing materials is a set of activities and procedures that, when implemented, minimize potential exposure of building occupants and workers to airborne asbestos fibers. The focus of an O&M Program is on building maintenance and service workers, and outside contractors, since their activities are most likely to create a fiber release episode. Covered activities include maintenance, renovation, demolition, routine cleaning, and custodial work.

PACM - presumed asbestos containing material

PADEP - Pennsylvania Department of Environmental Protection.

PCM – Phase Contrast Microscopy NIOSH Method 7400

Periodic Surveillance - a visual inspection intended to document that the condition of suspect ACM has not changed or deteriorated significantly since the preceding inspection period. Periodic surveillance must be performed every 6 months by an EPA accredited asbestos building inspector for all AHERA governed buildings (public and private schools, grades K through 12).

Presumed Asbestos Containing Material - thermal system insulation and surfacing material found in buildings constructed prior to 1980.

Regulated Area - an area established by the employer to demarcate areas where airborne concentrations of asbestos exceed, or there is a reasonable possibility they may exceed, the permissible exposure limits.

Re-Occupancy Standard – A maximum allowable concentration of airborne asbestos fibers established by the Philadelphia Department of Public Health for re-occupancy of a building, private residence, or portion thereof following completion of an asbestos project.

Shower Room - A room between the clean room and the equipment room in the worker decontamination chamber, with hot and cold running water and suitably arranged for complete showering during decontamination. The shower room comprises an airlock between contaminated and clean areas.

Small Asbestos Project – Any project involving the removal, enclosure, or encapsulation of or any renovation, repair or demolition work which disturbs or damages either: (a) twelve (12) square feet or less but more than five (5) square feet of friable asbestos material at one location; or (b) three (3) linear feet or less but more than one (1) linear foot of asbestos pipe covering at one location.

Surfacing Material - material that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes).

Appendix A - Asbestos Inspection

Definitions

Thermal System Insulation (TSI) - ACM applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain.

Time-Weighted Average (TWA) Limit - An employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight (8)-hour time-weighted average (TWA).

US EPA - United States Environmental Protection Agency

Vacuuuming - HEPA-filtered vacuuming equipment shall be used for vacuuming asbestos containing waste and debris. The equipment shall be used and emptied in a manner which minimizes the reentry of asbestos into the workplace.

VAT - Vinyl Asbestos (floor) Tile

Warning Sign - A sign that bears the following legend:

DANGER
ASBESTOS
MAY CAUSE CANCER
CAUSES DAMAGE TO LUNGS
AUTHORIZED PERSONNEL ONLY

Wet Methods - asbestos shall be removed in a wet state sufficient to prevent the emission of airborne fibers so as to expose employees to levels in excess of the TWA and/or excursion limit.

Wettable Cloth – A plaster-impregnated fiberglass webbing which is used in containment bag removal of asbestos pipe insulation to seal exposed ends of insulation remaining on pipe.

Work Area – Designated rooms, spaces, or areas where an asbestos project takes place and which are separated by isolation barriers from adjacent areas.

10-Day Notification - Notification to the EPAs Department of Environmental Protection (DEP) and Philadelphia Air Management Services (AMS) required for all asbestos abatement work, regardless of the quantity of ACM impacted. Asbestos abatement work cannot begin until the 10-day waiting period upon submission of the notification has ended.

Appendix A - Asbestos Inspection

Background Information on Asbestos

Asbestos is a general name used for certain naturally occurring fibrous minerals. Asbestos is fire resistant, chemically and electrically inert, and very strong. These properties made asbestos popular for use in building materials. Historically, asbestos has been included in such building products such as spray-applied fireproofing, plaster, acoustical plaster, thermal system insulation, acoustical ceiling tile, spline ceiling tile, textured paint, joint compound and resilient (linoleum) flooring. It has been estimated by the EPA that 40 to 60 percent of all buildings constructed in the United States since the 1940s contain some type of ACM.

Asbestos is a known human carcinogen. Exposure to airborne asbestos fibers can cause lung cancer, mesothelioma, asbestosis, and other health effects. The use of asbestos in construction materials has raised concern regarding potential exposure to airborne asbestos in some buildings. If ACM remains in good condition and is unlikely to be disturbed, the potential for exposure will be negligible. However, when ACM is damaged or disturbed, asbestos fibers can be released, creating a potential hazard for building occupants, employees, and contractors. It must be emphasized that the presence of ACM alone does not imply exposure; fibers must first be released from the material, become airborne and then be inhaled. With regard to minimizing potential exposures, of particular concern is ACM that is friable (i.e. materials that when dry, may be crumbled, pulverized or reduced to powder by hand pressure).

Asbestos continues to be widely used in building materials worldwide; including portions of North America outside of the United States and asbestos is still encountered in newly-installed suspect materials. Regulation of asbestos in the United States began in the 1970s with the creation of OSHA and the EPA. Both agencies have since issued regulations intended to protect workers, the public, and the environment from exposure to or contamination from ACM. These regulations have been adopted by and in some cases expanded by state and local governments in a further attempt to control ACM.

Appendix A - Asbestos Inspection

Non-Asbestos Materials

Because of the cost associated with abatement and management of ACM, it is important to track materials that have been sampled sufficiently to rebut the assumption / presumption of asbestos content. This information does not circumvent future sampling requirements, but can assist the asbestos program manager in making decisions about building operation and maintenance.

In accordance with NESHAP regulations, prior to the commencement of demolition or renovation (including typical maintenance activities) that has the potential to disturb suspect ACM, the building owner must “thoroughly inspect” the affected building or part of the building where the activity will occur for the presence of ACM. While the EPA does not define “thoroughly inspect,” the AHERA sampling protocol has been widely accepted as the standard for performing asbestos surveys except in states with an even more stringent sampling protocol. If a material has been sampled in accordance with this protocol, by a properly licensed/designated inspector, and none of the samples collected are found to contain asbestos, the material can be considered non-ACM.

Appendix A - Asbestos Inspection

Disturbance of ACM

To protect the health of workers and occupants, the participants in the O&M Program must avoid disturbing ACM. ACM that has been disturbed or becomes damaged can expose individuals to airborne asbestos fibers. Typical activities and external causes which may involve the disturbance of ACM include:

- sweeping or normal vacuuming of debris resulting from ACM that has been damaged;
- improper maintenance of resilient flooring such as sanding, or high speed or dry buffing;
- heavy pedestrian traffic;
- water or moisture damage;
- maintenance, renovation or demolition activities (especially sanding, grinding or cutting);
- coring of roof deck, walls or floors to create penetrations for utilities; and
- other activities which cause damage, abrasions, etc. to ACM.

Appendix A - Asbestos Inspection

NESHAP Threshold Quantities

For renovation or demolition within a building, EPA NESHAP regulations pertaining to engineering controls apply if the quantity of ACM to be disturbed is greater than 260 linear feet, 160 square feet or 35 cubic feet. NESHAP notification requirements apply if materials to be disturbed, either a single project or from multiple projects performed on an annual basis, will exceed the threshold quantities. These quantities are referred to as threshold quantities. The threshold quantities are also important for determining regulatory applicability in many states, including Pennsylvania. It is important to note however that the City of Philadelphia has more stringent threshold quantities than those specified in federal regulations.

Appendix A - Asbestos Inspection

Outline of Asbestos Topics

WHAT IS ASBESTOS?

Asbestos is a naturally occurring mineral:

Silicon-based

Fibrous

Obtained by strip mining (United States, Canada, Russia, South Africa)

Very good physical properties for use in construction materials:

Strong

Heat and electrical insulating

Resistant to corrosives

Resistant to biological attack

“Indestructible”

Used since ancient times:

Egyptians wrapped mummies in woven asbestos cloth.

Charlemagne had a tablecloth made of asbestos cloth.

Ancient Greeks had knowledge that a high percentage of slaves who worked with asbestos died young from respiratory ailments.

HOW WAS/IS IT USED?

Thermal System Insulation:

Pipe insulation

Fitting insulation (valves, tee's, elbows, etc.)

Duct insulation

Equipment insulation (boilers, water chillers, heat exchangers, boiler exhaust flues, etc.)

Rubberized paint (vapor barrier on pipe lagging, etc.)

Mastic (duct sealant, vapor barrier sealant, etc.)

Electrical wiring insulation

Duct isolation gasket (“canvas boot”)

Building Materials:

Spray-applied fireproofing

Spray-applied acoustical ceiling materials (“popcorn”)

Wall and ceiling plaster (trowel-applied in layers)

Stucco (interior/exterior)

Acoustical ceiling tiles

Wallboard (“gypsum board”, “drywall”, etc.)

Wallboard joint compound (“tape mud”, etc.)

Wall texture

Blown-in/blanket insulation

Backing paper

Textured paint (walls)

Fiberglass aluminum paint (roof)

Vinyl asbestos floor tile

Sheet vinyl flooring (“linoleum” - backing layer)

Flooring, carpet, construction, cove base mastics/glues

Roofing mastic/sealant

Siding

Roofing felts

Appendix A - Asbestos Inspection

- Shingles
- Fire door cores
- Cement asbestos board/pipe (“transite”, etc.)
- Cooling towers
- Parapet walls (roof)
- Water heater/furnace vents
- Exterior soffit panels
- Fire-rated ceiling panels
- Penetration packing/fire-stop

POTENTIAL HEALTH EFFECTS OF EXPOSURE

Asbestosis:

- first diagnosed in England, early 1900s
- fibrotic scarring of lung tissue
- restricts lung capacity
- irreversible
- 15- to 20-year latency period
- associated with long-term, high-level exposures

Lung cancer:

- multiplies risk associated with smoking
- (smoking, 10x; asbestos exposure, 5x; smoking and asbestos, 50x)
- 20- to 30-year latency period
- no known relationship to level or duration of exposure

Mesothelioma:

- cancer of pleural lining surrounding lungs (mesothelium)
- almost exclusively associated with asbestos exposure
- fatal, usually within one year of diagnosis
- 30- to 40-year latency period
- no known relationship to level or duration of exposure

Others:

- pleural plaques, usually first bodily response to asbestos exposure
- pleural thickening
- pleural effusion
- cancers of the esophagus, stomach, colon, and pancreas (these conditions sometimes have been linked to asbestos exposure, but medical research on these diseases has not been conclusive)

Appendix A - Asbestos Inspection

Regulatory Timeline

- 1970:** Occupational Safety and Health Act passed, empowering the Occupational Safety and Health Administration (OSHA) to protect employees from work-related health and safety problems.
- 1972:** OSHA publishes “General Industry Standard” for asbestos (29 CFR 1910.1001) which establishes a permissible exposure limit (PEL) of 5.0 fibers per cubic centimeter of air (f/cc) measured as an 8-hour time weighted average (TWA).
- 1973:** EPA bans use of spray-applied asbestos-containing material (ACM) in buildings for insulation or fireproofing.
- 1975:** EPA bans use of molded or wet-applied ACM insulation.
- 1976:** OSHA lowers PEL to 2.0 f/cc measured as a TWA.
- 1978:** EPA bans use of ACM for decorative applications.
- 1982:** “Asbestos in Schools Rule” published. Requires survey of schools for friable ACM.
- 1983:** OSHA lowers PEL to 0.5 f/cc measured as a TWA and then lowers it again to 0.2 f/cc. An “action level” of 0.1 f/cc is implemented.
- 1984:** “National Emissions Standards for Hazardous Air Pollutants” (NESHAP - 40 CFR 61 (m)) published. Requires removal of ACM from building prior to demolition or renovation. Requires 10-day notice prior to asbestos abatement. Requires “wet removal” of ACM. Requires “no visible emissions”. Requires bagging, labeling, and burial of ACM waste at an EPA-approved landfill.
- 1987:** “Asbestos Hazard Emergency Response Act” (AHERA - 40 CFR 763) published. Applies only to schools (grades K through 12). Requires inspection of schools for all ACM. Establishes sampling protocols to be used when surveying schools. Requires schools to develop management plan for addressing ACM. Requires schools to take specific response actions based on condition and types of ACM identified. Requires transmission electron microscopy (TEM) for final clearance samples after abatement actions.
- 1988:** OSHA revises “Construction Industry Standard” and “General Industry Standard” to provide for a “short-term excursion limit” (STEL) of 1.0 f/cc measured over a 30-minute worst-case period.
- 1989:** EPA issues “final” ban of asbestos under Section 6 of the “Toxic Substances Control Act” (TSCA). Imposes a phased ban over a 7-year period.
- 8/27/90 through 8/27/92:** Phases out manufacture and sale of asbestos-containing flooring felt, roofing felt, pipeline wrap, asbestos cement flat sheet, vinyl asbestos floor tile, and asbestos clothing.
- 8/27/93 through 8/27/94:** Phases out manufacture and sale of asbestos-containing gaskets, cloth facings, automatic transmission components, commercial and industrial friction products, and OEM drum brake pads and linings.
- 8/27/96 through 8/27/97:** Phases out manufacture and sale of asbestos cement pipe, asbestos-containing commercial paper, corrugated paper, roll-board, billboard, shingles, specialty paper, roof and non-roof mastics and coatings, brake blocks, and AM drum brake pads and linings.
- 1990:** EPA publishes revisions to NESHAP regulations. Redefines ACM into three classes: Category I non-friable ACM (resilient floor coverings, roofing materials, and gaskets and packings; Category II non-friable ACM (non-friable ACM other than those in Category I); and Regulated asbestos-containing materials (RACM: any friable materials, as well as those materials from Category I that will be subjected to sanding, grinding, cutting, or abrading and materials from Category II which have become friable, or which have a high probability of becoming, or has become crumbled, pulverized, or reduced to a powder by forces expected to act on the material in the course of demolition or renovation operations). Increases requirements for waste disposal. Strictly defines notification procedures.

Appendix A - Asbestos Inspection

Regulatory Timeline

1990: OSHA publishes revisions to “General Industry Standard” and “Construction Industry Standard” including requirements that employees are prohibited from smoking in areas where they are occupationally exposed to asbestos; that employees comprehend warning signs, including the use of foreign languages, pictographs and graphics; and that employees are informed of publicly available smoking cessation programs.

1991: U.S. Court of Appeals for the Fifth Circuit in New Orleans vacated the “final ban” of asbestos use published by the EPA on July 12, 1989, (*Corrosion Proof Fittings v. EPA*, CA 5, No. 89-4596). The court ruled that the “final ban” may still be applied to new uses of asbestos and products not on the market as of July 12, 1989.

1994: OSHA issues revisions to General, Maritime, and Construction Industry Asbestos Exposure Standards. The PEL is lowered to 0.1 f/cc and the previous “action level” is deleted. The revisions also divide asbestos removal activities into four classes, based on the material and scope of removal, and specify minimum controls for each class. OSHA also adopts ACM definition similar to EPA, but PEL still based on previous asbestos definition (no consideration of asbestos content). The revisions require that all thermal system insulation materials, surfacing materials, and resilient flooring installed prior to 1981 be considered as presumed asbestos-containing materials (PACM) and treated accordingly. In order to rebut the designation of installed materials as PACM, OSHA requires an AHERA-style survey or the analysis of a minimum of three samples from each type of the affected materials. The revisions also establish specific notification and record keeping requirements for employees, occupants, maintenance and service personnel, and outside contractors who may come into contact with ACM or PACM in course of their normal activities.

Appendix I - Analytic Results
 Carousel House
 4300 Avenue of the Republic
 Philadelphia, 19131

	PADEP SWHS MSC's											
	Direct Contact	Client Sample ID:	SB-1A	SB-1B	SB-2A	SB-2B	SB-3A	SB-3B	SB-4A	SB-4B	SB-5A	SB-5B
	Residential	Lab Sample ID:	JD40424-1	JD40424-2	JD40424-3	JD40424-4	JD40424-5	JD40424-6	JD40424-7	JD40424-8	JD40424-9	JD40424-10
		Date Sampled:	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022
	0-15 feet	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Units: mg/kg	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals Analysis												
Lead	500		112	109	142	185	54.5	23.9	148	118	32.4	20
	PADEP SWHS MSC's											
	Direct Contact	Client Sample ID:	SB-6A	SB-6B	SB-7A	SB-7B	SB-8A	SB-8B	SB-9A	SB-9B	SB-10A	SB-10B
	Residential	Lab Sample ID:	JD40424-11	JD40424-12	JD40424-13	JD40424-14	JD40424-15	JD40424-16	JD40424-17	JD40424-18	JD40424-19	JD40424-20
		Date Sampled:	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022	2/25/2022
	0-15 feet	Matrix:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Units: mg/kg	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Metals Analysis												
Lead	500		40	84.5	88.6	86	65.4	55.2	64.3	96.8	49.4	57

NOTES:

mg/kg: Miligram per kilogram

Screening Level: Reference - Pennsylvania Department of Environmental Protection (PA DEP) Statewide Health Standard (SWHS), for used aquifers for residential and nonresidential use (Generic Value)

NA: Not applicable

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Verdantas

14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA

14378

SGS Job Number: JD40424

Sampling Date: 02/25/22

Report to:

Verdantas
211 North 13th Street Suite 704
Philadelphia, PA 19107
egladish@verdantas.com

ATTN: Eva Gladish

Total number of pages in report: 31



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read 'Mike Earp'.

Mike Earp
General Manager

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

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Sample Summary

Verdantas

Job No: JD40424

14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA
Project No: 14378

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JD40424-1	02/25/22	11:20 EVA	02/28/22	SO	Soil	SB-1A
JD40424-2	02/25/22	11:25 EVA	02/28/22	SO	Soil	SB-1B
JD40424-3	02/25/22	11:30 EVA	02/28/22	SO	Soil	SB-2A
JD40424-4	02/25/22	11:35 EVA	02/28/22	SO	Soil	SB-2B
JD40424-5	02/25/22	11:40 EVA	02/28/22	SO	Soil	SB-3A
JD40424-6	02/25/22	11:45 EVA	02/28/22	SO	Soil	SB-3B
JD40424-7	02/25/22	11:50 EVA	02/28/22	SO	Soil	SB-4A
JD40424-8	02/25/22	11:55 EVA	02/28/22	SO	Soil	SB-4B
JD40424-9	02/25/22	12:00 EVA	02/28/22	SO	Soil	SB-5A
JD40424-10	02/25/22	12:05 EVA	02/28/22	SO	Soil	SB-5B
JD40424-11	02/25/22	12:15 EVA	02/28/22	SO	Soil	SB-6A
JD40424-12	02/25/22	12:20 EVA	02/28/22	SO	Soil	SB-6B
JD40424-13	02/25/22	12:25 EVA	02/28/22	SO	Soil	SB-7A

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Verdantas

Job No: JD40424

14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA
Project No: 14378

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JD40424-14	02/25/22	12:30	EVA	02/28/22	SO Soil	SB-7B
JD40424-15	02/25/22	12:40	EVA	02/28/22	SO Soil	SB-8A
JD40424-16	02/25/22	12:45	EVA	02/28/22	SO Soil	SB-8B
JD40424-17	02/25/22	12:55	EVA	02/28/22	SO Soil	SB-9A
JD40424-18	02/25/22	13:00	EVA	02/28/22	SO Soil	SB-9B
JD40424-19	02/25/22	13:05	EVA	02/28/22	SO Soil	SB-10A
JD40424-20	02/25/22	13:10	EVA	02/28/22	SO Soil	SB-10B

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Page 1 of 2

Job Number: JD40424

Account: Verdantas

Project: 14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA

Collected: 02/25/22

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD40424-1	SB-1A					
Lead		112	2.7		mg/kg	SW846 6010D
JD40424-2	SB-1B					
Lead		109	2.3		mg/kg	SW846 6010D
JD40424-3	SB-2A					
Lead		142	2.6		mg/kg	SW846 6010D
JD40424-4	SB-2B					
Lead		185	2.4		mg/kg	SW846 6010D
JD40424-5	SB-3A					
Lead		54.5	2.5		mg/kg	SW846 6010D
JD40424-6	SB-3B					
Lead		23.9	2.5		mg/kg	SW846 6010D
JD40424-7	SB-4A					
Lead		148	2.7		mg/kg	SW846 6010D
JD40424-8	SB-4B					
Lead		118	2.4		mg/kg	SW846 6010D
JD40424-9	SB-5A					
Lead		32.4	2.3		mg/kg	SW846 6010D
JD40424-10	SB-5B					
Lead		20.0	2.3		mg/kg	SW846 6010D
JD40424-11	SB-6A					
Lead		40.0	2.5		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD40424

Account: Verdantas

Project: 14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA

Collected: 02/25/22

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD40424-12	SB-6B					
Lead		84.5	2.5		mg/kg	SW846 6010D
JD40424-13	SB-7A					
Lead		88.6	2.5		mg/kg	SW846 6010D
JD40424-14	SB-7B					
Lead		86.0	2.5		mg/kg	SW846 6010D
JD40424-15	SB-8A					
Lead		65.4	3.3		mg/kg	SW846 6010D
JD40424-16	SB-8B					
Lead		55.2	2.9		mg/kg	SW846 6010D
JD40424-17	SB-9A					
Lead		64.3	2.6		mg/kg	SW846 6010D
JD40424-18	SB-9B					
Lead		96.8	2.5		mg/kg	SW846 6010D
JD40424-19	SB-10A					
Lead		49.4	2.4		mg/kg	SW846 6010D
JD40424-20	SB-10B					
Lead		57.0	2.3		mg/kg	SW846 6010D

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SB-1A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-1	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	76.2
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	112	2.7	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-1B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-2	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	81.6
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	109	2.3	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-2A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-3	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	78.1
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	142	2.6	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-2B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-4	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	79.1
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	185	2.4	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-3A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-5	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	78.0
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	54.5	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-3B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-6	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	83.1
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	23.9	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-7	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	76.2
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	148	2.7	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-4B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-8	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	82.9
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	118	2.4	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-5A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-9	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	86.8
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	32.4	2.3	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-5B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-10	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	89.2
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	20.0	2.3	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-11	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	82.4
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	40.0	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-6B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-12	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	81.0
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	84.5	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-13	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	79.4
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	88.6	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-7B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-14	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	81.5
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	86.0	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-15	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	63.0
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	65.4	3.3	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-8B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-16	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	71.6
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	55.2	2.9	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-17	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	79.9
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	64.3	2.6	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-9B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-18	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	78.5
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	96.8	2.5	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10A	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-19	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	83.6
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	49.4	2.4	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-10B	Date Sampled:	02/25/22
Lab Sample ID:	JD40424-20	Date Received:	02/28/22
Matrix:	SO - Soil	Percent Solids:	82.8
Project:	14378, Carousel House, 4300 Avenue of the Republic, Philadelphia, PA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	57.0	2.3	mg/kg	1	03/02/22	03/02/22 ND	SW846 6010D ¹	SW846 3050B ²

(1) Instrument QC Batch: MA51985
(2) Prep QC Batch: MP31542

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



SO

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 2

EHSQA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #		Bottle Order Control #	
SGS Quote #		SGS Job #	
JD40424		JD40424	
Client / Reporting Information		Project Information	
Company Name: <u>Verilum, LLC</u>		Project Name: <u>Carroll house</u>	
Street Address: <u>211 N 13th Street</u>		Street: <u>4300 Ave. of Republic</u>	
City: <u>Philadelphia, PA</u>		City: <u>Philadelphia</u>	
State: <u>PA</u>		State: <u>PA</u>	
Zip: <u>19107</u>		Zip: <u>19107</u>	
Project Contact: <u>Eva Glushko</u>		Project # <u>14378</u>	
Phone # <u>215 983 6064</u>		Client Purchase Order #	
Sampler(s) Name(s): <u>Eva</u>		Project Manager	
Attention:		City	
State		Zip	
Collection		Number of preserved Bottles	
Field ID / Point of Collection		MECH/DI Vial #	
Date		Time	
Sampled by		One (1) (one) (1)	
Source		Matrix	
# of bottles		KCI	
NaOH		HNO3	
H2SO4		HCl	
DI Water		MECH	
ENCORE		LAB USE ONLY	
pH Check (Lab Use Only)		LAB USE ONLY	
DW - Drinking Water		DW - Drinking Water	
GW - Ground Water		GW - Ground Water	
WW - Water		WW - Water	
SW - Surface Water		SW - Surface Water	
SO - Soil		SO - Soil	
SL - Sludge		SL - Sludge	
SED - Sediment		SED - Sediment	
OI - Oil		OI - Oil	
LIQ - Other Liquid		LIQ - Other Liquid	
AIR - Air		AIR - Air	
SOL - Other Solid		SOL - Other Solid	
WP - Wipe		WP - Wipe	
FB - Field Blank		FB - Field Blank	
EB - Equipment Blank		EB - Equipment Blank	
RB - Rinse Blank		RB - Rinse Blank	
TB - Trip Blank		TB - Trip Blank	
Turn Around Time (Business Days)		Deliverable	
Comments / Special Instructions		Comments / Special Instructions	
Initial Assessment <u>AR3B</u>		Initial Assessment <u>AR3B</u>	
Label Verification		Label Verification	
http://www.sgs.com/en/terms-and-conditions		http://www.sgs.com/en/terms-and-conditions	
Sample Chain of Custody must be documented below each time samples change possession, including courier delivery.		Sample Chain of Custody must be documented below each time samples change possession, including courier delivery.	
Relinquished by: <u>Eva Glushko</u>		Relinquished by: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Received By: <u>John</u>		Received By: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Relinquished by: <u>John</u>		Relinquished by: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Received By: <u>John</u>		Received By: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Relinquished by: <u>John</u>		Relinquished by: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Received By: <u>John</u>		Received By: <u>John</u>	
Date / Time: <u>2/28/22</u>		Date / Time: <u>2/28/22</u>	
Custody Seal #		Custody Seal #	
Intact		Intact	
Not intact		Not intact	
Absent		Absent	
Therm ID: <u>2.8</u>		Therm ID: <u>2.8</u>	
On ice		On ice	
Cooler Temp. °C		Cooler Temp. °C	

JD40424: Chain of Custody

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CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

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EHSA-QAC-0023-04-FORM-Standard COC

Client / Reporting Information				Project Information				Requested Analysis												Matrix Codes			
Company Name: Verdeant LLC				Project Name: Carroll House				1109 240L												JD40424			
Street Address: 211 H 13th Street				Street: 204 43rd Ave																			
City/State/Zip: Philadelphia PA 19107				City/State/Zip: Philadelphia PA 19107																			
Project Contact: Eva Glushko				Project # 14378																			
Phone # 215 9836064				Client Purchase Order #				pH Check (Lab Use Only)												LAB USE ONLY			
Sample(s) Name(s): EV1				Project Manager																			
Collection				Number of preserved Bottles																			
SSS Sample #	Field ID / Point of Collection	MEQ/HD/Vial #	Date	Time	Sampled by	Grab (G) / Comp (C)	Source Characterized (Y/N)	Matrix	# of bottles	HCl	NaOH	HN03	H2SO4	NO3-	DI Water	MEQ	ENCORE						
13	SB-7A		2/25/22	12:25	EV1	G	N	SO	1					X				X					
14	SB-7B			12:30														X					
15	SB-8A			12:40														X					
16	SB-8B			12:45														X					
17	SB-8A SB-9A			12:55														X					
18	SB-8B SB-9B			13:00														X					
19	SB-10A			13:05														X					
20	SB-10B			13:10														X					
Turn Around Time (Business Days)				Deliverable				Comments / Special Instructions															
☐ 10 Business Days ☐ 5 Business Days ☐ 3 Business Days ☐ 2 Business Days ☐ 1 Business Day ☐ Other				Approved By (SGS PM): / Date: _____				☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ NJ Reduced (Level 3) ☐ Full Tier I (Level 4) ☐ Commercial "C" ☐ NJ DKQP				☐ NYASP Category A ☐ NYASP Category B ☐ MA MCP Criteria ☐ CT RCP Criteria ☐ State Forms ☐ EDO Format				☐ DOD-QSMS							
All data available via Lablink				* Approval needed for 1-3 Business Day TAT				Commercial "A" = Results only; Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data				http://www.sgs.com/en/terms-and-conditions											
Relinquished by: Eva Glushko				Date / Time: 2/28/22				Received By: [Signature]				Relinquished by: [Signature]				Date / Time: 2/28/22				Received By: [Signature]			
Relinquished by: 3				Date / Time:				Received By: 3				Relinquished by: 4				Date / Time:				Received By: 4			
Relinquished by: 5				Date / Time:				Received By: 5				Custody Seal #				☐ Intact ☐ Not Intact				Therm ID: CIP 2.8 On ice ☐ Cooler Temp. °C			

JD40424: Chain of Custody

Page 2 of 3



SGS Sample Receipt Summary

Job Number: JD40424

Client: VERDANTAS

Project: 14378 CAROUSEL HOUSE, PA

Date / Time Received: 2/28/2022 5:37:00 PM

Delivery Method:

Airbill #s:

Cooler Temps (Raw Measured) °C: Cooler 1: (2.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.2);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☐ | ☐ | ☒ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD40424: Chain of Custody

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APPENDIX J

QUALIFICATIONS

Jennifer L. Gresh, P.G.

Senior Environmental Project Manager/ Environmental Professional

Professional Registration: Professional Geologist – Pennsylvania, Delaware

Education M.S., Geology, University of Delaware, 2002
B.S., Geology, Temple University, 1998

Training/Registrations 40 Hour OSHA Hazardous Materials Operations
City of Philadelphia Asbestos Investigator
Delaware Asbestos Project Monitor
Confined Spaces Permit
EPA AHERA Building Inspector
EPA AHERA Supervisor

Military Experience U.S. Air Force, 1989 – 1994, Honorable Discharge

Background/Skills

Ms. Gresh has over 20 years of experience assessing environmental impact to land, air, and water. Typically impacts are identified during due diligence efforts for land acquisition or in response to regulatory requirements. In her capacity as the Philadelphia Services Leader and as a Senior Environmental Project Manager, Ms. Gresh oversees Phase I and II Environmental Site Assessments, remedial investigation/feasibility studies, Brownfield Investigations, remedial design, health and safety plans, operation and maintenance plans, spill prevention and countermeasure control plans, stormwater plans, aboveground and underground storage tank removals and assessments, and environmental remediation/cleanup projects. Ms. Gresh also has oversight responsibility for asbestos removal, specifications and design. Field experience includes drilling, test pitting and soil boring, soil/sediment sampling and groundwater sampling. Additional experience includes field and subsurface mapping, Ground Penetration Radar, seismic refraction/reflection surveying, Gamma logging, and modeling analytic data.

Selected Project Experience

Contract and Project Manager – Philadelphia Department of Public Property – On-Call Environmental Engineering Services, Philadelphia, PA

Duffield provided environmental consulting services to the Capital Projects Division of the Department of Public Property on an “as needed” basis. Ms. Gresh managed over 100 Work Orders under this contract. Projects have included a variety of services relating to tank compliance testing and reporting, hazardous materials surveys, asbestos, lead, and mold-related services, Phase I/II ESAs, Brownfield-funded assessments, soil contaminant investigations, and Title V consulting services.

Contract and Project Manager - EPA Revolving Loan Fund, Philadelphia, PA

The Philadelphia Authority for Industrial Development (“PAID”) received funding from the USEPA to establish a new revolving loan fund RLF (Revolving Loan Fund) for brownfield remediation in Philadelphia. In support of PAID’s administration of the program Ms. Gresh developed the application document templates, assisted with the development and implementation of a marketing program to solicit applications, assisted PIDC with the development of an applicant ranking system, reviewed applicant eligibility based on the requirements of the EPA and PADEP, and provided oversight of awardees, including review of progress reports.

Contract Manager – Philadelphia Redevelopment Authority – Brownfield Assessments, Philadelphia, PA

The Philadelphia Redevelopment Authority, in partnership with the Mayor’s Office of Sustainability, Philadelphia Parks and Recreation’s FarmPhilly Program, and the Philadelphia Water Department (“the Brownfields Working Group”) was selected to conduct Phase I Environmental Site Assessments (ESAs) of various City-owned properties intended for, or currently used as, community gardens/urban agriculture and/or green stormwater infrastructure. This contract was awarded in the Summer of 2016 and is currently underway.

Contract and Project Manager - Betsy Ross Bridge Improvements, Philadelphia, PA

The Betsy Ross Improvement project required preparation of planning documents for health and safety and soil and groundwater management. Ms. Gresh prepared the documents and managed on-call environmental sampling and analytical services. These services required on-site coordination of environmental concerns, expedited analyses, and daily communication with our client and PADOT.

Senior Consultant - Philadelphia Water Department, Philadelphia, PA.

Duffield Associates provides PWD with consulting services on a variety of projects, including providing opinions of environmental reports submitted as part of the stormwater review process, and performing an evaluation of infiltration criteria. Ms. Gresh in support of this contract, prepared a standard testing protocol for the Philadelphia Water Department for stormwater retrofit project that establishes a benchmark for the requirement for environmental testing and sampling frequency and method protocols that conform to regulatory standards.

Project Manager – Transmontaigne/58th Street Remediation Project, Philadelphia, PA

Ms. Gresh is the manager for the PIDC pilot project under an EPA Brownfield Cleanup Grant and PADEP ISRP Grant. The 26-acre site, a former oil terminal along the Schuylkill River, was underlain with a plume of free-phase petroleum covering approximately 5 acres. Ms. Gresh provided regulatory reporting to both the EPA (Region III Brownfield Coordinator) and PADEP (Southeast Regional Office) Land Recycling Program, regulatory and historic document review, supplemental site assessment, assisted with grant writing, participated in public meetings, reviewed bid specifications and responses, prepared a NPDES permit application for remedial activities, and reviewed remedial activities and contractor request for payment applications as Owner's Representative. Remedial work concluded February 2013. A Final Report for Groundwater was approved by PADEP, providing the owner with Act 2 liability protection for groundwater conditions at this site.

Project Manager - Bartram's Mile, Philadelphia, PA

Philadelphia Parks and Recreation engaged Duffield Associates to assist with remedial planning and design to support construction of Bartram's Mile, which is one mile of currently vacant river frontage along the western banks of the Schuylkill River between Grays Ferry Avenue and 58th Street. Ms. Gresh, as the Project Manager has participated in public meetings and performed Act 2 public notifications, Act 2 site characterization work plans, prepared Act 2 remedial investigation report/risk assessment report and cleanup plan(s), coordinated wetland delineation/permitting/design, provided engineer's opinion of construction costs and stormwater management design solutions.

Project Manager - Brandywine Fibre and Wholesale Electronics (BFWE), Wilmington, DE

Previous uses of the BFWE site included a tannery, a match factory, a fuel blending facility, and a manufacturer of vulcanized fibers. Duffield Associates was engaged by Bank of America to conduct site assessment, remedial planning and design, and oversight under Delaware's Brownfield Program. Bank of America desired unrestricted residential use of the site. To achieve the remedial goals, historical fill materials containing elevated concentrations of metals, polynuclear aromatic hydrocarbons (PAHs), and petroleum were excavated and disposed of offsite. Transportation and disposal of approximately 22,047 tons of non-hazardous materials, 9,784 tons of hazardous materials, and 279 drums of non-hazardous materials were transported and disposed of offsite at the conclusion of remedial activities. For this project, Ms. Gresh also prepared remedial cost estimates, conducted public meetings, prepared bid specifications and conducted regulatory agency coordination. In summary, the remedial action satisfied the objectives of the approved remedial plan, and the soils at the property meet the regulatory standard for residential use.

Project Manager- Wilmington Hospital Expansion Soil Management, Wilmington, DE

During geotechnical evaluations to support the expansion of Wilmington Hospital, petroleum impacted soils were observed. Ms. Gresh designed and oversaw a sampling and analysis program of the area of impact that enabled the preparation of a soil management plan to support site redevelopment. The soil management plan was approved by DNREC's Tank Management Branch and site work was permitted to occur. To date, approximately 11,000 tons of environmentally impacted soils have been removed from the site in accordance with regulatory guidelines. Ms. Gresh also provided support for other environmental issues encountered during construction, to include excavation dewatering permits. The excavation dewatering program provides for pretreatment of water for petroleum compounds prior to discharge. Thus far, approximately 607,000 gallons of water has undergone pre-treatment in advance of discharge to the public wastewater system. This project has received regulatory closure.

Project Manager – Christiana Care Health System Spill Response and AST Audit, Newark, Delaware

Approximately 1,500 gallons of No. 2 fuel oil was released to an on-site storm water management basin. Ms. Gresh monitored cleanup activities, provided liaison services to DNREC for the facility owner, and prepared a site closure report to the satisfaction of DNREC. In response to the release, DNREC conducted an audit of the management of the facility's ASTs. In response to this audit, Ms. Gresh assisted the facility with achieving compliance, which included, but not limited to, tank inspections, training, and preparation of an integrated Spill Prevention and Countermeasure Control (SPCC) Plan and Release Preparedness Plan.

Project Manager- Asbestos Abatement, MV New Jersey and MV Delaware, Delaware River and Bay Authority

Due to the potential for damage to asbestos-containing pipe insulation on engine, generator, and boiler lines, the Delaware River and Bay Authority required delineation and removal of asbestos-containing insulating materials. This project was time-sensitive as the vessel is part of the Cape May-Lewes Ferry. Ms. Gresh oversaw sampling and analysis of insulating materials, assisted with specifications for the abatement, reviewed bid responses and provided oversight during the abatement. This project completed on time and did not adversely affect the ferry schedule.

Project Manager- Penn Terminals, NPDES Consulting Services, Eddystone, PA

Ms. Gresh prepared a stormwater management plan (SMP) for Penn Terminals, a multi-purpose marine terminal located in Eddystone, Pennsylvania, and situated on the Delaware River. The SMP was prepared to comply with Pennsylvania's planning and reporting requirements under the National Pollutant Discharge Elimination System (NPDES), General Permit for Discharges of Stormwater Associated with Industrial Activities (General Permit). The SMP was approved by the regulatory agency, and Ms. Gresh has conducted follow-up inspections to support the facilities' permit compliance reporting.

Project Manager- Soil Assessments for PADEP Management of Fill, Philadelphia, PA

Ms. Gresh has managed numerous projects related to the management of fill during site development. Ms. Gresh has developed sampling plans based on PADEP Bureau of Waste Managements' Management of Fill policy and provided consulting services for soil disposal.

Eva Gladish, P.G.

Project Geologist

Professional Registration	Professional Geologist – Pennsylvania
Education/Training	B.S., Geology, Temple University, 2009
Certifications	OSHA 40-Hour HAZWOPER MSHA surface and underground, metal-non metal OSHA 10-Hour Construction Safety First Aid, CPR/AED

Background

Ms. Gladish performs environmental, geotechnical and geophysical assessments and develops conceptual site models to understand the fate and transport of materials. She provides support for filed activities including planning and implementing field events such as well installations, groundwater and soil sampling. Her environmental field work includes; site environmental reconnaissance, well installations, soil and groundwater sampling, universal waste surveys, NAPL characterization and vapor sampling. Her geotechnical field work includes field activities related to landslides, construction and environmental impact mitigations. Ms. Gladish also performs down-hole geophysics to assess rock properties and groundwater flow. In the office, Ms. Gladish prepares reports, figures, compiles data and creates subsurface models using ArcGIS and RockWorks programs.

Selected Project Experience

Environmental Assessment – Field Geologist – Pre-design Investigation Hydro-Barrier Wall construction

Oversee exploration borings and log soils and bedrock. Geotechnical assessments of underground conditions were performed using standard penetration tests. Visual assessments of impacted soils to determine the extent of NAPL plume on site and surrounding areas. Dye tests on soils were taken to confirm if soils were impacted by NAPL. On-site activities also included documenting and logging soils and complying with on-site regulations for work conducted on an active chemical manufacturing facility.

Environmental Assessment –Field Geologist – Superfund Site, Bioremediation Remedy

Installed bedrock monitoring wells and injection wells using air rotary and HQ diamond core drilling. The wells were installed using the same EPA approved design for nzvi bioremediation remedy. Work included logging soils according to modified USCS classifications, identify and describe rock formations, scan soils and rock with photoionization detector, determine depth of competent rock and install casing 5 feet into competent rock. A modified aquifer test was performed while developing wells by measuring adjacent monitoring wells for drawdown to assess the efficiency of the aquifer for the fate and transport of the remedy.

Environmental Assessment – Field Geologist – Superfund Site, Former Pharmaceutical Manufacturing

Visually determined depth of target clay formation for installation of Insitu-Thermo-Remediation equipment for NAPL recovery. Implemented quality control and quality assurance techniques to assure the proper placement of equipment at depth. Authored daily reports for internal review.

Universal Waste Sampling – Field Assessment – Power Plant Decommissioning

Identified and provided quantities of universal waste such as Hg, PCB's, halogens present in lights, metals present in paints and batteries, petrochemicals and asbestos for entire power plant and surrounding structures. Identified and sampled possible asbestos containing materials using a variety of methods. Organized and presented quantified data for team members and report.

Geophysics – Field Operator – Multiple Sites

Lead deployment of downhole geophysical probes including Caliper, Gamma/resistivity, Optical televiewer, Acoustic televiewer, and heat pulse flow meter using Logger® and MatrixHeat® programs. Reduce the data using WellCad software.

Geotechnical Assessment – Subject Matter Expert on site – Subsurface Natural Gas Pipeline

Assess surface conditions to identify potential geohazards that could be indicative of landslide movement including tension cracks, scarps, bulges or hummocky ground; as well as signs of pooling water, poor drainage and/or water seeps that could impact the stability of gas pipeline ROW. Observe anomaly digs to assess if landslide movement caused the anomaly at the dig location. Prepare daily reports and hazard assessments. Work with teams to schedule ongoing work at multiple sites throughout PA, NJ and MS.

Geotechnical Assessment – Field geologist – Mine Expansion Exploration

Geotechnical core logging and rock identification for mine expansion using HQ diamond core drilling. Provide geological descriptions of the rock, identify rock type and formation and describe rocks, log fractures and features, quantify fractures using JCR, Ja, Jr, strength index, weathering index and recovery in a digital format. Identify and quantify ore within the ore bearing formations. Classify and field identify metallic minerals using field properties and hand-lens to assess crystal habits. Photograph core and perform point load tests. Describe types and abundance of lead mineralization as well as oversee nightshift drilling responsibilities. Groundwater sample wells during installation using high capacity pump in transmissive zones while drilling. While purging wells, measure drawdown and field parameters to assess groundwater capacity. Groundwater capacity was also measured with packers to assess dewatering issues with mine expansion.