

Phase I Environmental Site Assessment

**1206 & 1208 Bowling Street
Columbia, MO**

January 2020

Prepared For:

City of Columbia – Public Works
701 E. Broadway
Columbia, Missouri 65201



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ES – EXECUTIVE SUMMARY

Note: MEC has prepared this executive summary solely to provide a general overview. **Do not rely on this executive summary** for any purpose except that for which it was prepared. **Rely ONLY on the full report** for information about findings, opinions, recommendations and other concerns.

ES.1 Findings

Section 4.1 Hazardous Waste Cleanup Program Sites. Five sites were identified within the search distance which is one mile.

Section 4.1 State LST lists. Ten LST sites were identified within ASTM 0.5-mile search distance from the Property.

Section 4.1 State registered UST/AST lists. One UST site was identified and no AST sites were identified in the specified search distance.

Section 4.1 VCP sites. One VCP sites were identified within the ASTM 0.5-mile search radius from the Property.

Section 4.2 Dry Cleaners. One drycleaners site was identified in the record search.

Section 4.2 Other Ascertainable Records. EDR identified one PCB site on the Radius Map. The site was identified as the Water and Light Department.

Section 5.6.3 Pits, Ponds, and Lagoons.

The floor drain in the open portion of the building contained unknown liquids with a slight petroleum sheen and the source of these liquids is unknown.

ES.2 Opinion

Section 4.1 Hazardous Waste Cleanup Program Sites.

- The Columbia Parking Lot site is an adjoining property. The site was listed due to the allegations that transformers and capacitors that may have contained PCBs were said to be buried on site during the late 1970's. The buried material was said to be buried in an area that is now a storage yard. Soil samples were taken and showed low levels of PCBs were below benchmarks. No further investigation or action was recommended by CERCLA and no cleanup activities were required. Due to the recommendation of no further action, the site should not pose a risk to the Property.
- The Butternut Bread/Schilby's Tire and Wheels site was reported to have an underground tank used to store gasoline for delivery vehicles and was located on the western portion of the property. The tank was reported to be removed in 1986. The eastern portion of the site was used by an automobile repair shop with an above ground tank use for waste oil storage. A Phase I ESA was done on the site as well as some on site screening that identified suspected petroleum contamination in the vicinity of the former underground tank. Even though contamination was found, the site is far enough away that it should not pose a risk to the Property.

- The Columbia Coal Gas: Columbia Coal Gas – East Parcel site was investigated to determine the impacts of manufactured gas plant related materials that were located on site when the site was used as a gas plant. The site was the location of two gas holders of a former gas plant that operated from 1875 to 1932. The site was enrolled in the VCP program in 2006. During the investigation, over 31,000 tons of contaminated soil was excavated. Soil samples collected met non-residential target levels except for small areas of the site. Groundwater samples showed low levels of contaminants in shallow groundwater but were determined to not pose a risk as long as the water is not used. The site has an Environmental Covenant placed on the site limiting its use. The site should not pose a risk to the Property due to the distance from the Property.
- The Columbia Coal Gas site is the same site listed above. The site should not pose a risk to the Property due to the distance from the Property.
- The Watkins Roofing (Former) site was listed due to the site having two underground tanks and roofing tar waste. The site has been used by a roofing company since the 1940s. The tanks were reported to have been used to contain kerosene and gasoline. The tanks were removed in 1996 but no sampling was done at that time. A phase II was done on the site in 2005 and soil samples were taken that showed petroleum byproducts were in surface soil. Roofing tar waste piles were identified throughout the site. The site has applied to enter the VCP program. A Missouri Risk-Based Corrective Action evaluation was completed and found that contamination in the soil was below acceptable levels and no further action is necessary. A certificate of completion was issued in 2006. Due to the site having a certificate of completion, and the distance from the Property, the site should not pose a risk.

Section 4.1 State LST lists.

- The Power Plant site was identified as having diesel contamination present near the former tank pit. No excavation of contaminated soil was done due to limited access to the area due to utilities in the area. A 1999 MDNR letter says no additional investigation or remedial action is needed, but the letter is not a guarantee of the quality of the remedial action done on the site. Even though it appears that the site has remaining contamination, the site is far enough away that it should not pose a risk to the Property.
- The Heuchan Building is on the adjoining property. The tank was reported to have been closed in approximately 1994. The tank closure took place before RBCA was implemented in 2004. Documentation was found that says that MDNR finds that no additional investigation is warranted and the incident is considered closed. The site should not pose a risk to the Property.
- The Bowling Residence site is far enough away that it should not pose a risk to the Property.
- The CFM IV site is far enough away that it should not pose a risk to the Property.
- The C Mart #9514 site is far enough away that it should not pose a risk to the Property.
- The Break Time #3155 (U-Pump) site is far enough away that it should not pose a risk to the Property.
- The Knipp Construction site is far enough away that it should not pose a risk to the Property.
- The MPC 3 site is far enough away that it should not pose a risk to the Property.
- The Henderson Oil Key Stop site is far enough away to not pose a risk to the Property.

Section 4.1 State registered UST/AST lists. The J.D. Liquors site at 1600 Business 70 East is a northern adjoining property. The tanks were reported to be closed by removal from the site but the work was done prior to the adoption of current 2004 cleanup standards. No other information was given as to any contamination found during tank removal. The site is upgradient of the Property. The tanks on the J.D. Liquors site were closed by removal using an acceptable method at the time and the site should not pose a risk to the Property.

Section 4.1 VCP sites. The Butternut Bread/Schilby's Tire and Wheels site is the same site listed as a HWCP site. Even though contamination was found, the site is far enough away that it should not pose a risk to the Property.

Section 4.2 Dry Cleaners. The site is far enough away that it should not pose a risk to the Property.

Section 4.2 Other Ascertainable Records. The site identified as a PCB site is reported as being the adjoining property which could pose a risk to the property if there was ever a release.

Section 5.6.3 Pits, Ponds, and Lagoons.

The floor drain in the southern portion of the building contained an unknown liquid with slight petroleum sheen. The source of the liquids with a petroleum sheen is unknown. The presence of this liquid in the floor drain meets the definition of a REC since it could pose a risk of petroleum contamination.

ES.3 Conclusions

This Phase I Environmental Site Assessment has been performed in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Property located at 1206 and 1208 Bowling Street, Jefferson City, Boone County Missouri, Section 7, Township 48 North, Range 12 West. Any exceptions to, or deletions from this practice are described in Section 10 of this report. This assessment did not reveal evidence of ASTM Practice E 1527-13 recognized environmental conditions in connection with the Property.

- Section 5.6.3 Pits, Ponds, and Lagoons The floor drain in the southern portion of the building contained an unknown liquid with a slight petroleum sheen. The presence of this liquid in the floor drain meets the definition of a REC since it could pose a risk of petroleum contamination.

1.0 INTRODUCTION

1.1 Purpose

The ASTM E 1527-13 "Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process" was used as guidance for the site assessment of the property. The purpose of this Phase I environmental assessment was to determine if there are any *recognized environmental conditions* on the property. A *recognized environmental condition*, as defined by ASTM E 1527-13, is "the presence or likely presence of any hazardous substance or petroleum products in, on, or at a property: (1) due to any 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."

1.2 Detailed Scope of Services

The detailed scope of services for this Phase I ESA includes five components: records review; site reconnaissance; interviews with present or past owners, operators or occupants of the property and local officials; regulatory file review, and evaluation and reporting of findings. Neither vapor intrusion determination or physical sampling or testing of materials (e.g., soil, water, air, building materials) is included in the scope of services.

A representative of Midwest Environmental Consultants (MEC) conducted a site visit January 22 2020. The site was observed by foot to verify existing conditions. A search of federal and state agencies records was conducted on January 20, 2020, to meet the specific search requirements of ASTM E 1527-13. People with first-hand knowledge of the site were interviewed to determine current and past uses of the properties.

1.3 Significant Assumptions

There were no significant assumptions made with regard to the performance of the Phase I ESA.

1.4 Limitation of Assessment

The Phase I ESA is not a comprehensive site characterization. The scope of a Phase I ESA is limited to those matters in ASTM E 1527-13 described above. For the limited purposes of the Phase I ESA, MEC reviewed certain federal, state and local records, conducted interviews and visually observed the subject property; however, MEC is not responsible for the accuracy of those records and information. Thus, while MEC's conclusions contained in this report are given in good faith and to the best of MEC's ability, MEC makes no warranty or guarantee of the work product, expressed or implied, and accepts no legal responsibility for the client's use of this report.

The ESA included observation of adjacent properties to the extent practicable since permission was not granted to be upon these properties. The review of the Property was limited to federal, state, and local record searches, interviews, and visual observations.

1.5 Special Terms and Conditions

There are no special terms and conditions associated with this ESA.

1.6 User Reliance

Reliance on this Phase I ESA by any other party other than The City of Columbia is forbidden without the express written permission of MEC. The effective date of the ESA is January 22, 2020, the date of the site visit. According to ASTM E 1527-13 "Standard Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process, 4. Significance and Use, 4.6

Continued Viability of Environmental Site Assessment" the report is valid for 180 days if the transaction or acquisition occurs within that time period, starting with the effective date of the report. If the transaction or acquisition occurs between 180 days and 1 year of the effective date of the report it must be updated in accordance with Section 4.6 of the ASTM standard.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The subject property being assessed (hereinafter referred to as "the Property") is located at 1206 and 1208 Bowling Street in Columbia, Missouri. The Property includes approximately 0.54 acres according to the Boone County Assessor's Office and is currently owned by Bamda Properties LLC. The Property is generally located in Section 7, Township 48 North, Range 12 West, Boone County, Missouri.

A site map depicting the location of the Property is included as Figure 1 (**Appendix 1**). Figure 1 is a portion of the Columbia Quadrangle adapted from the United States Geologic Survey (USGS) topographic map (7.5-minute series).

2.2 Site and Vicinity General Characteristics

The Property elevation is generally 759 feet above mean sea level, with a slope to the west-northwest according to the ERIS Physical Setting Report and based on visual observation of the Property. Land use surrounding the project site is generally described as commercial and industrial.

Local physical setting information was provided in the ERIS Physical Setting Report™, which is included as **Appendix 2**. Local physical setting data include geologic and soil composition information in the general area of the Property.

Carboniferous Pennsylvanian-Middle age rock apparently forms the uppermost bedrock unit beneath the site. Soil component for this area of Columbia is urban land-Harvester complex, which is described as soils not particularly native to the area and may include surface removal, land filling, and possible sedimentation.

2.3 Current Use of the Property

The Property is currently divided into three units. The two larger units are currently vacant and the smaller, third, unit is currently used as a machining shop

2.4 Description of Structures, Roads or Other Improvements on the Site

The Property consists of a building and paved driveways/parking areas.

The following utilities are provided to the Property:

- Columbia Water and Light supplies electricity
- Columbia Water and Light supplies water
- The City of Columbia provides wastewater collection and treatment
- Ameren UE supplies natural gas to the Property

2.5 Current Uses of the Adjoining Properties

Adjoining properties are defined in ASTM E 1527-13 as, “any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.” Current uses of adjoining properties are discussed below. More detailed historical research for adjoining properties is included in Section 4.

North Adjoining Property

A building used for storage adjoins the property to the north.

South Adjoining Property

City of Columbia owned property adjoins the Property to the south.

East Adjoining Property

Cliff Montgomery Welding Shop adjoins the Property to the east.

West Adjoining Property

City of Columbia owned property adjoins the Property to the west.

3.0 USER PROVIDED INFORMATION

The following information was provided by the ESA User, which may be the owner, prospective buyer, lender, tenant, or manager of the Property. Mr. Ryan Williams, Assistant Utilities Director, was interviewed on January 27, 2020. The interview is included in **Appendix 3**.

3.1 Title Records

Title records were not provided by the user.

3.2 Environmental Liens or Activity and Use Limitations

According to Mr. Williams, there are no environmental liens with respect to the Property to his knowledge.

3.3 Specialized Knowledge

Mr. Williams has no specialized knowledge or experience related to the Property.

3.4 Commonly Known or Reasonably Ascertainable Information

Mr. Williams has commonly known or reasonably ascertainable information related to the Property in the form of knowing the past use of the Property.

3.5 Valuation Reduction for Environmental Issues

Mr. Williams mentioned that the purchased price was based on appraisal value and the Property has no known contamination.

3.6 Owner, Property Manager, and Occupant Information

The Property is currently owned by Bamda Properties LLC.

3.7 Reason for Performing Phase I

The User is performing the ESA for performing due diligence before potentially purchasing the Property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

The standard ASTM E 1527-13 file search of federal and state records was conducted. MEC subcontracted with Environmental Risk Information Services (ERIS) to perform the file search. The list search information including details and a map showing identified sites are included in ERIS Database Report™ **Appendix 2**. This Records Review section just summarizes if any sites were identified within the search radius. More details of identified sites are presented in Sections 8.0 and 9.0.

The federal ASTM record search addresses the following records and/or lists:

National Priorities List (NPL). The NPL identifies sites for priority cleanup under the Superfund Program. No sites were identified within the ASTM 1.0-mile search radius from the Property.

Deleted National Priorities (DNPL). The DNPL identifies sites that have been deleted from the NPL where no further response is appropriate. No sites were identified within the ASTM 0.5-mile search radius from the Property.

SEMS. The SEMS list (Superfund Enterprise Management system), which is formerly referred to as CERCLIS, and contains data on potentially hazardous waste sites reported to the United States Environmental Protection Agency (USEPA). No sites were identified within the search distance.

SEMS-ARCHIVE. The SEMS-ARCHIVE list (Superfund Enterprise Management system), formerly the NFRAP list, which provides information on potentially hazardous waste sites that have been archived and removed from the EPA's CERCLIS database. No sites were identified within the search distance.

RCRA TSD CORRACTS and non-CORRACTS Lists. The RCRA TSD CORRACTS and TSD non-CORRACTS lists contain information on sites that treat, store, or dispose of hazardous wastes. Those RCRA sites, which are undergoing corrective actions, are listed on the CORRACTS list. No CORRACTS sites were identified within the ASTM 1.0-mile search radius from the Property and no non-CORRACTS sites were identified within the ASTM 0.5-mile search radius from the Property.

RCRA Generators List. The RCRA Generator list contains information on sites that generate either small or large quantities of hazardous waste. No sites were identified as RCRA generators that were within the search distance, which is the Property and the adjoining properties.

One RCRA non-generator site was identified in the unplotable summary; however, the site was reviewed and was not within the specified search distance.

Emergency Response Notification System (ERNS). The ERNS list provides information on sites where releases of hazardous substances or oil products have occurred. The search distance is the Property, and it was not listed.

The state ASTM record search addresses the following records and/or lists:

State lists of hazardous waste sites identified for investigation or remediation (SHWS). The Missouri Department of Natural Resources (MDNR) Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites contains information on hazardous waste sites in Missouri. No sites were identified within the specified ASTM 1.0-mile search distance radius from the Property.

Hazardous Waste Cleanup Program Sites. Missouri's Department of Natural Resources (MDNR) manages a Hazardous Waste Program Cleanup Sites list that includes sites that were remediated or investigated under the oversight of the Hazardous Waste Program. These include Superfund, Federal Facilities, Resource Conservation and Recovery Act (RCRA) Corrective Action, and Brownfields/Voluntary Cleanup Program sites that fall under the following four categories: Active Sites, Long Term Stewardship Sites, Environmental Notice Sites and Completed Sites. Five sites were identified within the search distance which is one mile.

State landfill and/or solid waste disposal site lists. The list identifies landfills that are active or inactive. No sites were identified within the ASTM 0.5-mile search radius from the Property.

State LST lists. The LST list identifies underground and aboveground storage tank sites where the tanks have leaked. Ten LST sites were identified within ASTM 0.5-mile search distance from the Property.

One LST site was identified in the unplotable summary; however, the sites were reviewed and were not within the specified search distance. A site is considered unplotable if it cannot be located on the radius map because of insufficient information.

State registered UST/AST lists. The UST and AST lists identify sites where USTs and/or ASTs currently operate or have been removed. One UST site was identified and no AST sites were identified in the specified search distance.

VCP sites. The list identifies sites participating in the Voluntary Cleanup Program. One VCP sites were identified within the ASTM 0.5-mile search radius from the Property.

US & State Brownfields Sites. MDNR maintains a list of those sites under remediation using federal and/or State Brownfield grants. No sites were identified within the 0.5-mile search radius from the Property.

State Institutional Control/Engineering Control Registries. These registries, when available, list sites that have had identified hazardous materials releases and as a result have had institutional controls or engineering controls imposed upon them in the form of a legal instrument (e.g., deed restriction). MDNR maintains an Activities and Use Limitations (AUL) database that includes these sites. No sites were listed within the ASTM search distance, which is the Property.

4.2 Additional Environmental Records Sources

Other databases were searched that are not specifically required by the ASTM standard, but are included based on professional judgment of the environmental professional. These include Dry Cleaners, State Spills, and ERIS Additional Environmental Records.

Dry Cleaners. The State of Missouri established a Drycleaners Environmental Response Trust Fund (DERT). The MDNR conducted extensive searches for properties that are or once were used for dry cleaning operations. One drycleaners site was identified in the record search.

State Spills. This supplemental database lists environmental response activity by the Department of Natural Resources. The search distance is the Property and it was not identified in the record search.

ERIS Delisted Drycleaners. ERIS has compiled a list of sites removed from the list of Dry Cleaner Facilities. No delisted Dry Cleaner sites were identified within the 0.25-mile search radius from the Property.

Other Ascertainable Records. EDR identified one PCB site on the Radius Map. The site was identified as the Water and Light Department.

4.3 Physical Setting Source(s)

The current USGS Columbia 7.5 Minute Topographic Map from 2017, showing the area of the Property, was reviewed. See 4.4.4 Topographic Maps below for details on the findings.

4.4 Historical Use Information on the Property and Adjoining Properties

Sources consulted to obtain information on the Property and adjoining properties include city directories, aerial photographs, fire insurance maps, and topographic maps.

Based on a review of historical use information, the Property was first developed in the 1965 aerial photograph. Little historical background is known about the Property. The current owner of the Property, Bamda Properties LLC, has only owned it for approximately three years and the previous owner has passed away. The building on the Property appears to have been built in the mid-1960s and prior to the building, it appears a dwelling was located on the Property. It appears that the two main units located in the building on the Property were a muffler/auto repair shop and a carpet store. During site reconnaissance, the two units appeared to have been vacant for quite some time.

4.4.1 City Directories

City Directories are developed each year and list the street, street number and occupant of the property. The directories provide an idea of past use of the Property and surrounding properties. The Historical Information Gatherers (HIG) Research Summary for 1940, 1949, 1951, 1956, 1961, 1966, 1971, 1976, 1981, 1986, 1991, 1996, 2001, 2006, 2010, 2014, and 2018 were reviewed. The HIG Research Summary can be found in **Appendix 4**.

Based on a review of city directories, the address was first identified in the 1966 Polk's Directory as York Jos J. The 1976 city directory identified 1206 as Columbia Public School Vocational Shop, 1208a was identified as Solid State Systems Warehouse and 1208b was identified as Columbia Auto Trim. The Property was also identified in the 1981 directory as Kitchen Concepts of Columbia cabinets and Columbia Auto Trim Auto Upholstery. All units on the Property appeared to be listed in the 1986 directory as the following: 1206a The Carpet Mart, 1206b Columbia Auto Trim Upholstery, 1208a Jerry's Muffler Shop and Garage, and 1208b Progressive Prototype Machine Shop.

4.4.2 Aerial Photographs

Historical aerial photographs, dated 1945, 1950, 1965, 1974, 1983, 1986, 1995, 2003, 2005, 2006, 2007, 2009, 2010, 2012, 2014, 2016, and 2018 were obtained from ERIS and are included in **Appendix 4**. The photographs provide some detail of the features on the Property and surrounding properties. Development on the Property was first identified in the 1965 aerial. Development of surrounding properties was first identified in the 1974 aerial.

4.4.3 Fire Insurance Maps

Fire insurance maps were originally developed to help the insurance industry to determine fire risks of structures. The maps provide details of buildings (i.e., size, shape, construction, windows, and door locations), use of the building, property boundaries, street names, building address numbers, fire protection information, and other features. Fire insurance maps for this area of Columbia were available but did not show the Property.

4.4.4 Topographic Map Review

The USGS 2017 Columbia Quadrangle map, Figure 1, was developed from an aerial photograph taken in 2016. Historical structures, roads, and other developments from earlier USGS base map data are usually transferred forward to the newer map. The red tinted area on the map indicates areas in which only landmark buildings (schools, courthouses, etc.) are shown. Eight historical topographic maps were reviewed:

- 1935 Columbia quadrangle
- 1940 Columbia quadrangle
- 1948 Columbia quadrangle (7.5 minute and 15 minute)
- 1950 Columbia quadrangle (7.5 minute and 15 minute)
- 1967 Columbia quadrangle
- 1974 Columbia quadrangle
- 1981 Columbia quadrangle
- 2017 Columbia quadrangle

The 1935 topographic map and 1940 topographic map show at least one small structure on the Property and additional small structures on the adjoining properties. On the remaining topographic maps, except for the 2017 map, the Property was within the shaded areas, so no structures were shown. The 2017 topographic map does not use shading to indicate areas where landmark buildings are located. The 2017 topographic map only shows select landmark buildings or locations like fire departments, schools, and police departments, among others, with symbols. The topographic maps are included in **Appendix 4**.

5.0 SITE RECONNAISSANCE

A representative of MEC conducted a site visit on January 22, 2020. The building on site had electricity to it but the building was very dimly lit, especially the northern portion of the building which made visual inspection difficult. The northeast portion of the building, Progressive Prototypes, is the only tenant at this time. The portion of the Property used by Progressive Prototypes was locked during site reconnaissance and could not be accessed.

5.1 Hazardous Substances, Petroleum Products and Other Products with Identified Uses

No hazardous substances in connection with identified uses were observed on the Property. Containers that appeared to be used for paint storage were seen in the northern portion of the building. All containers appeared to be in good condition and should not pose a risk to the Property.

5.2 Hazardous Substances, Petroleum Products and Other Products with Unidentified Uses

No hazardous substances in connection with unidentified uses were observed on the Property.

5.3 Storage Tanks

MEC looked for signs of underground storage tanks such as fill pipes, vent pipes, or fuel islands and signs of above ground tanks such as concrete cradles and stilt bases, during the site walk.

In the portion of the building that was previously a muffler and repair shop, no tanks that might have been associated with automotive repair such as used oil or antifreeze storage tanks, were observed either inside or outside the building. The carpet store portion of the site did not have any signs of storage tanks located in the building. There were no signs of storage tanks seen on the outside of the building.

5.4 Indications of Polychlorinated Biphenyls (PCBs)

PCBs may be found in electrical equipment (transformer, capacitors, etc.) and hydraulic systems. There were no PCB-containing electrical equipment or hydraulic systems observed on the Property.

5.5 Indications of Solid Waste Disposal

There were no indications of solid waste disposal observed on the Property.

5.6 Other Conditions of Concern

5.6.1 Storm Water/Wastewater

Storm water runoff from the Property generally drains to the west-northwest based on visual observation of the Property.

5.6.2 Wells

The Property obtains water from the City of Columbia municipal supply and there are no water supply wells on the Property. According to ERIS, there are 127 water wells located within 1.0-mile of the Property.

5.6.3 Pits, Ponds, and Lagoons

Pits, ponds, or lagoons used for the treatment of commercial or industrial waste were not observed on the Property.

There were three large floor drains observed in the interior of building. One floor drain was seen in the northern portion of the building and appeared to be full of debris.

Two other floor drains were seen in the southern portion of the building. The drain in the first room that was partly divided by a wall and appeared to be dry with some debris. The drain in the open portion of the building contained unknown liquids with a slight petroleum sheen and the source of these liquids are unknown.

5.6.4 Stained Soils and Surfaces

No stained soils were observed around the exterior of the Property. Some dark stains were seen on the concrete floor of the old muffler shop. The staining appeared to be minor and should not pose a risk to the Property.

5.6.5 Fill Material

It did not appear fill material had been brought to the Property.

5.7 Photographs of the Site

Photographs of the Property and adjoining properties, with captions to identify photograph location, are included as **Appendix 5**.

A thick-walled yellow pipe was noted on the eastern adjoining property, pointing toward the Property. The pipe was running horizontally and appeared to be in good condition. No debris or staining was seen inside the pipe or below the end of the pipe. The use of the pipe is unknown but is most likely a stormwater drain pipe for a parking lot or roof drain.

6.0 INTERVIEWS

6.1 Interview with Owner Representative

Mr. Matt Beckett, Member of Bamda Properties LLC, was interviewed on January 23, 2020. Mr. Beckett was not aware of any pending, threatened, or past litigation, administrative proceeding or current environmental compliance issues related to the Property. Bamda Properties LLC has only owned the Property for the last three years.

6.2 Interviews with Site Manager

A site manager was not interviewed.

6.3 Interviews with Occupants

No occupants were interviewed.

6.4 Interviews with Local Government Officials

A sunshine request was sent to the City of Columbia on January 21, 2020. A response was received from the City of Columbia that stated, "Our office does not possess records responsive to your request. Please do not hesitate to contact us at 573-874-7556 or respond directly to this email if there are any questions."

6.5 Interviews with Others

No others were interviewed.

7.0 RECORDS REVIEW EVALUATION

MEC has reviewed pertinent regulatory files and/or records associated with the listing as provided by ERIS and included it in **Appendix 4**. Furthermore, MEC has determined that an MDNR file review was not warranted; sufficient information about environmental issues for the Property and adjoining properties was provided in the ERIS list review and discussed in Section 4.0 and Section 9.0.

8.0 FINDINGS

MEC has the following findings, which are listings of current or former businesses or other issues on the Property or near-by properties that have the potential to cause recognized environmental conditions (REC) on the Property as identified in Sections 4.0 and 5.0 of this Phase I ESA Report.

Section 4.1 Hazardous Waste Cleanup Program Sites. Five sites were identified within the search distance which is one mile.

- Columbia Parking Lot - 1514 Business Loop 70 East
- Butternut Bread/Schilby's Tire and Wheels – 1208 Business Loop 70
- Columbia Coal Gas: Columbia Coal Gas – East Parcel – 210 Orr Street
- Columbia Coal Gas – Vicinity of Orr and Ash Streets
- Watkins Roofing (Former) – 104 Orr Street

Section 4.1 State LST lists. Ten LST sites were identified within ASTM 0.5-mile search distance from the Property.

- Power Plant – 1501 Business Loop 70 E
- Heuchan Building - 1514 BUS LOOP 70 E
- COLUMBIA MO 65201
- Bowling Residence – 1619 Mores Blvd
- CFM IV – 1813 Monroe
- C Mart #9514 – 1300 Business Loop 70 E
- Break Time #3155 (U-Pump) – 1300 Wilkes Boulevard
- Knipp Construction – 1116 Business Loop 70 E
- MPC 3 – 1102 Business Loop 70 E
- Henderson Oil Key Stop – 1214 Eugenia Street

Section 4.1 State registered UST/AST lists. One UST site was identified and no AST sites were identified in the specified search distance.

- J.D. Liquors – 1600 Business 70 E

Section 4.1 VCP sites. One VCP sites were identified within the ASTM 0.5-mile search radius from the Property.

- Butternut Bread/Schilby's Tire and Wheels – 1208 Business Loop 70

Section 4.2 Dry Cleaners. One drycleaners site was identified in the record search.

- Paris Cleaners – 1727 Paris Road

Section 4.2 Other Ascertainable Records. EDR identified one PCB site on the Radius Map. The site was identified as the Water and Light Department.

- Water and Light Department – 1514 Business Loop 70 E

Section 5.6.3 Pits, Ponds, and Lagoons.

The floor drain in the open portion of the building contained unknown liquids with a slight petroleum sheen and the source of these liquids is unknown.

9.0 OPINION

MEC has the following opinions about the current or former businesses or other issues on the Property or near-by properties identified in Section 8.0 of this Phase I ESA Report concerning whether they may have caused any recognized environmental conditions on the Property.

Section 4.1 Hazardous Waste Cleanup Program Sites.

- The Columbia Parking Lot site is an adjoining property. The site was listed due to the allegations that transformers and capacitors that may have contained PCBs were said to be buried on site during the late 1970's. The buried material was said to be buried in an area that is now a storage yard. Soil samples were taken and showed low levels of PCBs were below benchmarks. No further investigation or action was recommended by CERCLA and no cleanup activities were required. Due to the recommendation of no further action, the site should not pose a risk to the Property.
- The Butternut Bread/Schilby's Tire and Wheels site was reported to have an underground tank used to store gasoline for delivery vehicles and was located on the western portion of the property. The tank was reported to be removed in 1986. The eastern portion of the site was used by an automobile repair shop with an above ground tank use for waste oil storage. A Phase I ESA was done on the site as well as some on site screening that identified suspected petroleum contamination in the vicinity of the former underground tank. Even though contamination was found, the site is far enough away that it should not pose a risk to the Property.
- The Columbia Coal Gas: Columbia Coal Gas – East Parcel site was investigated to determine the impacts of manufactured gas plant related materials that were located on site when the site was used as a gas plant. The site was the location of two gas holders of a former gas plant that operated from 1875 to 1932. The site was enrolled in the VCP program in 2006. During the investigation, over 31,000 tons of contaminated soil was excavated. Soil samples collected met non-residential target levels except for small areas of the site. Groundwater samples showed low levels of contaminants in shallow groundwater but were determined to not pose a risk as long as the water is not used. The site has an Environmental Covenant placed on the site limiting its use. The site should not pose a risk to the Property due to the distance from the Property.
- The Columbia Coal Gas site is the same site listed above. The site should not pose a risk to the Property due to the distance from the Property.
- The Watkins Roofing (Former) site was listed due to the site having two underground tanks and roofing tar waste. The site has been used by a roofing company since the 1940s. The tanks were reported to have been used to contain kerosene and gasoline. The tanks were removed in 1996 but no sampling was done at that time. A phase II was done on the site in 2005 and soil samples were taken that showed petroleum byproducts were in surface soil. Roofing tar waste piles were identified throughout the site. The site has applied to enter the VCP program. A Missouri Risk-Based Corrective Action evaluation was completed and found that contamination in the soil was below acceptable levels and no further action is necessary. A certificate of completion was issued in 2006. Due to the site having a certificate of completion, and the distance from the Property, the site should not pose a risk.

Section 4.1 State LST lists.

- The Power Plant site was identified as having diesel contamination present near the former tank pit. No excavation of contaminated soil was done due to limited access to the area due to utilities in the area. An 1999 MDNR letter says no additional investigation or remedial action is needed, but the letter is not a guarantee of the quality of the remedial

action done on the site. Even though it appears that the site has remaining contamination, the site is far enough away that it should not pose a risk to the Property.

- The Heuchan Building is on the adjoining property. The tank was reported to have been closed in approximately 1994. The tank closure took place before RBCA was implemented in 2004. Documentation was found that says that MDNR finds that no additional investigation is warranted and the incident is considered closed. The site should not pose a risk to the Property.
- The Bowling Residence site is far enough away that it should not pose a risk to the Property.
- The CFM IV site is far enough away that it should not pose a risk to the Property.
- The C Mart #9514 site is far enough away that it should not pose a risk to the Property.
- The Break Time #3155 (U-Pump) site is far enough away that it should not pose a risk to the Property.
- The Knipp Construction site is far enough away that it should not pose a risk to the Property.
- The MPC 3 site is far enough away that it should not pose a risk to the Property.
- The Henderson Oil Key Stop site is far enough away to not pose a risk to the Property.

Section 4.1 State registered UST/AST lists. The J.D. Liquors site at 1600 Business 70 East is a northern adjoining property. The tanks were reported to be closed by removal from the site but the work was done prior to the adoption of current 2004 cleanup standards. No other information was given as to any contamination found during tank removal. The site is upgradient of the Property. The tanks on the J.D. Liquors site were closed by removal using an acceptable method at the time and the site should not pose a risk to the Property.

Section 4.1 VCP sites. The Butternut Bread/Schilby's Tire and Wheels site is the same site listed as a HWCP site. Even though contamination was found, the site is far enough away that it should not pose a risk to the Property.

Section 4.2 Dry Cleaners. The site is far enough away that it should not pose a risk to the Property.

Section 4.2 Other Ascertainable Records. The site identified as a PCB site is reported as being the adjoining property which could pose a risk to the property if there was ever a release.

Section 5.6.3 Pits, Ponds, and Lagoons.

The floor drain in the southern portion of the building contained an unknown liquid with a slight petroleum sheen. The source of the liquids with a petroleum sheen is unknown. The presence of this liquid in the floor drain meets the definition of a REC since it could pose a risk of petroleum contamination.

10.0 CONCLUSIONS

This Phase I Environmental Site Assessment has been performed in conformance with the scope and limitations of ASTM Practice E 1527-13 on the Property located at 1206 and 1208 Bowling Street, Columbia, Boone County Missouri, Section 7, Township 48 North, Range 12 West. Any exceptions to, or deletions from this practice are described in Section 11 of this report. This

assessment did not reveal evidence of ASTM Practice E 1527-13 recognized environmental conditions in connection with the Property, except for the following:

- Section 5.6.3 Pits, Ponds, and Lagoons - The floor drain in the southern portion of the building contained an unknown liquid with a slight petroleum sheen. The presence of this liquid in the floor drain meets the definition of a REC since it could pose a risk of petroleum contamination.

11.0 DEVIATIONS

There are no significant deviations with respect to this Phase I environmental site assessment.

12.0 SIGNIFICANT DATA GAPS

MEC was able to interview the current owner of the Property, Bamda Properties LLC, however they have only owned the Property for the last three years. The previous owner of the Property is deceased and we were not able to identify any representatives of the previous owner to interview about the history of the Property.

13.0 ADDITIONAL SERVICES

There were no additional services performed.

14.0 REFERENCES

References are cited throughout the report and include city directories, aerial photographs, USGS topographic maps (**Appendix 4**), fire insurance maps, and the ERIS Database Report and Physical Setting Report (**Appendix 2**).

15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL

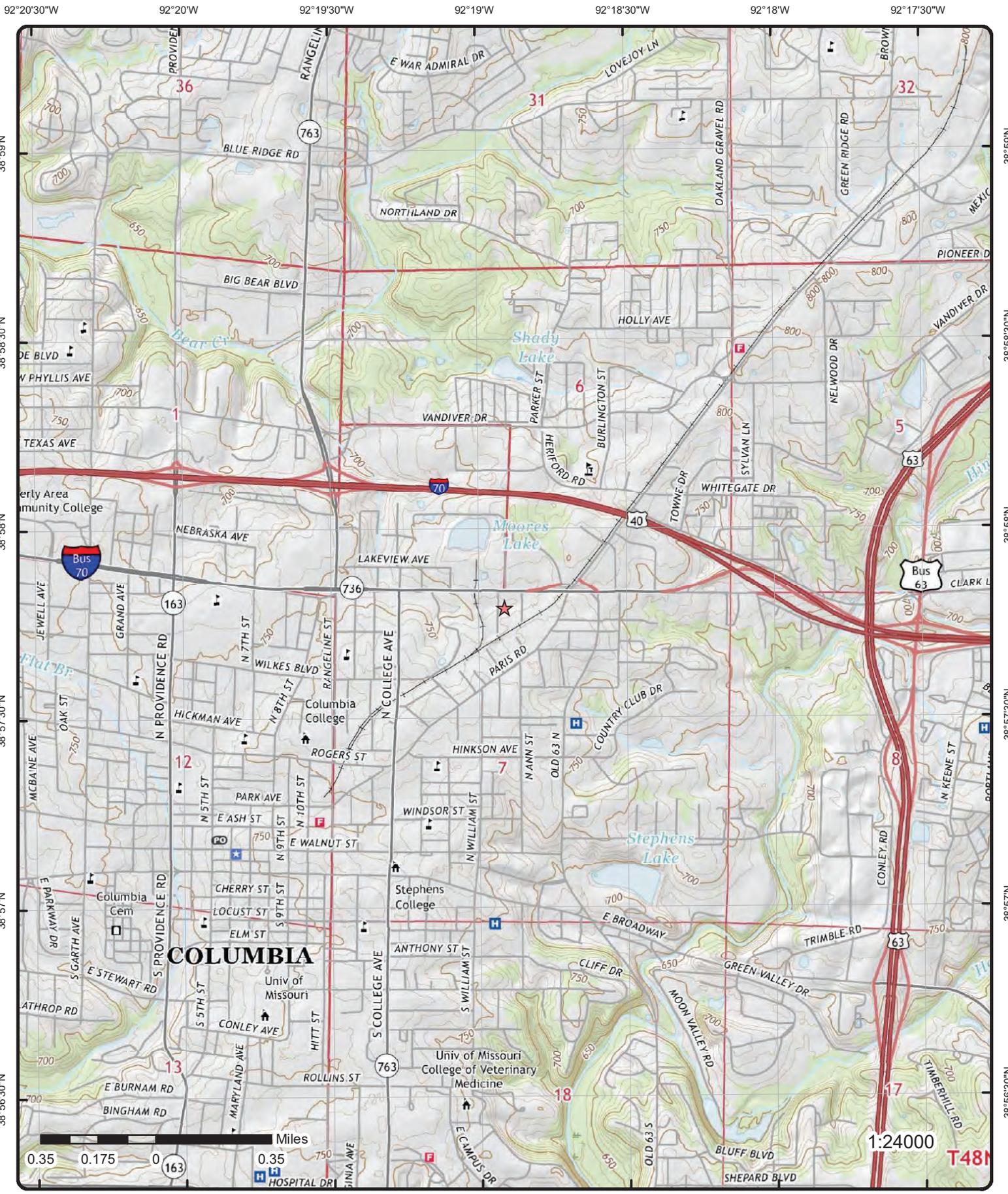
The site visit and the Phase I ESA report were completed by Ross Schmutzler and William B. Lindsey with Midwest Environmental Consultants. I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312. I 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 all appropriate inquiry in conformance with the standards and practices set forth in 40 CFR Part 312. Mr. Lindsey's resume is included in **Appendix 6**.



William B. Lindsey P.E.
Environmental Manager
Environmental Professional

APPENDIX 1

Site Location Map



Topographic Map Year: 2017

Address: 1206 Bowling Street, MO

Quadrangle(s): Columbia,MO

Source: USGS Topographic Map

Order Number: 20200120022



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APPENDIX 2

Regulatory Records Documentation ERIS Database Report and Physical Setting Report



DATABASE REPORT

Project Property: *1206 Bowling Street Property
1206 Bowling Street
Columbia MO 65201*

Project No:

Report Type: *Database Report*

Order No: *20200120022*

Requested by: *Midwest Environmental Consultants*

Date Completed: *January 21, 2020*

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Executive Summary

Property Information:

Project Property: 1206 Bowling Street Property
1206 Bowling Street Columbia MO 65201

Project No:

Coordinates:

Latitude: 38.963183
Longitude: -92.315229
UTM Northing: 4,312,913.91
UTM Easting: 559,326.54
UTM Zone: 15S

Elevation: 759 FT

Order Information:

Order No: 20200120022
Date Requested: January 20, 2020
Requested by: Midwest Environmental Consultants
Report Type: Database Report

Historicals/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<u>Standard Environmental Records</u>								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	1	0	-	-	1
RCRA CESQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
State								
SHWS	Y	1	0	0	0	0	0	0
SMAR	Y	0.5	0	0	1	1	-	2
DELISTED SHWS	Y	1	0	0	0	0	0	0
REMOVED SHWS	Y	0.5	0	0	0	0	-	0
DELISTED HWC	Y	1	0	0	0	0	0	0
DEL SHWS	Y	1	0	0	0	0	0	0
HWCP	Y	1	0	0	1	1	3	5
SWF/LF	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	1	2	7	-	10
DELISTED LST	Y	0.5	0	0	0	1	-	1
UST	Y	0.25	0	2	3	-	-	5
AST	Y	0.25	0	0	0	-	-	0
DEL TANK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	1	-	1
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County	No County standard environmental record sources available for this State.							
<u>Additional Environmental Records</u>								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER CONTAM	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total	
FTTS ADMIN	Y	PO	0	-	-	-	-	0	
FTTS INSP	Y	PO	0	-	-	-	-	0	
PRP	Y	PO	0	-	-	-	-	0	
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0	
ICIS	Y	PO	0	-	-	-	-	0	
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0	
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0	
FUDS	Y	1	0	0	0	0	0	0	
MLTS	Y	PO	0	-	-	-	-	0	
HIST MLTS	Y	PO	0	-	-	-	-	0	
MINES	Y	0.25	0	0	0	-	-	0	
ALT FUELS	Y	0.25	0	0	0	-	-	0	
SSTS	Y	0.25	0	0	0	-	-	0	
PCB	Y	0.5	0	0	1	0	-	1	
State									
PFAS	Y	0.5	0	0	0	0	-	0	
DRYCLEANERS	Y	0.25	0	0	1	-	-	1	
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0	
SPILLS	Y	0.125	0	5	-	-	-	5	
TIER 2	Y	0.125	0	1	-	-	-	1	
Tribal	No Tribal additional environmental record sources available for this State.								
County	No County additional environmental record sources available for this State.								
Total:				0	10	9	11	3	33

* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	UST	J.D. LIQUORS	1600 BUS 70 E COLUMBIA MO 65201	N	0.05 / 240.36	8	21
			<i>Facility ID Active:</i> ST0010784 No <i>Tank ID Tank Type Desc Date Closed:</i> 1 Below Ground , 2 Below Ground				
2	SPILLS	Unknown	1600 Business Loop 70 East Columbia MO	N	0.05 / 253.26	8	23
			<i>Spill No:</i> 1612120900ESM				
3	RCRA SQG	COLUMBIA MUNICIPAL POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65201-4644	WNW	0.11 / 583.45	4	24
			<i>EPA Handler ID:</i> MOR000028365				
3	UST	POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65205	WNW	0.11 / 583.45	4	30
			<i>Facility ID Active:</i> ST0000758 No <i>Tank ID Tank Type Desc Date Closed:</i> 1 Below Ground 11/9/1998				
3	LST	POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65205	WNW	0.11 / 583.45	4	32
			<i>Facility ID Active:</i> ST0000758 No				
3	SPILLS	Columbia Power Plant	1501 Business LOOP 70East Columbia MO	WNW	0.11 / 583.45	4	34
			<i>Spill No:</i> 0209251530LDA				
3	SPILLS	City of Columbia Power & Light	1501 Business Loop 70 East Columbia MO	WNW	0.11 / 583.45	4	35
			<i>Spill No:</i> 1005051305BJA				
3	SPILLS	City of Columbia	1501 BUS LOOP 70 East Columbia MO	WNW	0.11 / 583.45	4	35
			<i>Spill No:</i> 9609261630DLT				
3	SPILLS	City of Columbia	1501 Business LOOP 70 Columbia MO	WNW	0.11 / 583.45	4	36
			<i>Spill No:</i> 9812081438ADC				
3	TIER 2	Columbia Municipal Power Plant	1501 Business Loop 70 East Columbia MO 65201	WNW	0.11 / 583.45	4	37
4	HWCP	Columbia Parking Lot	1514 Business Loop 70 East Columbia MO 65205	WNW	0.13 / 676.11	0	42
4	UST	HEUCHAN BUILDING	1514 BUS LOOP 70 E COLUMBIA MO 65201	WNW	0.13 / 676.11	0	42
			<i>Facility ID Active:</i> ST0000757 No <i>Tank ID Tank Type Desc Date Closed:</i> 2 Below Ground 12/15/1998, 1 Below Ground 12/15/1998, 3 Below Ground 10/21/1993				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	LST	HEUCHAN BUILDING	1514 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active:</i> ST0000757 No	WNW	0.13 / 676.11	0	46
4	SMAR	Columbia Parking Lot	1514 Business Loop 70 East Columbia MO 65205	WNW	0.13 / 676.11	0	47
4	PCB	WTR & LGT DEPT	1514 BUSINESS LOOP 70 EAST COLUMBIA MO 65201	WNW	0.13 / 676.11	0	47
5	UST	CONSOLIDATED FREIGHTWAYS	1715 PARIS RD COLUMBIA MO 65201 <i>Facility ID Active:</i> ST0018801 No <i>Tank ID Tank Type Desc Date Closed:</i> 1 Below Ground 6/26/1998, 2 Below Ground 6/26/1998	ESE	0.16 / 855.76	21	48
6	DRYCLEANERS	Paris Cleaners	1727 Paris Road Columbia MO	E	0.18 / 937.53	22	50
7	UST	BOWLING RESIDENCE	1619 MORES BLVD COLUMBIA MO 65201 <i>Facility ID Active:</i> ST5800691 No	NNE	0.22 / 1,150.10	25	51
7	LST	BOWLING RESIDENCE	1619 MORES BLVD COLUMBIA MO 65201 <i>Facility ID Active:</i> ST5800691 No	NNE	0.22 / 1,150.10	25	52
8	LST	CFM IV	1813 MONROE COLUMBIA MO 65201 <i>Facility ID Active:</i> ST0003774 No	ESE	0.28 / 1,458.57	20	53
9	LST	GRISSUM BUILDING	1313 LAKEVIEW AVENUE COLUMBIA MO 65201 <i>Facility ID Active:</i> ST0000764 Yes	WNW	0.28 / 1,474.46	-2	55
10	LST	C MART #9514	1300 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active:</i> ST0010821 No	W	0.30 / 1,584.37	-26	56
12	HWCP	Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	-28	57
12	VCP	Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	-28	58
12	SMAR	Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	-28	59

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>13</u>	LST	BREAK TIME #3155 (U-PUMP)	1300 WILKES BOULEVARD COLUMBIA MO 65201 <i>Facility ID Active: ST0003566 No</i>	WSW	0.38 / 1,994.56	21	<u>59</u>
<u>15</u>	LST	KNIPP CONSTRUCTION	1116 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active: ST0008114 No</i>	W	0.43 / 2,244.16	-25	<u>60</u>
<u>16</u>	DELISTED LST	MPC 3	1102 BUS LOOP 70 E COLUMBIA MO 65201	W	0.49 / 2,605.26	-19	<u>62</u>
<u>16</u>	LST	MPC 3	1102 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active: ST0003891 No</i>	W	0.49 / 2,605.26	-19	<u>63</u>
<u>17</u>	LST	HENDERSON OIL KEY STOP	1214 EUGENIA ST COLUMBIA MO 65201 <i>Facility ID Active: ST3000410 No</i>	SW	0.50 / 2,622.93	14	<u>65</u>
<u>18</u>	HWCP	Columbia Coal Gas: Columbia Coal Gas - East Parcel	210 Orr St. Columbia MO 65201-4963	SW	0.81 / 4,259.94	-17	<u>66</u>
<u>19</u>	HWCP	Columbia Coal Gas	Vicinity of Orr and Ash Streets Columbia MO 65201	SW	0.84 / 4,435.09	-10	<u>67</u>
<u>20</u>	HWCP	Watkins Roofing (Former)	104 Orr Street Columbia MO 65201-4919	SW	0.88 / 4,653.59	2	<u>68</u>

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Nov 18, 2019 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
COLUMBIA MUNICIPAL POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65201-4644	WNW	0.11 / 583.45	<u>3</u>
	<i>EPA Handler ID: MOR000028365</i>			

State

SMAR - Site Management and Reporting System

A search of the SMAR database, dated Dec 3, 2019 has found that there are 2 SMAR site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Columbia Parking Lot	1514 Business Loop 70 East Columbia MO 65205	WNW	0.13 / 676.11	<u>4</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	<u>12</u>

HWCP - Hazardous Waste Cleanup Program Sites

A search of the HWCP database, dated Nov 11, 2019 has found that there are 5 HWCP site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Columbia Parking Lot	1514 Business Loop 70 East Columbia MO 65205	WNW	0.13 / 676.11	<u>4</u>
Watkins Roofing (Former)	104 Orr Street Columbia MO 65201-4919	SW	0.88 / 4,653.59	<u>20</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	12
Columbia Coal Gas: Columbia Coal Gas - East Parcel	210 Orr St. Columbia MO 65201-4963	SW	0.81 / 4,259.94	18
Columbia Coal Gas	Vicinity of Orr and Ash Streets Columbia MO 65201	SW	0.84 / 4,435.09	19

LST - Leaking Storage Tank

A search of the LST database, dated Sep 24, 2019 has found that there are 10 LST site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65205 <i>Facility ID Active: ST0000758 No</i>	WNW	0.11 / 583.45	3
HEUCHAN BUILDING	1514 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active: ST0000757 No</i>	WNW	0.13 / 676.11	4
BOWLING RESIDENCE	1619 MORES BLVD COLUMBIA MO 65201 <i>Facility ID Active: ST5800691 No</i>	NNE	0.22 / 1,150.10	7
CFM IV	1813 MONROE COLUMBIA MO 65201 <i>Facility ID Active: ST0003774 No</i>	ESE	0.28 / 1,458.57	8
BREAK TIME #3155 (U-PUMP)	1300 WILKES BOULEVARD COLUMBIA MO 65201 <i>Facility ID Active: ST0003566 No</i>	WSW	0.38 / 1,994.56	13
HENDERSON OIL KEY STOP	1214 EUGENIA ST COLUMBIA MO 65201 <i>Facility ID Active: ST3000410 No</i>	SW	0.50 / 2,622.93	17
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
GRISSUM BUILDING	1313 LAKEVIEW AVENUE COLUMBIA MO 65201 <i>Facility ID Active: ST0000764 Yes</i>	WNW	0.28 / 1,474.46	9
C MART #9514	1300 BUS LOOP 70 E COLUMBIA MO 65201 <i>Facility ID Active: ST0010821 No</i>	W	0.30 / 1,584.37	10

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KNIPP CONSTRUCTION	1116 BUS LOOP 70 E COLUMBIA MO 65201	W	0.43 / 2,244.16	15
	<i>Facility ID Active: ST0008114 No</i>			
MPC 3	1102 BUS LOOP 70 E COLUMBIA MO 65201	W	0.49 / 2,605.26	16
	<i>Facility ID Active: ST0003891 No</i>			

DELISTED LST - Delisted Leaking Storage Tank

A search of the DELISTED LST database, dated Sep 24, 2019 has found that there are 1 DELISTED LST site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
MPC 3	1102 BUS LOOP 70 E COLUMBIA MO 65201	W	0.49 / 2,605.26	16

UST - Petroleum Storage Tanks

A search of the UST database, dated Sep 24, 2019 has found that there are 5 UST site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
J.D. LIQUORS	1600 BUS 70 E COLUMBIA MO 65201	N	0.05 / 240.36	1
	<i>Facility ID Active: ST0010784 No</i> <i>Tank ID Tank Type Desc Date Closed: 1 Below Ground , 2 Below Ground </i>			
POWER PLANT	1501 BUSINESS LOOP 70 E COLUMBIA MO 65205	WNW	0.11 / 583.45	3
	<i>Facility ID Active: ST0000758 No</i> <i>Tank ID Tank Type Desc Date Closed: 1 Below Ground 11/9/1998</i>			
HEUCHAN BUILDING	1514 BUS LOOP 70 E COLUMBIA MO 65201	WNW	0.13 / 676.11	4
	<i>Facility ID Active: ST0000757 No</i> <i>Tank ID Tank Type Desc Date Closed: 2 Below Ground 12/15/1998, 1 Below Ground 12/15/1998, 3 Below Ground 10/21/1993</i>			
CONSOLIDATED FREIGHTWAYS	1715 PARIS RD COLUMBIA MO 65201	ESE	0.16 / 855.76	5
	<i>Facility ID Active: ST0018801 No</i> <i>Tank ID Tank Type Desc Date Closed: 1 Below Ground 6/26/1998, 2 Below Ground 6/26/1998</i>			
BOWLING RESIDENCE	1619 MORES BLVD COLUMBIA MO 65201	NNE	0.22 / 1,150.10	7
	<i>Facility ID Active: ST5800691 No</i>			

VCP - Brownfields/Voluntary Cleanup Program

A search of the VCP database, dated Dec 3, 2019 has found that there are 1 VCP site(s) within approximately 0.50 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Butternut Bread/Schilby's Tire & Wheels	1208 Business Loop 70 Columbia MO 65201-4608	W	0.35 / 1,844.33	12

Non Standard

Federal

PCB - Polychlorinated Biphenyl (PCB) Notifiers

A search of the PCB database, dated Oct 9, 2019 has found that there are 1 PCB site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WTR & LGT DEPT	1514 BUSINESS LOOP 70 EAST COLUMBIA MO 65201	WNW	0.13 / 676.11	4

State

DRYCLEANERS - Dry Cleaner List

A search of the DRYCLEANERS database, dated Nov 30, 2017 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Paris Cleaners	1727 Paris Road Columbia MO	E	0.18 / 937.53	6

SPILLS - Environmental Incident Summary Database

A search of the SPILLS database, dated Oct 10, 2019 has found that there are 5 SPILLS site(s) within approximately 0.12 miles of the project property.

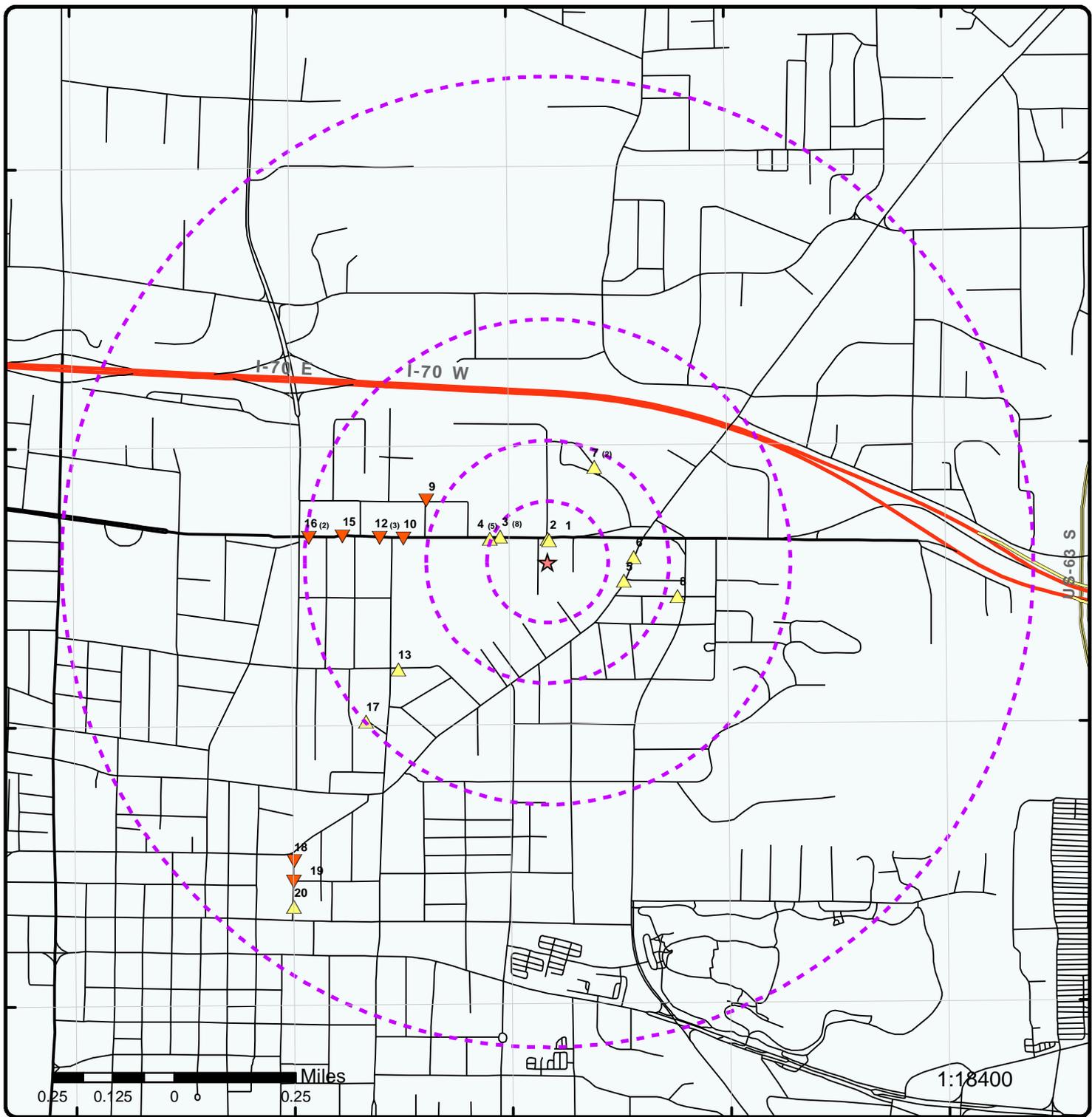
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Unknown	1600 Business Loop 70 East Columbia MO <i>Spill No: 1612120900ESM</i>	N	0.05 / 253.26	2
City of Columbia	1501 Business LOOP 70 Columbia MO <i>Spill No: 9812081438ADC</i>	WNW	0.11 / 583.45	3
City of Columbia	1501 BUS LOOP 70 East Columbia MO <i>Spill No: 9609261630DLT</i>	WNW	0.11 / 583.45	3
City of Columbia Power & Light	1501 Business Loop 70 East Columbia MO	WNW	0.11 / 583.45	3

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>Spill No: 1005051305BJA</i>			
Columbia Power Plant	1501 Business LOOP 70East Columbia MO	WNW	0.11 / 583.45	3
	<i>Spill No: 0209251530LDA</i>			

TIER 2 - Tier 2 Report

A search of the TIER 2 database, dated Jul 9, 2018 has found that there are 1 TIER 2 site(s) within approximately 0.12 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Columbia Municipal Power Plant	1501 Business Loop 70 East Columbia MO 65201	WNW	0.11 / 583.45	3

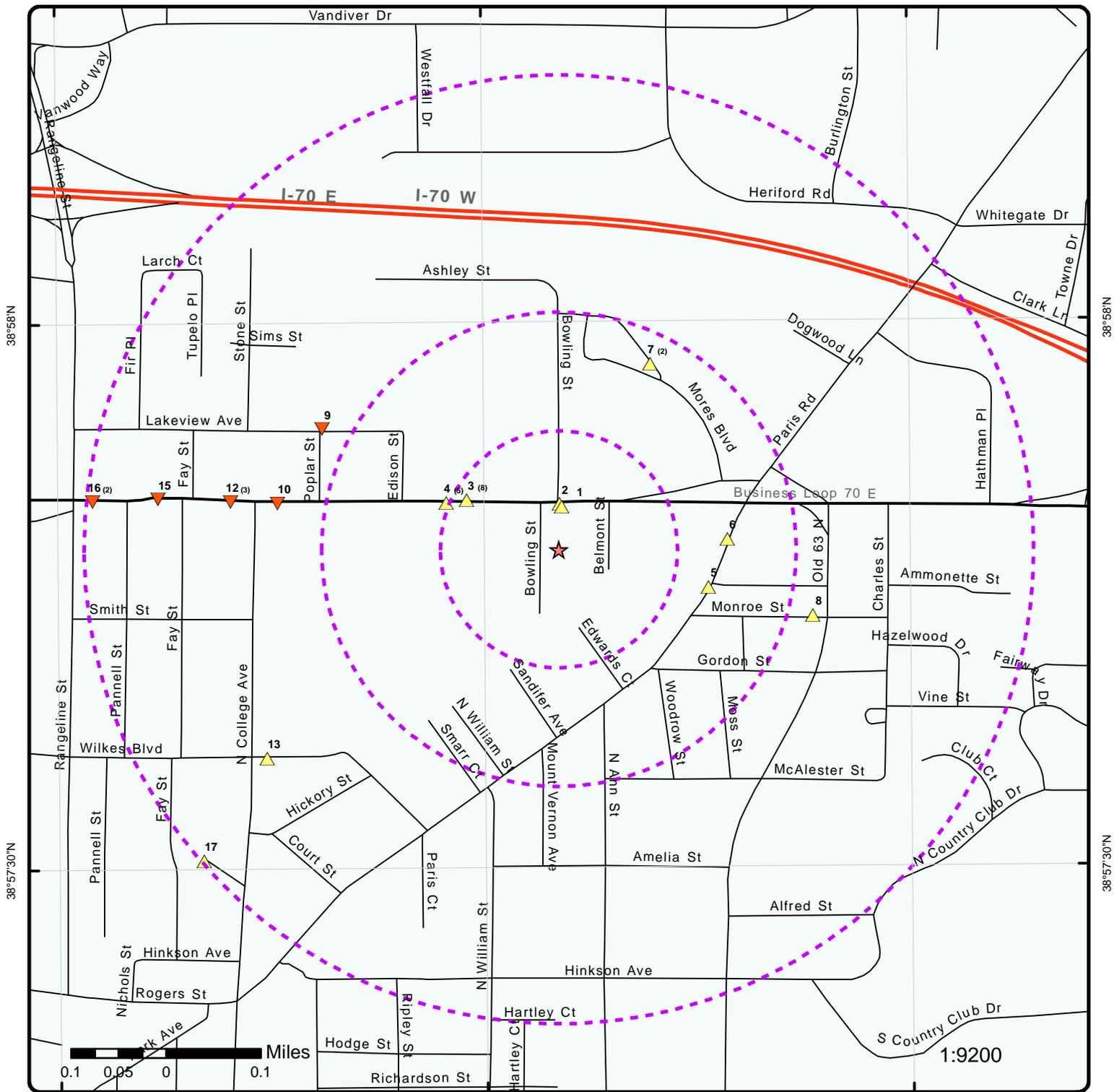


Map : 1.0 Mile Radius

Order Number: 20200120022
 Address: 1206 Bowling Street, Columbia, MO



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



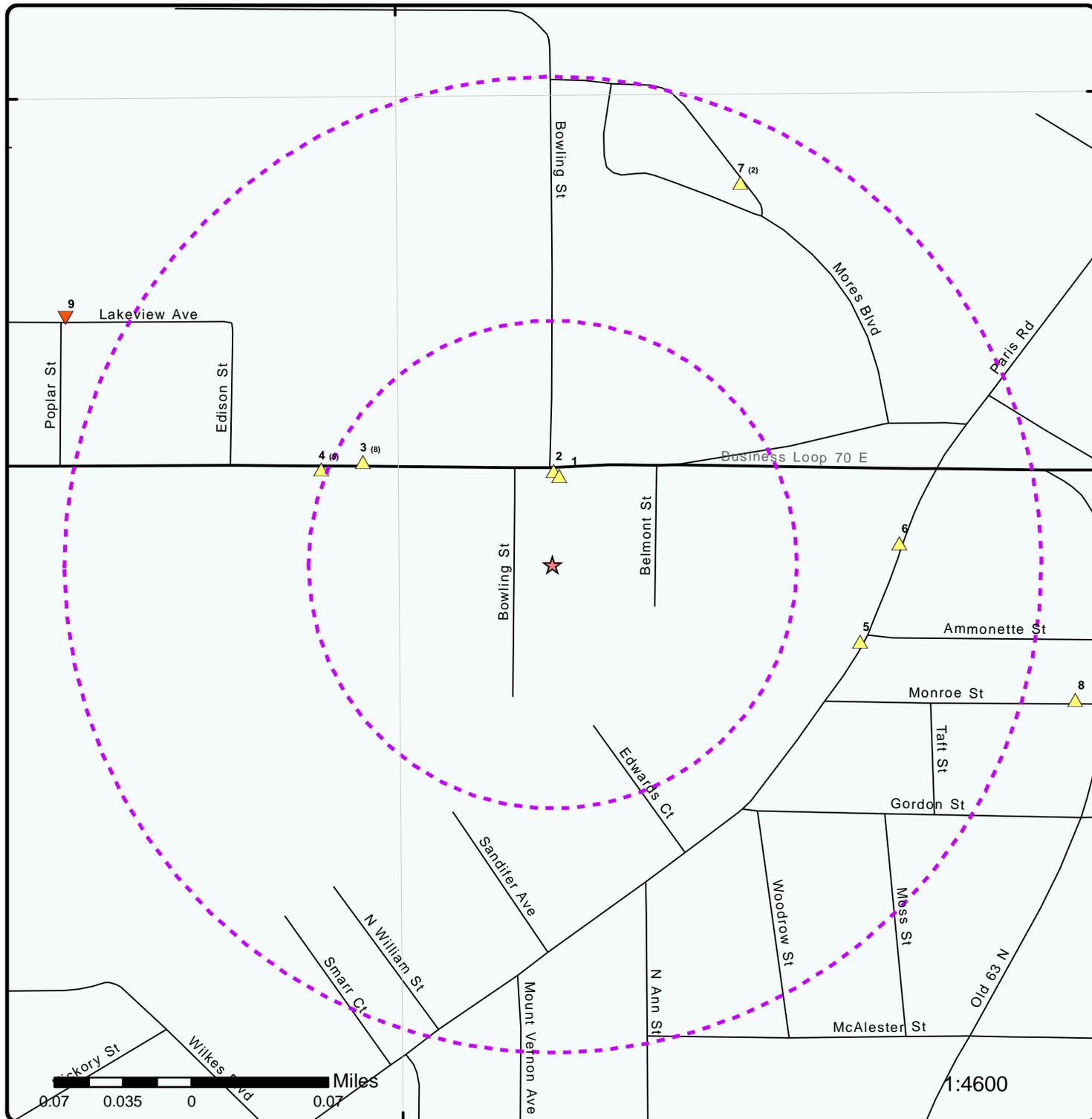
Map : 0.5 Mile Radius

Order Number: 20200120022

Address: 1206 Bowling Street, Columbia, MO



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		



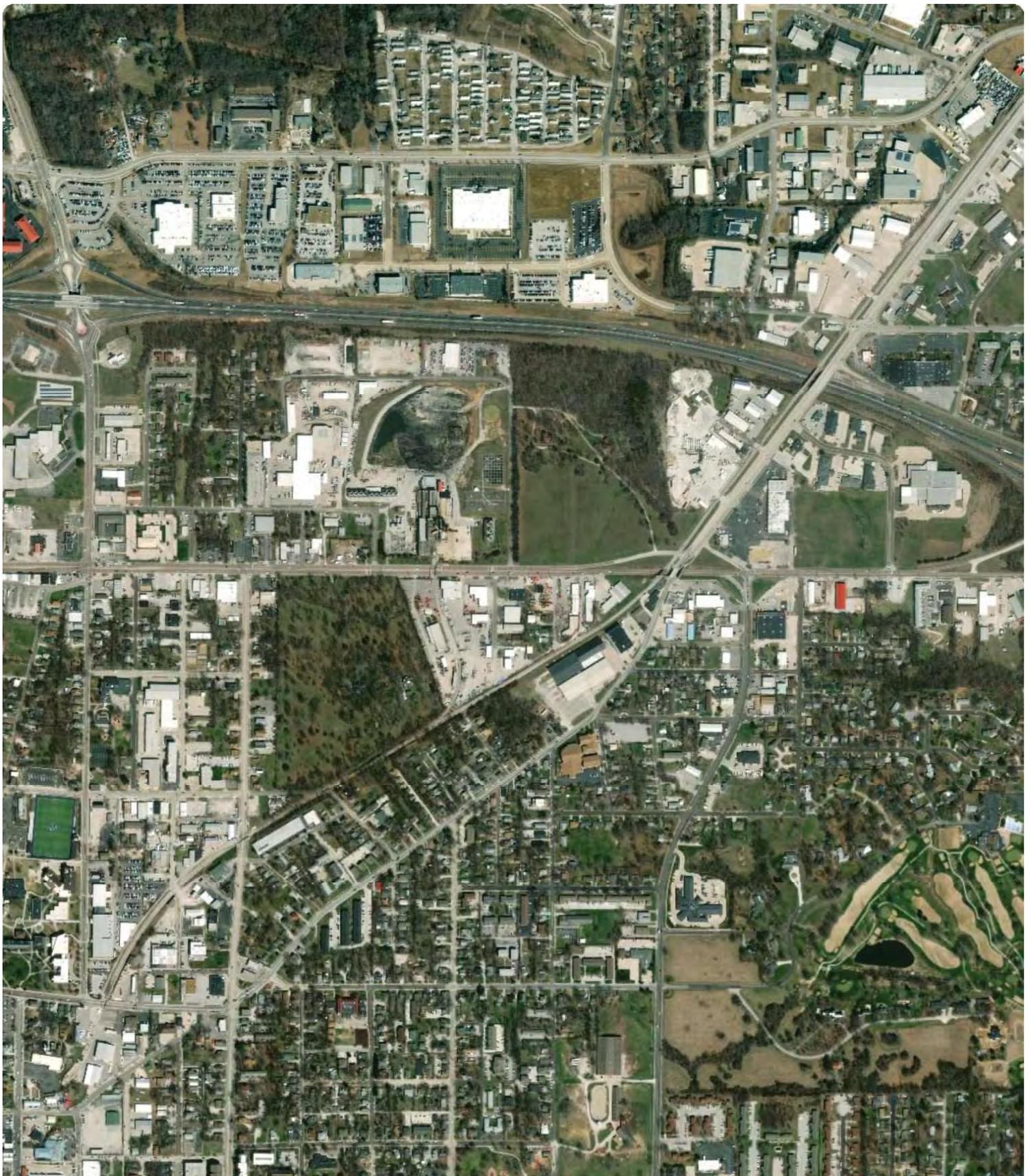
Map : 0.25 Mile Radius

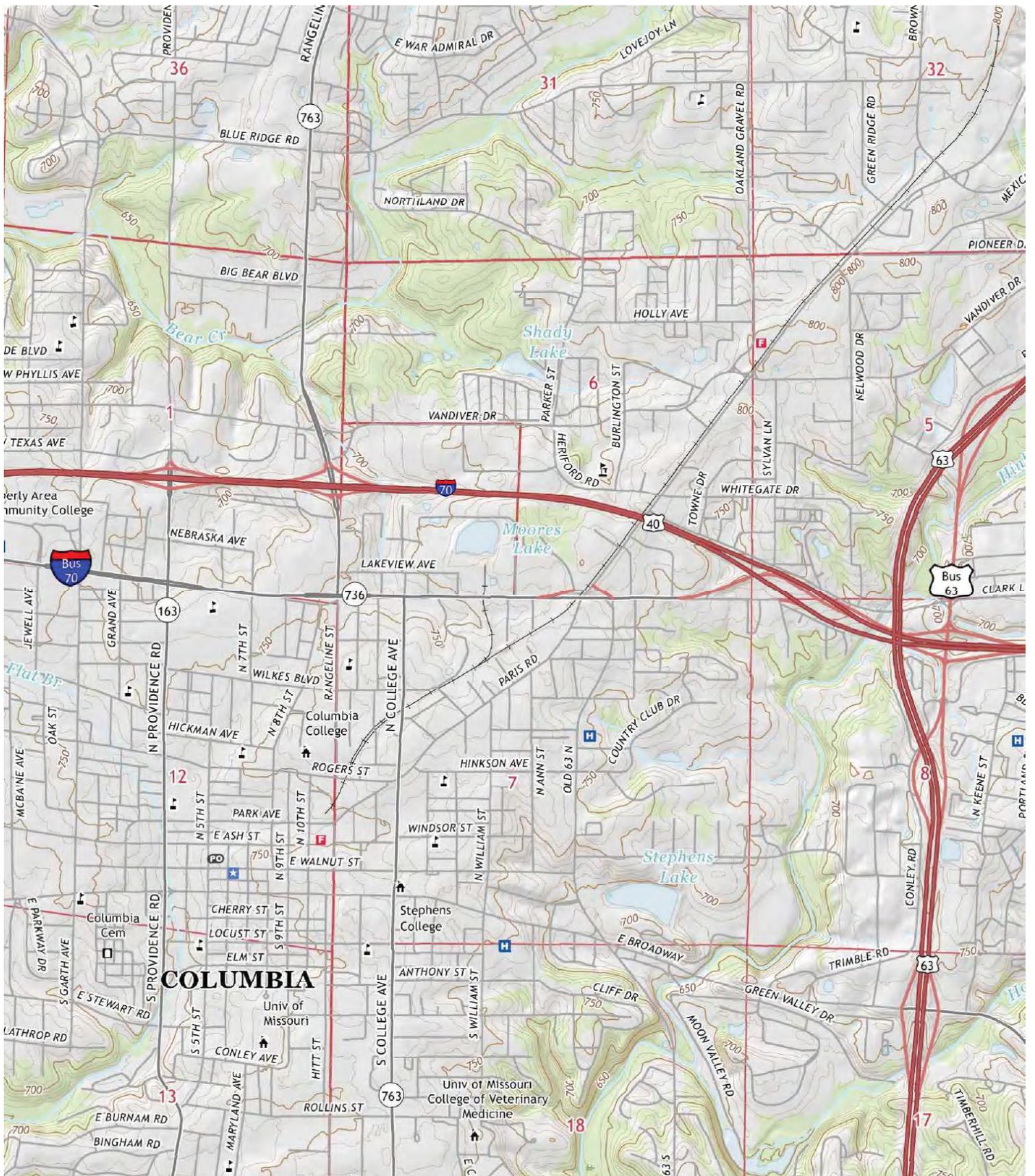
Order Number: 20200120022

Address: 1206 Bowling Street, Columbia, MO



Project Property	Rails	State Boundary	FWS Special Designation Areas
Buffer Outline	Major Highways	National Priority List Sites	State Brownfield Sites
Eris Sites with Higher Elevation	Major Highways Ramps	National Wetland	State Brownfield Areas
Eris Sites with Same Elevation	Major Roads	Indian Reserve Land	State Superfund Areas: Dept. of Defense
Eris Sites with Lower Elevation	Major Roads Ramps	Historic Fill	State Superfund Areas: NPL
Eris Sites with Unknown Elevation	Secondary Roads	100 Year Flood Zone	WQARF Areas
County Boundary	Secondary Roads Ramps	500 Year Flood Zone	Federal Lands: Dept. of Defense (owned/administered areas)
	Local Roads and Ramps		





Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 1	N	0.05 / 240.36	766.58 / 8	J.D. LIQUORS 1600 BUS 70 E COLUMBIA MO 65201	UST

Facility ID: ST0010784
Active: No
Facility Type Code: U
Facility Type: Under Ground
Facility Status Code: R
Facility Status: Registered
Source Code:
Source:
No Tanks Upgraded: 0
No Observe Wells: 0
Regist Start Date:
Regist End Date:
Date Received: 4/17/1986
Archive Date: 10/23/2006
Date Certif Printed:
Certificate Printed: No
New Facility: No
Due Contract Insp: No
Create Invoice: No
Receipt: No
Archive: Yes
House Bill: No
Label Printed: No
Moratorium: No
Deliv Mail to Own: No
Non Deliverable: No
Contact:
Area Code:
Phone Prefix:
Phone Suffix:
Zip Extension:
Signer: K.A. HOLSCHLOZ
Signer Title:
Ref Pt Code: CO
Ref Pt: Center of Operations
Title:
Email Address:

Property Owner:
RP Name:
RP Contact:
RP Address:
RP City:
RP State:
RP Zip:
RP Area Code:
RP Phone Prefix:
RP Phone Suffix:
RP Undeliverable: No
County Code: 19
County Name: BOONE
Geo Owner: 5
Geo Owner Desc: Hazardous Waste Program
Geo Collected By: CORBIN, M
Date Collected: 9/23/2010
Horiz Coll Meth Code: I2
Horiz Coll Meth Desc: Interpolation from photography
Horiz Coll Type Desc: Interpolation
Horiz Accuracy Est: 12.2
PDOP:
Score:
Source Map Scale: 24000
Horiz Acc U of Meas: Meters
Geo Type: POINT
Datum: NAD83
Region: NE
Easting: 555258
Northing: 4313345.94
UTM Zone: 15
Verified: Yes
Source Y: 38.9673420426596
Source X: -92.3621519907911

Tanks Information

Tank PK: 26588
Tank ID: 1
IFR No:
Owner ID: OW10082
Tank Type: B
Tank Type Desc: Below Ground
Status: R
Tank Status Desc: Removed
Tank Install Date: 1/1/1984
Tank Material: 1
Tank Material Desc: Steel
Tank Mat Other:
Tk Int Prot:
Tk Int Prot Desc:

Admin 585:
Installer:
Installer Address:
Installer City:
Installer State:
Installer Zip:
Installer Contact:
Installer Phone:
Installer Fax:
Email:
Closure Proj Mngr:
Date of Last Use: 9/15/1989
Date Closed:
Expected in Use Dt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tk Int Prot Other:					No Further Act Dt:	9/15/1989
Tk Int Protect Dt:					Date Closed Null:	Yes
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	
Tk Ext Prot Other:					Report Received:	
Tk Ext Protect Dt:					Date Received:	8/21/1989
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	DAVIS OIL COMPANY				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compart PK:	26588				Pipe Double Wall:	No
Compartment No:	1				Mixture:	0
CAS No:					Substance:	U
Compartment Status:	R				Tk Substance Desc:	Gasoline, Including Blends
Tank Status Desc:	Removed				Substance Other:	
Capacity:	8000				Hazard Substance:	
Pipe Installer:					Tanks Use:	No
Pipe Install Date:					Comp Lockout Flag:	No
Pipe System:					Spill Protection:	No
Tank Pipe Sys Desc:					Spill Protection Wall:	
Pipe Material:	1				Tank Top:	
Pipe Material Desc:	Steel				Sub Dispensor:	
Pipe Mat Other:					Disp Conn Fit Prot:	
Pipe Protection:					Tk Top Conn Fit Prot:	
Pipe Protect Desc:					Throughput:	
Pipe Protect Date:					Date of Last Use:	9/15/1989

Tanks Information

Tank PK:	26589				Admin 585:	
Tank ID:	2				Installer:	
IFR No:					Installer Address:	
Owner ID:	OW10082				Installer City:	
Tank Type:	B				Installer State:	
Tank Type Desc:	Below Ground				Installer Zip:	
Status:	R				Installer Contact:	
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:	1/1/1984				Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	9/15/1989
Tk Int Prot:					Date Closed:	
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	9/15/1989
Tk Int Protect Dt:					Date Closed Null:	Yes
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	
Tk Ext Prot Other:					Report Received:	
Tk Ext Protect Dt:					Date Received:	8/21/1989
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	DAVIS OIL COMPANY				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compart PK:	26589	Pipe Double Wall:	No
Compartment No:	1	Mixture:	0
CAS No:		Substance:	U
Compartment Status:	R	Tk Substance Desc:	Gasoline, Including Blends
Tank Status Desc:	Removed	Substance Other:	
Capacity:	8000	Hazard Substance:	
Pipe Installer:		Tanks Use:	No
Pipe Install Date:		Comp Lockout Flag:	No
Pipe System:		Spill Protection:	No
Tank Pipe Sys Desc:		Spill Protection Wall:	
Pipe Material:	1	Tank Top:	
Pipe Material Desc:	Steel	Sub Dispensor:	
Pipe Mat Other:		Disp Conn Fit Prot:	
Pipe Protection:		Tk Top Conn Fit Prot:	
Pipe Protect Desc:		Throughput:	
Pipe Protect Date:		Date of Last Use:	9/15/1989

Owners Information

Owner ID:	OW10082	State:	MO
Active:	No	Zip:	65251
Non Deliverable:	Yes	Zip Extension:	
Date Received:		County:	27
Name:	DAVIS OIL COMPANY, INC	Area Code:	573
Address:	502 JEFFERSON	Phone Prefix:	642
City:	FULTON	Phone Suffix:	2477

Missouri Environmental Site Tracking and Research Tool (E-START)

AUL ID:		Closure Guidance:	Other
Remed ID:		Contamins:	Petroleum constituents
Fac Status:	Facility Closed Prior to Implementation of 2004 Tanks RBCA	Use Limits:	
Fac Type:	Former Underground Storage Tank Facilities	Site Ownership:	DNR/Hazardous Waste Program/Tanks Section
Facility Name:	J.D. LIQUORS	Summary:	A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. Please review the Department of Natural Resources site file for more information.

2 1 of 1 N 0.05 / 253.26 766.38 / 8 Unknown 1600 Business Loop 70 East Columbia MO SPILLS

Spill No:	1612120900ESM	Property Use Code:	28
Entity ID:	7132	Property Use Desc:	Water/Waterway/Marina
ID:	57141	Prop Subcat ID:	11
Discovery Date:	12/12/2016	Prop Subcat Name:	Unknown/Other
Discovery Time:	12/12/2016 9:00:00 AM	RP Contact:	9548
Cause Subcat ID:		Regional Office:	NERO
Cause Description:	Unknown/Undetermined	Agency:	Private - Citizen
Cause Subcat Name:	Unknown/Other	Contact Name:	Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Incident Cause:	19				Contacts Phone:	
Incident City:	Columbia				Organization Name:	Unknown
Incident State:	46				Org Phone:	
Incident Dt Search:	12/12/2016				Address 1:	
Incident Date:	12/12/2016				Address 2:	
Incident Time:	12/12/2016 9:00:00 AM				City:	
Issuer:					State:	
Issue Date:					State Ref Desc:	
Issue Time:					Zip:	
Issuer Ref Desc:					Call Date:	12/12/2016
Collection Box:					Call Time:	12/12/2016 9:00:00 AM
E-Mail:	No				Latitude:	38.9631118774414
Contaminant Rel:	No				Longitude:	-92.3186492919922
Chemical Pickup:	No				GPS Method Code:	AO
Household Haz Waste:	No				UTM Northing:	4312903.78
Historic Release:	No				UTM Easting:	559030.45
PSTIF:	No				UTM Zone:	15
Haz Sub Issued:	No				UTM EPE:	0
County Code:	19				Report Origin:	67
County:	Boone				Job Code:	
Incident Location:		1600 Business Loop 70 East				
Description:		Address Matching - Other Address Matching				
Additional Info:						

Caller reported an unknown green substance in an unnamed waterway near 1600 Business Loop 70 East, Columbia. It is not believed to be algae, and no fish kill has been reported. The City of Columbia is responding to the scene to assess the situation.

It was reported to the duty officer that coloration in the waterway was due to a dye trace.

Responding Agencies

ID:	46689	Agency:	Local - Public Works
Agent Code:	62	Immediate/Delayed:	I

<u>3</u>	1 of 8	WNW	0.11 / 583.45	762.48 / 4	COLUMBIA MUNICIPAL POWER PLANT 1501 BUSINESS LOOP 70 E COLUMBIA MO 65201-4644	RCRA SQG
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EPA Handler ID:	MOR000028365
Gen Status Universe:	Small Quantity Generator
Contact Name:	CHRISTIAN JOHANNINGMEIER
Contact Address:	PO BOX 6015 , , COLUMBIA , MO, 65205-6015 , US
Contact Phone No and Ext:	573-874-6236
Contact Email:	CJJ@GOCOLUMBIAMO.COM
Contact Country:	US
County Name:	BOONE
EPA Region:	07
Land Type:	Municipal
Receive Date:	20150521

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated November, 2019.

Violation Details

Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A
Violation Determined Date:	20141028
Scheduled Compliance Date:	
Return to Compliance:	D

Actual Return to Compl: 20141224
 Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
 Enforcement Type Description:
 Enforcement Action Date: 20141119
 Enf Disposition Status:
 Disposition Status Date:
 Enforcement Lead Agency: State
 Proposed Penalty Amount:
 Final Amount:
 Paid Amount:

Violation Details

Citation:
 Violation Short Description: Generators - Manifest
 Violation Type: 262.B
 Violation Determined Date: 20141028
 Scheduled Compliance Date:
 Return to Compliance: D
 Actual Return to Compl: 20141224
 Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
 Enforcement Type Description:
 Enforcement Action Date: 20141119
 Enf Disposition Status:
 Disposition Status Date:
 Enforcement Lead Agency: State
 Proposed Penalty Amount:
 Final Amount:
 Paid Amount:

Violation Details

Citation:
 Violation Short Description: State Statute or Regulation
 Violation Type: XXS
 Violation Determined Date: 20141028
 Scheduled Compliance Date:
 Return to Compliance: D
 Actual Return to Compl: 20141224
 Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 122
 Enforcement Type Description:
 Enforcement Action Date: 20141119
 Enf Disposition Status:
 Disposition Status Date:
 Enforcement Lead Agency: State
 Proposed Penalty Amount:
 Final Amount:
 Paid Amount:

Violation Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Citation: SR - I04
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20030428
Scheduled Compliance Date:
Return to Compliance: U
Actual Return to Compl: 20030428
Violation Responsible Agency: State

Evaluation Details

Evaluation Start Date: 20141028
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20141224
Evaluation Agency: State

Evaluation Start Date: 20141028
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20141224
Evaluation Agency: State

Evaluation Start Date: 20141028
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20141224
Evaluation Agency: State

Evaluation Start Date: 20030428
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20030428
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990414
Handler Name: COLUMBIA MUNICIPAL POWER PLANT CITY OF
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Sequence No:	2					
Receive Date:	20010803					
Handler Name:	COLUMBIA MUNICIPAL POWER PLANT CITY OF					
Generator Status Universe:	Small Quantity Generator					
Source Type:	Notification					

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	U133
Waste Code Description:	HYDRAZINE (R,T)

Hazardous Waste Handler Details

Sequence No:	3				
Receive Date:	20030521				
Handler Name:	COLUMBIA MUNICIPAL POWER PLANT CITY OF				
Generator Status Universe:	Small Quantity Generator				
Source Type:	Notification				

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	U133
Waste Code Description:	HYDRAZINE (R,T)

Hazardous Waste Handler Details

Sequence No:	4				
Receive Date:	20130821				
Handler Name:	COLUMBIA MUNICIPAL POWER PLANT				
Generator Status Universe:	Small Quantity Generator				
Source Type:	Notification				

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE

Hazardous Waste Handler Details

Sequence No:	1				
Receive Date:	20130926				
Handler Name:	COLUMBIA MUNICIPAL POWER PLANT				
Generator Status Universe:	Small Quantity Generator				
Source Type:	Implementer				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20141219
Handler Name: COLUMBIA MUNICIPAL POWER PLANT
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20141219
Handler Name: COLUMBIA MUNICIPAL POWER PLANT
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20150521
Handler Name: COLUMBIA MUNICIPAL POWER PLANT
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20150521
Handler Name: COLUMBIA MUNICIPAL POWER PLANT
Generator Status Universe: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Operator	Street No:
Type: Municipal	Street 1: PO BOX 6015
Name: COLUMBIA MO CITY OF	Street 2:
Date Became Current: 19981201	City: COLUMBIA
Date Ended Current:	State: MO
Phone: 573-874-7300	Country: US
Source Type: Notification	Zip Code: 65205-6015

Owner/Operator Ind: Current Owner	Street No:
Type: Municipal	Street 1: PO BOX 6015
Name: COLUMBIA MO CITY OF	Street 2:
Date Became Current: 19981201	City: COLUMBIA
Date Ended Current:	State: MO
Phone: 573-874-7300	Country: US
Source Type: Notification	Zip Code: 65205-6015

Owner/Operator Ind: Current Owner	Street No:
Type: Municipal	Street 1: PO BOX 6015
Name: CITY OF COLUMBIA	Street 2:
Date Became Current:	City: COLUMBIA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Date Ended Current:					State: MO	
Phone:	573-874-7300				Country:	
Source Type:	Notification				Zip Code: 65205	
Owner/Operator Ind:	Current Owner				Street No:	
Type:	Municipal				Street 1: PO BOX 6015	
Name:	COLUMBIA MO CITY OF				Street 2:	
Date Became Current:	19981201				City: COLUMBIA	
Date Ended Current:					State: MO	
Phone:	573-874-7300				Country: US	
Source Type:	Implementer				Zip Code: 65205-6015	
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Municipal				Street 1: PO BOX 6015	
Name:	COLUMBIA MO CITY OF				Street 2:	
Date Became Current:	19981201				City: COLUMBIA	
Date Ended Current:					State: MO	
Phone:	573-874-7300				Country: US	
Source Type:	Implementer				Zip Code: 65205-6015	
Owner/Operator Ind:	Current Operator				Street No:	
Type:	Municipal				Street 1: PO BOX 6015	
Name:	CITY OF COLUMBIA MO				Street 2:	
Date Became Current:	20030521				City: COLUMBIA	
Date Ended Current:					State: MO	
Phone:	573-874-7300				Country: US	
Source Type:	Notification				Zip Code: 65205	

Historical Handler Details

Receive Dt: 20150521
Generator Code Description: Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT

Receive Dt: 20141219
Generator Code Description: Very Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT

Receive Dt: 20141219
Generator Code Description: Very Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT

Receive Dt: 20130926
Generator Code Description: Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT

Receive Dt: 20130821
Generator Code Description: Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT

Receive Dt: 20030521
Generator Code Description: Very Small Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT CITY OF

Receive Dt: 20010803
Generator Code Description: Large Quantity Generator
Handler Name: COLUMBIA MUNICIPAL POWER PLANT CITY OF

Receive Dt: 19990414
Generator Code Description: Not a Generator, Verified
Handler Name: COLUMBIA MUNICIPAL POWER PLANT CITY OF

3 2 of 8 **WNW** 0.11 / 583.45 762.48 / 4 **POWER PLANT** **UST**
1501 BUSINESS LOOP 70 E
COLUMBIA MO 65205

Facility ID: ST0000758 **Property Owner:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Active:	No				RP Name:	
Facility Type Code:	U				RP Contact:	
Facility Type:	Under Ground				RP Address:	
Facility Status Code:	R				RP City:	
Facility Status:	Registered				RP State:	
Source Code:	CR				RP Zip:	
Source:	Contractor				RP Area Code:	
No Tanks Upgraded:	0				RP Phone Prefix:	
No Observe Wells:	0				RP Phone Suffix:	
Regist Start Date:	10/1/1995				RP Undeliverable:	No
Regist End Date:	9/30/2004				County Code:	19
Date Received:	4/24/1986				County Name:	BOONE
Archive Date:					Geo Owner:	5
Date Certif Printed:					Geo Owner Desc:	Hazardous Waste Program
Certificate Printed:	No				Geo Collected By:	CON_Fortin,Joel
New Facility:	No				Date Collected:	3/5/2014
Due Contract Insp:	No				Horiz Coll Meth Code:	I2
Create Invoice:	No				Horiz Coll Meth Desc:	Interpolation from photography
Receipt:	No				Horiz Coll Type Desc:	Interpolation
Archive:	No				Horiz Accuracy Est:	12.2
House Bill:	No				PDOP:	
Label Printed:	No				Score:	
Moratorium:	No				Source Map Scale:	24000
Deliv Mail to Own:	No				Horiz Acc U of Meas:	Meters
Non Deliverable:	No				Geo Type:	POINT
Contact:	GARY ANDERSON				Datum:	NAD83
Area Code:					Region:	NE
Phone Prefix:					Easting:	559180.4177
Phone Suffix:					Northing:	4313112.132593
Zip Extension:					UTM Zone:	15
Signer:	LOWELL B PATTERSON				Verified:	Yes
Signer Title:					Source Y:	38.9649790213046
Ref Pt Code:	CO				Source X:	-92.3168983083682
Ref Pt:	Center of Operations					
Title:	PP SUPV					
Email Address:						

Tanks Information

Tank PK:	1887				Admin 585:	
Tank ID:	1				Installer:	
IFR No:					Installer Address:	
Owner ID:	OW00682				Installer City:	
Tank Type:	B				Installer State:	
Tank Type Desc:	Below Ground				Installer Zip:	
Status:	R				Installer Contact:	
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:					Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	1/1/1998
Tk Int Prot:					Date Closed:	11/9/1998
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	11/9/1998
Tk Int Protect Dt:					Date Closed Null:	No
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	11/9/1998
Tk Ext Prot Other:					Report Received:	2/5/1999
Tk Ext Protect Dt:					Date Received:	10/29/1998
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	NOT SPECIFIED				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Installer Comments:
Comments:

Compartments Information

Tank Compart PK:	1887	Pipe Double Wall:	No
Compartment No:	1	Mixture:	0
CAS No:		Substance:	D
Compartment Status:	R	Tk Substance Desc:	Diesel
Tank Status Desc:	Removed	Substance Other:	
Capacity:	15000	Hazard Substance:	
Pipe Installer:		Tanks Use:	No
Pipe Install Date:		Comp Lockout Flag:	No
Pipe System:		Spill Protection:	No
Tank Pipe Sys Desc:		Spill Protection Wall:	
Pipe Material:	0	Tank Top:	
Pipe Material Desc:	Unknown	Sub Dispensor:	
Pipe Mat Other:		Disp Conn Fit Prot:	
Pipe Protection:		Tk Top Conn Fit Prot:	
Pipe Protect Desc:		Throughput:	
Pipe Protect Date:		Date of Last Use:	1/1/1998

Owners Information

Owner ID:	OW00682	State:	MO
Active:	Yes	Zip:	65201
Non Deliverable:	No	Zip Extension:	4461
Date Received:		County:	19
Name:	CITY OF COLUMBIA	Area Code:	573
Address:	600 EAST WALNUT STREET CO S STENGER	Phone Prefix:	874
City:	COLUMBIA	Phone Suffix:	7325

Missouri Environmental Site Tracking and Research Tool (E-START)

AUL ID:		Closure Guidance:	1996 CGD
Remed ID:	R006321 Inactive	Contamins:	Petroleum constituents
Fac Status:	Facility Closed Prior to Implementation of 2004 Tanks RBCA	Use Limits:	
Fac Type:	Former Underground Storage Tank Facilities	Site Ownership:	DNR/Hazardous Waste Program/Tanks Section
Facility Name:	POWER PLANT	Summary:	A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. Please review the Department of Natural Resources site file for more information.

<u>3</u>	3 of 8	WNW	0.11 / 583.45	762.48 / 4	POWER PLANT 1501 BUSINESS LOOP 70 E COLUMBIA MO 65205	LST
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Facility ID:	ST0000758	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	CR	RP Zip:	
Source:	Contractor	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
No Observe Wells:	0				RP Phone Suffix:	
Regist Start Dt:	10/1/1995				RP Undeliverable:	No
Regist End Dt:	9/30/2004				County Code:	19
Date Received:	4/24/1986				County Name:	BOONE
Archive Date:					Zip Extension:	
Dt Certif Printed:					Region:	NE
Certificate Printed:	No				Easting:	559180.4177
Create Invoice:	No				Northing:	4313112.132593
Receipt:	No				Geo Owner:	5
Archive:	No				Geo Owner Desc:	Hazardous Waste Program
House Bill:	No				Geo Collected By:	CON_Fortin,Joel
Label Printed:	No				Date Collected:	3/5/2014
Moratorium:	No				Horiz Coll Meth Code:	I2
New Facility:	No				Horiz Coll Meth Desc:	Interpolation from photography
Due Contract Insp:	No				Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	No				Horiz Accuracy Est:	12.2
Non Deliverable:	No				PDOP:	
Contact:	GARY ANDERSON				Score:	
Title:	PP SUPV				Source Map Scale:	24000
Area Code:					Horiz Acc U of Meas:	Meters
Phone Prefix:					Geo Type:	POINT
Phone Suffix:					Datum:	NAD83
Email Address:					UTM Zone:	15
Signer:	LOWELL B PATTERSON				Verified:	Yes
Signer Title:					Source Y:	38.9649790213046
Ref Pt Code:	CO				Source X:	-92.3168983083682
Ref Pt:	Center of Operations					

Remediation Detail(s)

REM ID:	R006321
LTS ID:	
Spill No:	
Active:	No
Rank:	
Release Type:	U
Release Desc:	Below Ground
Release Date:	12/8/1998
Cleanup Start Date:	12/8/1998
Cleanup Finish Date:	10/26/1999
Emerg Resp Date:	
Emerg Cleanup Date:	
No Further Action:	
Next Update:	
Date Closed:	
Expedited Date:	
Archive Date:	
Reopened Date:	
Expedite:	No
RBCANOFA:	No
Archive:	Yes
ARRA:	No
Refer DGLSO Resp:	3
DGLSO Resp Desc:	No
Contractor:	409
Project Manager:	L
LUST 1 Flag:	Yes
LUST 1 Flag Dt:	9/30/2003
LUST 2A Flag:	No
LUST 2A Flag Dt:	
LUST 2B Flag:	Yes
LUST 2B Flag Dt:	9/30/2008
LUST 3A Flag:	No
LUST 3A Flag Dt:	
LUST 3B Flag:	Yes
LUST 3B Flag Dt:	9/30/2008
LUST 4 Flag:	No
LUST 4 Flag Dt:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Moratorium:		0				
No Monitoring Wells:		0				
No Physical R:		No				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:		Source Other Desc:	
REM Cause Desc:		Cause Other Desc:	
REM Tech Desc:	Excavation; Other; Tank Closure	Media Affected:	Soil

<u>3</u>	4 of 8	WNW	0.11 / 583.45	762.48 / 4	Columbia Power Plant 1501 Business LOOP 70East Columbia MO	SPILLS
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Spill No:	0209251530LDA	Property Use Code:	16
Entity ID:	16940	Property Use Desc:	Power Plant
ID:	20417	Prop Subcat ID:	
Discovery Date:	9/25/2002	Prop Subcat Name:	
Discovery Time:		RP Contact:	24335
Cause Subcat ID:	8	Regional Office:	JCRO
Cause Description:	Operator Error	Agency:	Private - Responsible Party
Cause Subcat Name:		Contact Name:	John Gerke
Incident Cause:	13	Contacts Phone:	5738746241
Incident City:	Columbia	Organization Name:	Columbia Power Plant
Incident State:	46	Org Phone:	5738746241
Incident Dt Search:	9/25/2002	Address 1:	1501 Bus Loop 70e
Incident Date:		Address 2:	
Incident Time:		City:	Columbia
Issuer:		State:	46
Issue Date:		State Ref Desc:	MO
Issue Time:		Zip:	
Issuer Ref Desc:		Call Date:	9/25/2002
Collection Box:		Call Time:	9/25/2002 3:30:00 PM
E-Mail:	No	Latitude:	38.9639015197754
Contaminant Rel:	No	Longitude:	-92.3178024291992
Chemical Pickup:	No	GPS Method Code:	AO
Household Haz Waste:	No	UTM Northing:	4312991.97303554
Historic Release:	No	UTM Easting:	559102.983857599
PSTIF:	No	UTM Zone:	15
Haz Sub Issued:	No	UTM EPE:	
County Code:	19	Report Origin:	68
County:	Boone	Job Code:	
Incident Location:	1501 Business LOOP 70East		
Description:	Address Matching - Other Address Matching		
Additional Info:			

Spill Summary:

THE CALLER REPORTS THAT OIL WAS SPILLED TO A SEWER LEADING TO OUTFALL #1.

Response Summary:

THE EER WAS INFORMED THAT A CLEANUP WILL BE PERFORMED.

Additional Information:

THE CALLER REPORTED THAT ATTEMPTS WILL BE MADE TO PREVENT THE MATERIAL FROM ENTERING THE OUTFALL INTO BEAR CREEK.

Responding Agencies

ID:	15927	Agency:	Private - Responsible Party
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Agent Code:	68				Immediate/Delayed:	I

3 5 of 8 **WNW** 0.11 / 583.45 762.48 / 4 **City of Columbia Power & Light 1501 Business Loop 70 East Columbia MO** **SPILLS**

Spill No:	1005051305BJA	Property Use Code:	16
Entity ID:	2389	Property Use Desc:	Power Plant
ID:	42752	Prop Subcat ID:	
Discovery Date:	5/5/2010	Prop Subcat Name:	
Discovery Time:	5/5/2010 12:00:00 PM	RP Contact:	37938
Cause Subcat ID:		Regional Office:	NERO
Cause Description:	Mech. Malfunction/Failure	Agency:	Local - Public Works
Cause Subcat Name:		Contact Name:	John Blakemore
Incident Cause:	11	Contacts Phone:	5738747313
Incident City:	Columbia	Organization Name:	City of Columbia Power & Light
Incident State:	46	Org Phone:	5738746373
Incident Dt Search:	5/5/2010	Address 1:	PO Box N
Incident Date:	5/5/2010	Address 2:	
Incident Time:	5/5/2010 12:00:00 PM	City:	Columbia
Issuer:		State:	46
Issue Date:		State Ref Desc:	MO
Issue Time:		Zip:	65205
Issuer Ref Desc:		Call Date:	5/5/2010
Collection Box:		Call Time:	5/5/2010 1:05:00 PM
E-Mail:	No	Latitude:	38.9648094177246
Contaminant Rel:	No	Longitude:	-92.3181304931641
Chemical Pickup:	No	GPS Method Code:	AO
Household Haz Waste:	No	UTM Northing:	4313092.57651
Historic Release:	No	UTM Easting:	559073.849582
PSTIF:	No	UTM Zone:	15
Haz Sub Issued:	No	UTM EPE:	0
County Code:	19	Report Origin:	62
County:	Boone	Job Code:	
Incident Location:	1501 Business Loop 70 East		
Description:	Address Matching - Other Address Matching		
Additional Info:			

The caller reports 50-75 gallons of lubricating oil were released from a gasoline turbine generator at the city power plant. The oil migrated across the parking lot to Edison Street and along the curb. The release was stopped and city personnel took measures to prevent any oil entering a downgradient storm drain using absorbent boom and pads. Absorbents are being applied to the oil and all spent materials will be recovered for proper disposal.

No further actions warranted by EER.

Responding Agencies

ID:	33217	Agency:	Local - Public Works
Agent Code:	62	Immediate/Delayed:	I

3 6 of 8 **WNW** 0.11 / 583.45 762.48 / 4 **City of Columbia 1501 BUS LOOP 70 East Columbia MO** **SPILLS**

Spill No:	9609261630DLT	Property Use Code:	16
Entity ID:	2114	Property Use Desc:	Power Plant
ID:	4960	Prop Subcat ID:	
Discovery Date:	9/26/1996	Prop Subcat Name:	
Discovery Time:	9/26/1996 4:20:00 PM	RP Contact:	7136
Cause Subcat ID:	4	Regional Office:	JCRO
Cause Description:	Leaking Tank System	Agency:	Private - Responsible Party
Cause Subcat Name:		Contact Name:	City of Columbia
Incident Cause:	10	Contacts Phone:	5738746236
Incident City:	Columbia	Organization Name:	City of Columbia
Incident State:	46	Org Phone:	5734459427
Incident Dt Search:	9/26/1996	Address 1:	1501 Business Loop 70 East

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Incident Date:					Address 2:	
Incident Time:					City:	Columbia
Issuer:					State:	46
Issue Date:					State Ref Desc:	MO
Issue Time:					Zip:	65205
Issuer Ref Desc:					Call Date:	9/26/1996
Collection Box:					Call Time:	9/26/1996 4:30:00 PM
E-Mail:	No				Latitude:	
Contaminant Rel:	No				Longitude:	
Chemical Pickup:	No				GPS Method Code:	
Household Haz Waste:	No				UTM Northing:	
Historic Release:	No				UTM Easting:	
PSTIF:	No				UTM Zone:	
Haz Sub Issued:	No				UTM EPE:	
County Code:	19				Report Origin:	68
County:	Boone				Job Code:	
Incident Location:		1501 BUS LOOP 70 East				
Description:						
Additional Info:						

Spill Summary:

CALLER REPORTS THAT A PENCIL SIZE HOLE IN AN ABOVE GROUND STORAGE TANK RESULTED IN THE RELEASE OF APPROXIMATELY 200 GALLONS OF 98% SULFURIC ACID.

Response Summary:

THE RP IS TAKING STEPS TO HALT THE RELEASE AND HAS DIKED THE RELEASED PRODUCT. THE SULFURIC ACID WILL BE NEUTRALIZED WITH SODA ASH.

Responding Agencies

ID:	4770	Agency:	Private - Responsible Party
Agent Code:	68	Immediate/Delayed:	I

<u>3</u>	7 of 8	WNW	0.11 / 583.45	762.48 / 4	City of Columbia 1501 Business LOOP 70 Columbia MO	SPILLS
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Spill No:	9812081438ADC	Property Use Code:	18
Entity ID:	2114	Property Use Desc:	Public Property
ID:	8867	Prop Subcat ID:	
Discovery Date:	12/8/1998	Prop Subcat Name:	
Discovery Time:	12/8/1998 10:00:00 AM	RP Contact:	12431
Cause Subcat ID:	4	Regional Office:	JCRO
Cause Description:	Leaking Tank System	Agency:	Private - Responsible Party Contractor
Cause Subcat Name:		Contact Name:	Eric Evans
Incident Cause:	10	Contacts Phone:	5736288743
Incident City:	Columbia	Organization Name:	City of Columbia
Incident State:	46	Org Phone:	5734459427
Incident Dt Search:	12/8/1998	Address 1:	1501 Business Loop 70 East
Incident Date:		Address 2:	
Incident Time:		City:	Columbia
Issuer:		State:	46
Issue Date:		State Ref Desc:	MO
Issue Time:		Zip:	65205
Issuer Ref Desc:		Call Date:	12/8/1998
Collection Box:		Call Time:	12/8/1998 2:38:00 PM
E-Mail:	No	Latitude:	
Contaminant Rel:	No	Longitude:	
Chemical Pickup:	No	GPS Method Code:	
Household Haz Waste:	No	UTM Northing:	
Historic Release:	No	UTM Easting:	
PSTIF:	No	UTM Zone:	
Haz Sub Issued:	No	UTM EPE:	
County Code:	19	Report Origin:	69

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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County: Boone Job Code:
 Incident Location: 1501 Business LOOP 70
 Description:
 Additional Info:

Spill Summary:

CALLER REPORTS DISCOVERING HISTORIC CONTAMINATION DURING TANK CLOSURE ACTIVITIES.

Response Summary:

THE RP'S CONTRACTOR IS EXCAVATING THE SOIL AND COLLECTING SAMPLES PER CLOSURE GUIDELINES. EER REFERRED THIS INFORMATION TO HWP/TANKS SECTION.

<u>3</u>	8 of 8	WNW	0.11 / 583.45	762.48 / 4	Columbia Municipal Power Plant 1501 Business Loop 70 East Columbia MO 65201	TIER 2
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Dun And Brad No:	71989024	County:	Boone
NAICS Code:	221112	Latitude Degrees:	38
TRI Number:	65205CLMBM1501B	Latitude Minutes:	57
Fac Infrmtn Year:	2017	Latitude Seconds:	57
Explosive Listed:	FALSE	Longitude Degrees:	92
Facility State:	MO	Longitude Minutes:	19
Facility Zip:	65201	Longitude Seconds:	3

Facility Information

Fac Info Create By:	mkjackson	Facility Email:	Christian.Johanningmeier@como.gov
Fac Info Create Dt:	2/27/2018	Facility Phone:	573-874-6236
Fac Info Modify Dt:	4/27/2018	Facility Fax:	573-874-1583
Facility Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Mailing Information

Mailing Name:	Columbia Municipal Power Plant	Mailing State:	MO
Mailing Street:	P.O. Box 6015	Mailing Zip:	65205-6015
Mailing City:	Columbia		

Owner Information

Owner Name:	City of Columbia, Missouri	Owner Street:	P.O. Box 6015
Owner Phone:	573-874-6236	Owner City:	Columbia
Owner Fax:	573-874-1583	Owner State:	MO
Owner Email:	Christian.Johanningmeier@como.gov	Owner Zip:	65205-6015

Reg Information

Reg Name:	Columbia Municipal Power Plant	Reg Street:	1501 Business Loop 70 East
Reg Phone:	573-874-6236	Reg City:	Columbia
Reg Fax:	573-874-1583	Reg State:	MO
Reg Email:	Christian.Johanningmeier@como.gov	Reg Zip:	65201

Emergency Information

Emergency1 Title:	Plant Operator	Emergency2 Title:	Prod Superintendent
Emergency1 Name:	Control Room	Emergency2 Name:	Christian J. Johanningmeier, PE
Emergency1 Phone:	573-874-6241	Emergency2 Phone:	573-874-6236
Emergency1 Phone24:	573-874-6239	Emergency2 Phone24:	573-673-9974
Emergency1 Fax:	573-499-0437	Emergency2 Fax:	573-874-1583
Emergency1 Email:		Emergency2 Email:	Christian.Johanningmeier@como.gov

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Emergency1 Street:	1501 Business Loop 70 East				Emergency2 Street:	1501 Business Loop 70 East
Emergency1 City:	Columbia				Emergency2 City:	Columbia
Emergency1 State:	MO				Emergency2 State:	MO
Emergency1 Zip:	65201				Emergency2 Zip:	65201

Contact Information

Contact Info Year:	2017	Cntct Info Cret Dt:	2/27/2018
Cntct Info Cret By:	mkjackson	Cntct Info Mdfy Dt:	2/28/2018
Contact Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Chemical Information

Fire Dept:	Columbia Fire Dept.	Solid:	FALSE
SIC Code:	4911	Liquid:	TRUE
Land Owner:	Local Government	Gas:	FALSE
Fillin Name:	Marla Jackson	EHS:	FALSE
Fillini Title:	Admin Tech	EHS Name:	sulfuric acid
Fillin Phone:	573-874-6244	Max Daily Amount:	7
Is Complete:	TRUE	Average Daily Amt:	7
On Site Chemcls Yr:	2017	No of Days on Site:	365
On Site Chemical:	1	Trade Secret:	FALSE
GAS Number:	7664-93-9	Optional Report:	FALSE
Chemical Name:	sulfuric acid	Storage Year:	2017
Fire:	FALSE	Container Code:	A
Reactivity:	TRUE	Pressure Code:	1
Immediate :	TRUE	Temperature Code:	4
Delayed:	FALSE	Storage Create Date:	2/27/2018
Pure:	FALSE	Storage Created By:	mkjackson
Mix:	TRUE	Storage Modify Date:	2/27/2018
On Site Chemicals Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage On Site Chemicals ID:	1		
Location :	west side of Plant by cooling towers		
Sudden Rate of Pressure:	FALSE		
On Site Chemicals Create Date:	2/27/2018		
On Site Chemicals Created By:	mkjackson		
On Site Chemicals Modify Date:	2/27/2018		

Facility Information

Fac Info Create By:	mkjackson	Facility Email:	Christian.Johanningmeier@como.gov
Fac Info Create Dt:	2/27/2018	Facility Phone:	573-874-6236
Fac Info Modify Dt:	4/27/2018	Facility Fax:	573-874-1583
Facility Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Mailing Information

Mailing Name:	Columbia Municipal Power Plant	Mailing State:	MO
Mailing Street:	P.O. Box 6015	Mailing Zip:	65205-6015
Mailing City:	Columbia		

Owner Information

Owner Name:	City of Columbia, Missouri	Owner Street:	P.O. Box 6015
Owner Phone:	573-874-6236	Owner City:	Columbia
Owner Fax:	573-874-1583	Owner State:	MO
Owner Email:	Christian.Johanningmeier@como.gov	Owner Zip:	65205-6015

Reg Information

Reg Name:	Columbia Municipal Power Plant	Reg Street:	1501 Business Loop 70 East
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Reg Phone:	573-874-6236	Reg City:	Columbia
Reg Fax:	573-874-1583	Reg State:	MO
Reg Email:	Christian.Johanningmeier@como.gov	Reg Zip:	65201

Emergency Information

Emergency1 Title:	Plant Operator	Emergency2 Title:	Prod Superintendent
Emergency1 Name:	Control Room	Emergency2 Name:	Christian J. Johanningmeier, PE
Emergency1 Phone:	573-874-6241	Emergency2 Phone:	573-874-6236
Emergency1 Phone24:	573-874-6239	Emergency2 Phone24:	573-673-9974
Emergency1 Fax:	573-499-0437	Emergency2 Fax:	573-874-1583
Emergency1 Email:		Emergency2 Email:	Christian.Johanningmeier@como.gov
Emergency1 Street:	1501 Business Loop 70 East	Emergency2 Street:	1501 Business Loop 70 East
Emergency1 City:	Columbia	Emergency2 City:	Columbia
Emergency1 State:	MO	Emergency2 State:	MO
Emergency1 Zip:	65201	Emergency2 Zip:	65201

Contact Information

Contact Info Year:	2017	Cntct Info Cret Dt:	2/27/2018
Cntct Info Cret By:	mkjackson	Cntct Info Mdfy Dt:	2/28/2018
Contact Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Chemical Information

Fire Dept:	Columbia Fire Dept.	Solid:	FALSE
SIC Code:	4911	Liquid:	TRUE
Land Owner:	Local Government	Gas:	FALSE
Fillin Name:	Marla Jackson	EHS:	FALSE
Fillini Title:	Admin Tech	EHS Name:	sulfuric acid
Fillin Phone:	573-874-6244	Max Daily Amount:	7
Is Complete:	TRUE	Average Daily Amt:	7
On Site Chemcls Yr:	2017	No of Days on Site:	365
On Site Chemical:	1	Trade Secret:	FALSE
GAS Number:	7664-93-9	Optional Report:	FALSE
Chemical Name:	sulfuric acid	Storage Year:	2017
Fire:	FALSE	Container Code:	A
Reactivity:	TRUE	Pressure Code:	1
Immediate :	TRUE	Temperature Code:	4
Delayed:	FALSE	Storage Create Date:	2/27/2018
Pure:	FALSE	Storage Created By:	mkjackson
Mix:	TRUE	Storage Modify Date:	2/27/2018
On Site Chemicals Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage On Site Chemicals ID:	1		
Location :	east side of plant by cooling towers		
Sudden Rate of Pressure:	FALSE		
On Site Chemicals Create Date:	2/27/2018		
On Site Chemicals Created By:	mkjackson		
On Site Chemicals Modify Date:	2/27/2018		

Facility Information

Fac Info Create By:	mkjackson	Facility Email:	Christian.Johanningmeier@como.gov
Fac Info Create Dt:	2/27/2018	Facility Phone:	573-874-6236
Fac Info Modify Dt:	4/27/2018	Facility Fax:	573-874-1583
Facility Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Mailing Information

Mailing Name:	Columbia Municipal Power Plant	Mailing State:	MO
Mailing Street:	P.O. Box 6015	Mailing Zip:	65205-6015

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Mailing City: Columbia

Owner Information

Owner Name:	City of Columbia, Missouri	Owner Street:	P.O. Box 6015
Owner Phone:	573-874-6236	Owner City:	Columbia
Owner Fax:	573-874-1583	Owner State:	MO
Owner Email:	Christian.Johanningmeier@como.gov	Owner Zip:	65205-6015

Reg Information

Reg Name:	Columbia Municipal Power Plant	Reg Street:	1501 Business Loop 70 East
Reg Phone:	573-874-6236	Reg City:	Columbia
Reg Fax:	573-874-1583	Reg State:	MO
Reg Email:	Christian.Johanningmeier@como.gov	Reg Zip:	65201

Emergency Information

Emergency1 Title:	Plant Operator	Emergency2 Title:	Prod Superintendent
Emergency1 Name:	Control Room	Emergency2 Name:	Christian J. Johanningmeier, PE
Emergency1 Phone:	573-874-6241	Emergency2 Phone:	573-874-6236
Emergency1 Phone24:	573-874-6239	Emergency2 Phone24:	573-673-9974
Emergency1 Fax:	573-499-0437	Emergency2 Fax:	573-874-1583
Emergency1 Email:		Emergency2 Email:	Christian.Johanningmeier@como.gov
Emergency1 Street:	1501 Business Loop 70 East	Emergency2 Street:	1501 Business Loop 70 East
Emergency1 City:	Columbia	Emergency2 City:	Columbia
Emergency1 State:	MO	Emergency2 State:	MO
Emergency1 Zip:	65201	Emergency2 Zip:	65201

Contact Information

Contact Info Year:	2017	Cntct Info Cret Dt:	2/27/2018
Cntct Info Cret By:	mkjackson	Cntct Info Mdfy Dt:	2/28/2018
Contact Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Chemical Information

Fire Dept:	Columbia Fire Dept.	Solid:	FALSE
SIC Code:	4911	Liquid:	FALSE
Land Owner:	Local Government	Gas:	TRUE
Fillin Name:	Marla Jackson	EHS:	FALSE
Fillini Title:	Admin Tech	EHS Name:	hydrogen
Fillin Phone:	573-874-6244	Max Daily Amount:	2
Is Complete:	TRUE	Average Daily Amt:	2
On Site Chemcls Yr:	2017	No of Days on Site:	365
On Site Chemical:	2	Trade Secret:	FALSE
GAS Number:	1333-74-0	Optional Report:	FALSE
Chemical Name:	hydrogen	Storage Year:	2017
Fire:	TRUE	Container Code:	A
Reactivity:	FALSE	Pressure Code:	2
Immediate :	FALSE	Temperature Code:	4
Delayed:	FALSE	Storage Create Date:	2/27/2018
Pure:	TRUE	Storage Created By:	mkjackson
Mix:	FALSE	Storage Modify Date:	2/27/2018
On Site Chemicals Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage Facility ID:	0A765A381E3B66EF862576B1005F7F3D		
Storage On Site Chemicals ID:	2		
Location :	west side of plant		
Sudden Rate of Pressure:	TRUE		
On Site Chemicals Create Date:	2/27/2018		
On Site Chemicals Created By:	mkjackson		
On Site Chemicals Modify Date:	2/27/2018		

Facility Information

Fac Info Create By:	mkjackson	Facility Email:	Christian.Johanningmeier@como.gov
Fac Info Create Dt:	2/27/2018	Facility Phone:	573-874-6236
Fac Info Modify Dt:	4/27/2018	Facility Fax:	573-874-1583
Facility Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Mailing Information

Mailing Name:	Columbia Municipal Power Plant	Mailing State:	MO
Mailing Street:	P.O. Box 6015	Mailing Zip:	65205-6015
Mailing City:	Columbia		

Owner Information

Owner Name:	City of Columbia, Missouri	Owner Street:	P.O. Box 6015
Owner Phone:	573-874-6236	Owner City:	Columbia
Owner Fax:	573-874-1583	Owner State:	MO
Owner Email:	Christian.Johanningmeier@como.gov	Owner Zip:	65205-6015

Reg Information

Reg Name:	Columbia Municipal Power Plant	Reg Street:	1501 Business Loop 70 East
Reg Phone:	573-874-6236	Reg City:	Columbia
Reg Fax:	573-874-1583	Reg State:	MO
Reg Email:	Christian.Johanningmeier@como.gov	Reg Zip:	65201

Emergency Information

Emergency1 Title:	Plant Operator	Emergency2 Title:	Prod Superintendent
Emergency1 Name:	Control Room	Emergency2 Name:	Christian J. Johanningmeier, PE
Emergency1 Phone:	573-874-6241	Emergency2 Phone:	573-874-6236
Emergency1 Phone24:	573-874-6239	Emergency2 Phone24:	573-673-9974
Emergency1 Fax:	573-499-0437	Emergency2 Fax:	573-874-1583
Emergency1 Email:		Emergency2 Email:	Christian.Johanningmeier@como.gov
Emergency1 Street:	1501 Business Loop 70 East	Emergency2 Street:	1501 Business Loop 70 East
Emergency1 City:	Columbia	Emergency2 City:	Columbia
Emergency1 State:	MO	Emergency2 State:	MO
Emergency1 Zip:	65201	Emergency2 Zip:	65201

Contact Information

Contact Info Year:	2017	Cntct Info Cret Dt:	2/27/2018
Cntct Info Cret By:	mkjackson	Cntct Info Mdfy Dt:	2/28/2018
Contact Information Facility ID:	0A765A381E3B66EF862576B1005F7F3D		

Chemical Information

Fire Dept:	Columbia Fire Dept.	Solid:	FALSE
SIC Code:	4911	Liquid:	TRUE
Land Owner:	Local Government	Gas:	FALSE
Fillin Name:	Marla Jackson	EHS:	FALSE
Fillini Title:	Admin Tech	EHS Name:	Continuum AEC3157
Fillin Phone:	573-874-6244	Max Daily Amount:	3
Is Complete:	TRUE	Average Daily Amt:	3
On Site Chemcls Yr:	2017	No of Days on Site:	365
On Site Chemical:	3	Trade Secret:	FALSE
GAS Number:	202420-04-0	Optional Report:	FALSE
Chemical Name:	chlorotolyltriazole sodium salt	Storage Year:	2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fire:	FALSE				Container Code: A	
Reactivity:	FALSE				Pressure Code: 1	
Immediate :	TRUE				Temperature Code: 4	
Delayed:	FALSE				Storage Create Date: 2/27/2018	
Pure:	FALSE				Storage Created By: mkjackson	
Mix:	TRUE				Storage Modify Date: 2/27/2018	
On Site Chemicals Facility ID:	0A765A381E3B66EF862576B1005F7F3D					
Storage Facility ID:	0A765A381E3B66EF862576B1005F7F3D					
Storage On Site Chemicals ID:	3					
Location :	Unit 8 basement					
Sudden Rate of Pressure:	FALSE					
On Site Chemicals Create Date:	2/27/2018					
On Site Chemicals Created By:	mkjackson					
On Site Chemicals Modify Date:	2/27/2018					

4 1 of 5 **WNW** 0.13 / 676.11 758.60 / 0 **Columbia Parking Lot** 1514 Business Loop 70 East Columbia MO 65205 **HWCP**

AUL ID: **Easting:** 559261.760000000009313
OU ID: 423 **Northing:** 4312891.799999999813735
SMARS ID: 10411 **Horiz Ref Datum:** NAD83
Federal ID: **Hor Collec Meth C:** I2
Site Status: Completed **Hor Accu Units of M:** Meters
Sensitive: FALSE **Hor Accu Est:** 12.1999998
Redev Showcase Dt: **Source Map Scale No:** 24000
Redev Showcase: **Point Dilution of Prec:**
County: Boone
Site Facility Name: Columbia Parking Lot
Address: 1514 Business Loop 70 East
DNR Web Page Link:
DNR Program: DNR/Hazardous Waste Program/Superfund Section
Site Alias:
Contaminants of Concern:
Activity Use Limitations:
Site Status Description: Sites where previous concerns about contamination should no longer be an issue because of removal of waste and contamination or investigation results that demonstrate that contamination is now below levels considered suitable for unrestricted use.

Site Cleanup Summary:

Site Background History:

The site, located in Boone County, is the location of the City of Columbia's Water and Light Distribution Headquarters. The site was brought to the attention of the Missouri Department of Natural Resources' (the department) Superfund Section by the Missouri Department of Health in December 1996, when they received allegations that transformers and/or capacitors, possibly containing polychlorinated biphenyls (PCBs), had been buried beneath the pavement at the site during the late 1970s. Department personnel conducted a Pre-CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) Site Screening investigation at the site on August 28, 1997. Department personnel were informed that buried capacitor banks were situated beneath and adjacent to the south side of the large, metal storage building, which is now a storage yard and not a parking lot. Soil samples at the site revealed low levels of PCBs below health-based benchmarks. Based on investigation conclusions, no further investigation or action under CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act of 1980) was recommended. No cleanup activities were required at the site.

4 2 of 5 **WNW** 0.13 / 676.11 758.60 / 0 **HEUCHAN BUILDING** 1514 BUS LOOP 70 E COLUMBIA MO 65201 **UST**

Facility ID: ST0000757 **Property Owner:**
Active: No **RP Name:**
Facility Type Code: U **RP Contact:**
Facility Type: Under Ground **RP Address:**
Facility Status Code: R **RP City:**
Facility Status: Registered **RP State:**
Source Code: N2 **RP Zip:**
Source: Public Drinking Water Program **RP Area Code:**
No Tanks Upgraded: 0 **RP Phone Prefix:**
No Observe Wells: 0 **RP Phone Suffix:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Regist Start Date:	10/1/1995				RP Undeliverable:	No
Regist End Date:	9/30/2001				County Code:	19
Date Received:	4/24/1986				County Name:	BOONE
Archive Date:					Geo Owner:	5
Date Certif Printed:					Geo Owner Desc:	Hazardous Waste Program
Certificate Printed:	No				Geo Collected By:	CARES
New Facility:	No				Date Collected:	8/25/2000
Due Contract Insp:	No				Horiz Coll Meth Code:	I2
Create Invoice:	No				Horiz Coll Meth Desc:	Interpolation from photography
Receipt:	No				Horiz Coll Type Desc:	Interpolation
Archive:	No				Horiz Accuracy Est:	12.2
House Bill:	No				PDOP:	
Label Printed:	No				Score:	
Moratorium:	No				Source Map Scale:	24000
Deliv Mail to Own:	No				Horiz Acc U of Meas:	Meters
Non Deliverable:	No				Geo Type:	POINT
Contact:	BEN JOHNSTON				Datum:	NAD83
Area Code:					Region:	NE
Phone Prefix:					Easting:	559207.326501
Phone Suffix:					Northing:	4312970.39068
Zip Extension:					UTM Zone:	15
Signer:	LOWELL B PATTERSON				Verified:	Yes
Signer Title:					Source Y:	38.9636999991747
Ref Pt Code:	BL				Source X:	-92.3166000000087
Ref Pt:	Building					
Title:		SUBSTN SUP				
Email Address:						

Tanks Information

Tank PK:	1885				Admin 585:	
Tank ID:	2				Installer:	
IFR No:					Installer Address:	
Owner ID:	OW00682				Installer City:	
Tank Type:	B				Installer State:	
Tank Type Desc:	Below Ground				Installer Zip:	
Status:	R				Installer Contact:	
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:					Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	1/1/1998
Tk Int Prot:					Date Closed:	12/15/1998
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	11/6/1998
Tk Int Protect Dt:					Date Closed Null:	No
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	
Tk Ext Prot Other:					Report Received:	
Tk Ext Protect Dt:					Date Received:	10/29/1998
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	NOT SPECIFIED				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compart PK:	1885				Pipe Double Wall:	No
Compartment No:	1				Mixture:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
CAS No:					Substance:	D
Compartment Status:	R				Tk Substance Desc:	Diesel
Tank Status Desc:	Removed				Substance Other:	
Capacity:	10000				Hazard Substance:	
Pipe Installer:					Tanks Use:	No
Pipe Install Date:					Comp Lockout Flag:	No
Pipe System:					Spill Protection:	No
Tank Pipe Sys Desc:					Spill Protection Wall:	
Pipe Material:	2				Tank Top:	
Pipe Material Desc:	Fiberglass(FRP)				Sub Dispensor:	
Pipe Mat Other:					Disp Conn Fit Prot:	
Pipe Protection:					Tk Top Conn Fit Prot:	
Pipe Protect Desc:					Throughput:	
Pipe Protect Date:					Date of Last Use:	1/1/1998

Tanks Information

Tank PK:	1884				Admin 585:	
Tank ID:	1				Installer:	
IFR No:					Installer Address:	
Owner ID:	OW00682				Installer City:	
Tank Type:	B				Installer State:	
Tank Type Desc:	Below Ground				Installer Zip:	
Status:	R				Installer Contact:	
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:					Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	1/1/1998
Tk Int Prot:					Date Closed:	12/15/1998
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	11/6/1998
Tk Int Protect Dt:					Date Closed Null:	No
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	
Tk Ext Prot Other:					Report Received:	
Tk Ext Protect Dt:					Date Received:	10/29/1998
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	NOT SPECIFIED				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compart PK:	1884				Pipe Double Wall:	No
Compartment No:	1				Mixture:	0
CAS No:					Substance:	U
Compartment Status:	R				Tk Substance Desc:	Gasoline, Including Blends
Tank Status Desc:	Removed				Substance Other:	
Capacity:	10000				Hazard Substance:	
Pipe Installer:					Tanks Use:	No
Pipe Install Date:					Comp Lockout Flag:	No
Pipe System:					Spill Protection:	No
Tank Pipe Sys Desc:					Spill Protection Wall:	
Pipe Material:	2				Tank Top:	
Pipe Material Desc:	Fiberglass(FRP)				Sub Dispensor:	
Pipe Mat Other:					Disp Conn Fit Prot:	
Pipe Protection:					Tk Top Conn Fit Prot:	
Pipe Protect Desc:					Throughput:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Pipe Protect Date: Date of Last Use: 1/1/1998

Tanks Information

Tank PK:	1886	Admin 585:	
Tank ID:	3	Installer:	
IFR No:		Installer Address:	
Owner ID:	OW00682	Installer City:	
Tank Type:	B	Installer State:	
Tank Type Desc:	Below Ground	Installer Zip:	
Status:	R	Installer Contact:	
Tank Status Desc:	Removed	Installer Phone:	
Tank Install Date:		Installer Fax:	
Tank Material:	1	Email:	
Tank Material Desc:	Steel	Closure Proj Mngr:	
Tank Mat Other:		Date of Last Use:	9/1/1992
Tk Int Prot:		Date Closed:	10/21/1993
Tk Int Prot Desc:		Expected in Use Dt:	
Tk Int Prot Other:		No Further Act Dt:	10/21/1993
Tk Int Protect Dt:		Date Closed Null:	No
Tk Ext Prot:		Date Admin Closed:	
Tk Ext Prot Desc:		Approval Letter:	10/21/1993
Tk Ext Prot Other:		Report Received:	2/5/1999
Tk Ext Protect Dt:		Date Received:	8/10/1993
Tank Double Wall:	No	Reg End Date:	
Tank Material Man:		UST 1 Flag:	Yes
Tank Mat Man Name:		UST 1 Flag Date:	9/30/2003
Tanks Use:	No	UST 2 Flag:	Yes
Tank Fees Waived:	No	UST 2 Flag Date:	9/30/2003
Firm Name:	MIDWEST ENVIRONMENTAL	UST 3 Flag:	No
Expidite:	No	UST 3 Flag Date:	
Lockout Flag:	0		
Installer Name:			
Installer Comments:			
Comments:			

1-1000 GAL GAS

Compartments Information

Tank Comp Part PK:	1886	Pipe Double Wall:	No
Compartment No:	1	Mixture:	0
CAS No:		Substance:	D
Compartment Status:	R	Tk Substance Desc:	Diesel
Tank Status Desc:	Removed	Substance Other:	
Capacity:	1000	Hazard Substance:	
Pipe Installer:		Tanks Use:	No
Pipe Install Date:		Comp Lockout Flag:	No
Pipe System:		Spill Protection:	No
Tank Pipe Sys Desc:		Spill Protection Wall:	
Pipe Material:	1	Tank Top:	
Pipe Material Desc:	Steel	Sub Dispensor:	
Pipe Mat Other:		Disp Conn Fit Prot:	
Pipe Protection:		Tk Top Conn Fit Prot:	
Pipe Protect Desc:		Throughput:	
Pipe Protect Date:		Date of Last Use:	9/1/1992

Owners Information

Owner ID:	OW00682	State:	MO
Active:	Yes	Zip:	65201
Non Deliverable:	No	Zip Extension:	4461
Date Received:		County:	19
Name:	CITY OF COLUMBIA	Area Code:	573
Address:	600 EAST WALNUT STREET CO S	Phone Prefix:	874

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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City:	STENGER COLUMBIA				Phone Suffix:	7325
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Missouri Environmental Site Tracking and Research Tool (E-START)

AUL ID:		Closure Guidance:	1992 CGD
Remed ID:	R004256 Inactive	Contamins:	Petroleum constituents
Fac Status:	Facility Closed Prior to Implementation of 2004 Tanks RBCA	Use Limits:	
Fac Type:	Former Underground Storage Tank Facilities	Site Ownership:	DNR/Hazardous Waste Program/Tanks Section
Facility Name:	HEUCHAN BUILDING	Summary:	A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. Please review the Department of Natural Resources site file for more information.

<u>4</u>	3 of 5	WNW	0.13 / 676.11	758.60 / 0	HEUCHAN BUILDING 1514 BUS LOOP 70 E COLUMBIA MO 65201	LST
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Facility ID:	ST0000757	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	N2	RP Zip:	
Source:	Public Drinking Water Program	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:	10/1/1995	RP Undeliverable:	No
Regist End Dt:	9/30/2001	County Code:	19
Date Received:	4/24/1986	County Name:	BOONE
Archive Date:		Zip Extension:	
Dt Certif Printed:		Region:	NE
Certificate Printed:	No	Easting:	559207.326501
Create Invoice:	No	Northing:	4312970.39068
Receipt:	No	Geo Owner:	5
Archive:	No	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	CARES
Label Printed:	No	Date Collected:	8/25/2000
Moratorium:	No	Horiz Coll Meth Code:	I2
New Facility:	No	Horiz Coll Meth Desc:	Interpolation from photography
Due Contract Insp:	No	Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	No	Horiz Accuracy Est:	12.2
Non Deliverable:	No	PDOP:	
Contact:	BEN JOHNSTON	Score:	
Title:	SUBSTN SUP	Source Map Scale:	24000
Area Code:		Horiz Acc U of Meas:	Meters
Phone Prefix:		Geo Type:	POINT
Phone Suffix:		Datum:	NAD83
Email Address:		UTM Zone:	15
Signer:	LOWELL B PATTERSON	Verified:	Yes
Signer Title:		Source Y:	38.9636999991747
Ref Pt Code:	BL	Source X:	-92.3166000000087
Ref Pt:	Building		

Remediation Detail(s)

REM ID:	R004256
LTS ID:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Spill No:						
Active:		No				
Rank:		U				
Release Type:		Below Ground				
Release Desc:		11/29/1993				
Release Date:		11/29/1993				
Cleanup Start Date:		1/14/1994				
Cleanup Finish Date:						
Emerg Resp Date:						
Emerg Cleanup Date:						
No Further Action:						
Next Update:						
Date Closed:						
Expedited Date:						
Archive Date:						
Reopened Date:						
Expidite:		No				
RBCANOFA:		No				
Archive:		Yes				
ARRA:		No				
Refer DGLSO Resp:						
DGLSO Resp Desc:						
Contractor:		409				
Project Manager:		L				
LUST 1 Flag:		Yes				
LUST 1 Flag Dt:		9/30/2003				
LUST 2A Flag:		Yes				
LUST 2A Flag Dt:		9/30/2003				
LUST 2B Flag:		No				
LUST 2B Flag Dt:						
LUST 3A Flag:		Yes				
LUST 3A Flag Dt:		9/30/2003				
LUST 3B Flag:		No				
LUST 3B Flag Dt:						
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:		0				
No Monitoring Wells:		0				
No Physical R:		No				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:		Source Other Desc:
REM Cause Desc:		Cause Other Desc:
REM Tech Desc:	Excavation; Tank Closure	Media Affected:

<u>4</u>	4 of 5	WNW	0.13 / 676.11	758.60 / 0	Columbia Parking Lot 1514 Business Loop 70 East Columbia MO 65205	SMAR
SM No:	10411			Site Code:	8914	
Tank Status:				Other Site Code:		
Type S:	Yes			CERCLIS:		
Type V:	No			NPL Date:		
Type F:	No			Tank R:		
Type R:	No			Registry:	No	
Ownership:	Superfund			Site County:	Boone	

<u>4</u>	5 of 5	WNW	0.13 / 676.11	758.60 / 0	WTR & LGT DEPT 1514 BUSINESS LOOP 70 EAST COLUMBIA MO 65201	PCB
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site ID:	MOD985772953				Mail Address 1:	PO BOX N
Receive Date:					Mail Address 2:	
Generator:	Yes				Mail Street No:	
Storer:	No				Mail City:	COLUMBIA
Transporter:	No				Mail State:	MO
Disposer:	No				Mail Zip:	65205
Research:	No				Mail Country:	US
Smelter:	No				Contact Name:	RONALD POWELL
Cert Title:					Contact Title:	
Cert Date:	1990-03-26T00:00:00.000-05:00				Contact Phone:	000-000-0000
Cert Name:					Contact Phone Ext:	
Location Country:	US				Contact Email:	
State Name:	MISSOURI				Owner Name:	COLUMBIA CY OF
Region:	07					

5 1 of 1 **ESE** 0.16 / 855.76 780.03 / 21 **CONSOLIDATED FREIGHTWAYS**
1715 PARIS RD **UST**
COLUMBIA MO 65201

Facility ID:	ST0018801	Property Owner:	COLSOLIDATED FREIGHTWAYS
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:		RP Zip:	
Source:		RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Date:	10/1/1999	RP Undeliverable:	No
Regist End Date:	9/30/2004	County Code:	19
Date Received:	6/3/1996	County Name:	BOONE
Archive Date:	10/23/2006	Geo Owner:	5
Date Certif Printed:		Geo Owner Desc:	Hazardous Waste Program
Certificate Printed:	No	Geo Collected By:	VANCE, S
New Facility:	No	Date Collected:	8/27/2013
Due Contract Insp:	No	Horiz Coll Meth Code:	A1
Create Invoice:	No	Horiz Coll Meth Desc:	House Number
Receipt:	No	Horiz Coll Type Desc:	Address Matching
Archive:	Yes	Horiz Accuracy Est:	
House Bill:	Yes	PDOP:	
Label Printed:	No	Score:	100
Moratorium:	No	Source Map Scale:	
Deliv Mail to Own:	No	Horiz Acc U of Meas:	
Non Deliverable:	No	Geo Type:	
Contact:	LYNNE CARLSON	Datum:	
Area Code:		Region:	NE
Phone Prefix:		Easting:	559548.53
Phone Suffix:		Northing:	4312866.42
Zip Extension:		UTM Zone:	
Signer:	LYNNE CARLSON	Verified:	No
Signer Title:	MGR-ENVPRO	Source Y:	
Ref Pt Code:		Source X:	
Ref Pt:			
Title:	MGR - ENV PROG		
Email Address:			

Tanks Information

Tank PK:	35507	Admin 585:	
Tank ID:	1	Installer:	
IFR No:		Installer Address:	
Owner ID:	OW20111	Installer City:	
Tank Type:	B	Installer State:	
Tank Type Desc:	Below Ground	Installer Zip:	
Status:	R	Installer Contact:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:					Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	
Tk Int Prot:					Date Closed:	6/26/1998
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	6/26/1998
Tk Int Protect Dt:					Date Closed Null:	No
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	6/26/1998
Tk Ext Prot Other:					Report Received:	4/28/1997
Tk Ext Protect Dt:					Date Received:	5/21/1996
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	BLYMER ENGINEERS INC				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compart PK:	35505				Pipe Double Wall:	No
Compartment No:	1				Mixture:	0
CAS No:					Substance:	D
Compartment Status:	R				Tk Substance Desc:	Diesel
Tank Status Desc:	Removed				Substance Other:	
Capacity:	1000				Hazard Substance:	
Pipe Installer:					Tanks Use:	No
Pipe Install Date:					Comp Lockout Flag:	No
Pipe System:	0				Spill Protection:	No
Tank Pipe Sys Desc:	Suction				Spill Protection Wall:	
Pipe Material:	1				Tank Top:	
Pipe Material Desc:	Steel				Sub Dispensor:	
Pipe Mat Other:					Disp Conn Fit Prot:	
Pipe Protection:					Tk Top Conn Fit Prot:	
Pipe Protect Desc:					Throughput:	
Pipe Protect Date:					Date of Last Use:	

Tanks Information

Tank PK:	35508				Admin 585:	
Tank ID:	2				Installer:	
IFR No:					Installer Address:	
Owner ID:	OW20111				Installer City:	
Tank Type:	B				Installer State:	
Tank Type Desc:	Below Ground				Installer Zip:	
Status:	R				Installer Contact:	
Tank Status Desc:	Removed				Installer Phone:	
Tank Install Date:					Installer Fax:	
Tank Material:	1				Email:	
Tank Material Desc:	Steel				Closure Proj Mngr:	
Tank Mat Other:					Date of Last Use:	
Tk Int Prot:					Date Closed:	6/26/1998
Tk Int Prot Desc:					Expected in Use Dt:	
Tk Int Prot Other:					No Further Act Dt:	6/26/1998
Tk Int Protect Dt:					Date Closed Null:	No
Tk Ext Prot:					Date Admin Closed:	
Tk Ext Prot Desc:					Approval Letter:	6/26/1998
Tk Ext Prot Other:					Report Received:	4/28/1997
Tk Ext Protect Dt:					Date Received:	5/21/1996

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Double Wall:	No				Reg End Date:	
Tank Material Man:					UST 1 Flag:	Yes
Tank Mat Man Name:					UST 1 Flag Date:	9/30/2003
Tanks Use:	No				UST 2 Flag:	Yes
Tank Fees Waived:	No				UST 2 Flag Date:	9/30/2003
Firm Name:	BLYMER ENGINEERS INC				UST 3 Flag:	No
Expidite:	No				UST 3 Flag Date:	
Lockout Flag:	0					
Installer Name:						
Installer Comments:						
Comments:						

Compartments Information

Tank Compartment PK:	35506	Pipe Double Wall:	No
Compartment No:	1	Mixture:	0
CAS No:		Substance:	D
Compartment Status:	R	Tk Substance Desc:	Diesel
Tank Status Desc:	Removed	Substance Other:	
Capacity:	1000	Hazard Substance:	
Pipe Installer:		Tanks Use:	No
Pipe Install Date:		Comp Lockout Flag:	No
Pipe System:	0	Spill Protection:	No
Tank Pipe Sys Desc:	Suction	Spill Protection Wall:	
Pipe Material:	1	Tank Top:	
Pipe Material Desc:	Steel	Sub Dispensor:	
Pipe Mat Other:		Disp Conn Fit Prot:	
Pipe Protection:		Tk Top Conn Fit Prot:	
Pipe Protect Desc:		Throughput:	
Pipe Protect Date:		Date of Last Use:	

Owners Information

Owner ID:	OW20111	State:	WA
Active:	No	Zip:	98687
Non Deliverable:	No	Zip Extension:	1510
Date Received:	11/8/2000	County:	
Name:	CONSOLIDATED FREIGHTWAYS	Area Code:	360
Address:	P O BOX 871510	Phone Prefix:	448
City:	VANCOUVER	Phone Suffix:	4275

Missouri Environmental Site Tracking and Research Tool (E-START)

AUL ID:		Closure Guidance:	1996 CGD
Remed ID:		Contamins:	Petroleum constituents
Fac Status:	Facility Closed Prior to Implementation of 2004 Tanks RBCA	Use Limits:	
Fac Type:	Former Underground Storage Tank Facilities	Site Ownership:	DNR/Hazardous Waste Program/Tanks Section
Facility Name:	CONSOLIDATED FREIGHTWAYS	Summary:	A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. Please review the Department of Natural Resources site file for more information.

6 1 of 1 **E** 0.18 / 937.53 780.26 / 22 Paris Cleaners 1727 Paris Road Columbia MO **DRYCLEANERS**

DC No: 2393 **Contact:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Status:					Phone:	
DC Plant:	FALSE				OU ID:	71610
Supplier:	FALSE				Party ID:	10786
Site Name:	FALSE				Supplier ID:	
Dry Store:	FALSE				Chlorinated:	FALSE
Country Plant No:	019-				Non Chlorinated:	FALSE
County:	Boone					

7 1 of 2 NNE 0.22 / 1,150.10 783.48 / 25 BOWLING RESIDENCE 1619 MORES BLVD COLUMBIA MO 65201 UST

Facility ID:	ST5800691	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	L	RP City:	
Facility Status:	Remediation	RP State:	
Source Code:	CR	RP Zip:	
Source:	Contractor	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Date:	10/1/2002	RP Undeliverable:	No
Regist End Date:	9/30/2007	County Code:	19
Date Received:		County Name:	BOONE
Archive Date:		Geo Owner:	5
Date Certif Printed:		Geo Owner Desc:	Hazardous Waste Program
Certificate Printed:	No	Geo Collected By:	CON_Fortin,Joel
New Facility:	No	Date Collected:	3/7/2014
Due Contract Insp:	No	Horiz Coll Meth Code:	I2
Create Invoice:	No	Horiz Coll Meth Desc:	Interpolation from photography
Receipt:	No	Horiz Coll Type Desc:	Interpolation
Archive:	No	Horiz Accuracy Est:	12.2
House Bill:	No	PDOP:	
Label Printed:	No	Score:	
Moratorium:	No	Source Map Scale:	24000
Deliv Mail to Own:	No	Horiz Acc U of Meas:	Meters
Non Deliverable:	No	Geo Type:	POINT
Contact:		Datum:	NAD83
Area Code:		Region:	NE
Phone Prefix:		Easting:	559501.34146
Phone Suffix:		Northing:	4313241.887964
Zip Extension:		UTM Zone:	15
Signer:		Verified:	Yes
Signer Title:		Source Y:	38.9661264756592
Ref Pt Code:	CO	Source X:	-92.3131829397168
Ref Pt:	Center of Operations		
Title:			
Email Address:			

Owners Information

Owner ID:	OW99999	State:	
Active:	Yes	Zip:	
Non Deliverable:	No	Zip Extension:	
Date Received:	1/1/1996	County:	
Name:	No Current Owner	Area Code:	
Address:		Phone Prefix:	
City:		Phone Suffix:	

Missouri Environmental Site Tracking and Research Tool (E-START)

AUL ID:		Closure Guidance:	1992 CGD
Remed ID:	R004758 Inactive	Contamins:	Petroleum constituents
Fac Status:	Facility Closed Prior to Implementation of 2004	Use Limits:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Fac Type: Facility Name:	Tanks RBCA Other Known Petroleum Facilities BOWLING RESIDENCE				Site Ownership: Summary:	DNR/Hazardous Waste Program/Tanks Section A petroleum or hazardous substance storage tank closure or regulated release was addressed prior to the adoption of the 2004 Missouri Risk-Based Corrective Action Guidance for Petroleum Storage Tanks. An evaluation found that no further action was warranted based on the tank closure or corrective action process in use at the time. Please review the Department of Natural Resources site file for more information.
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7	2 of 2	NNE	0.22 / 1,150.10	783.48 / 25	BOWLING RESIDENCE 1619 MORES BLVD COLUMBIA MO 65201	LST
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Facility ID:	ST5800691	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	L	RP City:	
Facility Status:	Remediation	RP State:	
Source Code:	CR	RP Zip:	
Source:	Contractor	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:	10/1/2002	RP Undeliverable:	No
Regist End Dt:	9/30/2007	County Code:	19
Date Received:		County Name:	BOONE
Archive Date:		Zip Extension:	
Dt Certif Printed:		Region:	NE
Certificate Printed:	No	Easting:	559501.34146
Create Invoice:	No	Northing:	4313241.887964
Receipt:	No	Geo Owner:	5
Archive:	No	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	CON_Fortin,Joel
Label Printed:	No	Date Collected:	3/7/2014
Moratorium:	No	Horiz Coll Meth Code:	I2
New Facility:	No	Horiz Coll Meth Desc:	Interpolation from photography
Due Contract Insp:	No	Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	No	Horiz Accuracy Est:	12.2
Non Deliverable:	No	PDOP:	
Contact:		Score:	
Title:		Source Map Scale:	24000
Area Code:		Horiz Acc U of Meas:	Meters
Phone Prefix:		Geo Type:	POINT
Phone Suffix:		Datum:	NAD83
Email Address:		UTM Zone:	15
Signer:		Verified:	Yes
Signer Title:		Source Y:	38.9661264756592
Ref Pt Code:	CO	Source X:	-92.3131829397168
Ref Pt:	Center of Operations		

Remediation Detail(s)

REM ID:	R004758
LTS ID:	
Spill No:	940614-1317-MJK
Active:	No
Rank:	
Release Type:	U
Release Desc:	Below Ground
Release Date:	3/1/1987
Cleanup Start Date:	5/17/1994
Cleanup Finish Date:	10/20/1994
Emerg Resp Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Emerg Cleanup Date:
No Further Action:
Next Update:
Date Closed:
Expedited Date:
Archive Date:
Reopened Date:
Expidite: No
RBCANOFA: No
Archive: Yes
ARRA: No
Refer DGLSO Resp:
DGLSO Resp Desc:
Contractor:
Project Manager: L
LUST 1 Flag: Yes
LUST 1 Flag Dt: 9/30/2003
LUST 2A Flag: Yes
LUST 2A Flag Dt: 9/30/2003
LUST 2B Flag: No
LUST 2B Flag Dt:
LUST 3A Flag: Yes
LUST 3A Flag Dt: 9/30/2003
LUST 3B Flag: No
LUST 3B Flag Dt:
LUST 4 Flag: No
LUST 4 Flag Dt:
Moratorium: 0
No Monitoring Wells: 0
No Physical R: No
Guidance Used: 86
Comments:

Other Detail(s)

REM Source Desc:		Source Other Desc:
REM Cause Desc:		Cause Other Desc:
REM Tech Desc:	Excavation	Media Affected:

<u>8</u>	1 of 1	ESE	0.28 / 1,458.57	778.70 / 20	CFM IV 1813 MONROE COLUMBIA MO 65201	LST
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Facility ID:	ST0003774	Property Owner:	MIDLAND OIL CO
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	CR	RP Zip:	
Source:	Contractor	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:	10/1/2008	RP Undeliverable:	No
Regist End Dt:	9/30/2013	County Code:	19
Date Received:	3/21/1989	County Name:	BOONE
Archive Date:		Zip Extension:	5522
Dt Certif Printed:	11/5/2008	Region:	NE
Certificate Printed:	Yes	Easting:	559758.758757
Create Invoice:	No	Northing:	4312823.045943
Receipt:	No	Geo Owner:	5
Archive:	Yes	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	CON_Fortin,Joel
Label Printed:	No	Date Collected:	3/5/2014
Moratorium:	No	Horiz Coll Meth Code:	I2
New Facility:	No	Horiz Coll Meth Desc:	Interpolation from photography

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Due Contract Insp:	No				Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	Yes				Horiz Accuracy Est:	12.2
Non Deliverable:	No				PDOP:	
Contact:	THOMAS G KOLB				Score:	
Title:	PRES				Source Map Scale:	24000
Area Code:					Horiz Acc U of Meas:	Meters
Phone Prefix:					Geo Type:	POINT
Phone Suffix:					Datum:	NAD83
Email Address:					UTM Zone:	15
Signer:	THOMAS G KOLB				Verified:	Yes
Signer Title:	PRES				Source Y:	38.9623348676288
Ref Pt Code:	CO				Source X:	-92.3102484005376
Ref Pt:	Center of Operations					

Remediation Detail(s)

REM ID: R008512
LTS ID: 3759
Spill No:
Active: No
Rank:
Release Type: U
Release Desc: Below Ground
Release Date: 2/23/2010
Cleanup Start Date: 2/23/2010
Cleanup Finish Date: 8/31/2010
Emerg Resp Date:
Emerg Cleanup Date:
No Further Action: 9/1/2010
Next Update:
Date Closed:
Expedited Date:
Archive Date:
Reopened Date:
Expedite: No
RBCANOFA: Yes
Archive:
ARRA: No
Refer DGLSO Resp:
DGLSO Resp Desc:
Contractor: 267
Project Manager: F
LUST 1 Flag: Yes
LUST 1 Flag Dt: 9/30/2010
LUST 2A Flag: Yes
LUST 2A Flag Dt: 9/30/2010
LUST 2B Flag: No
LUST 2B Flag Dt:
LUST 3A Flag: Yes
LUST 3A Flag Dt: 9/30/2010
LUST 3B Flag: No
LUST 3B Flag Dt:
LUST 4 Flag: No
LUST 4 Flag Dt:
Moratorium:
No Monitoring Wells: 0
No Physical R: No
Guidance Used: 86
Comments:

Other Detail(s)

REM Source Desc:	Unknown	Source Other Desc:	
REM Cause Desc:	Unknown	Cause Other Desc:	historic release
REM Tech Desc:	Tank Closure	Media Affected:	Soil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>9</u>	1 of 1	WNW	0.28 / 1,474.46	756.28 / -2	GRISSUM BUILDING 1313 LAKEVIEW AVENUE COLUMBIA MO 65201	LST

Facility ID:	ST0000764	Property Owner:	CITY OF COLUMBIA
Active:	Yes	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	D1	RP Zip:	
Source:	JCRO	RP Area Code:	
No Tanks Upgraded:	2	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:	10/1/2018	RP Undeliverable:	No
Regist End Dt:	9/30/2023	County Code:	19
Date Received:	1/21/1987	County Name:	BOONE
Archive Date:		Zip Extension:	4621
Dt Certif Printed:	9/14/2018	Region:	NE
Certificate Printed:	Yes	Easting:	558971.573523
Create Invoice:	No	Northing:	4313213.88792
Receipt:	No	Geo Owner:	5
Archive:	No	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	CON_Fortin,Joel
Label Printed:	No	Date Collected:	3/5/2014
Moratorium:	No	Horiz Coll Meth Code:	I2
New Facility:	No	Horiz Coll Meth Desc:	Interpolation from photography
Due Contract Insp:	No	Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	No	Horiz Accuracy Est:	12.2
Non Deliverable:	No	PDOP:	
Contact:	MIKE GUILFORD	Score:	
Title:	FLEET MANAGER	Source Map Scale:	24000
Area Code:	573	Horiz Acc U of Meas:	Meters
Phone Prefix:	874	Geo Type:	POINT
Phone Suffix:	6294	Datum:	NAD83
Email Address:	MIKE.GUILFORD@COMO.GOV	UTM Zone:	15
Signer:	ERIC EVANS	Verified:	Yes
Signer Title:	SUPT	Source Y:	38.9659100000875
Ref Pt Code:	TU	Source X:	-92.31930000000051
Ref Pt:	Tank, Underground or Partially Underground		

Remediation Detail(s)

REM ID:	R003540
LTS ID:	810
Spill No:	
Active:	No
Rank:	31
Release Type:	U
Release Desc:	Below Ground
Release Date:	12/2/1998
Cleanup Start Date:	8/25/1999
Cleanup Finish Date:	1/12/2006
Emerg Resp Date:	
Emerg Cleanup Date:	
No Further Action:	1/26/2006
Next Update:	
Date Closed:	
Expedited Date:	
Archive Date:	9/5/2007
Reopened Date:	
Expidite:	No
RBCANOFA:	Yes
Archive:	Yes
ARRA:	No
Refer DGLSO Resp:	
DGLSO Resp Desc:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Contractor:		409				
Project Manager:		L				
LUST 1 Flag:		Yes				
LUST 1 Flag Dt:		9/30/2003				
LUST 2A Flag:		Yes				
LUST 2A Flag Dt:		9/30/2003				
LUST 2B Flag:		No				
LUST 2B Flag Dt:						
LUST 3A Flag:		Yes				
LUST 3A Flag Dt:		3/31/2006				
LUST 3B Flag:		No				
LUST 3B Flag Dt:						
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:		0				
No Monitoring Wells:		0				
No Physical R:		No				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:		Source Other Desc:	
REM Cause Desc:	Unknown	Cause Other Desc:	
REM Tech Desc:	Excavation; Groundwater Monitoring; Tank Closure	Media Affected:	Ground Water

10 1 of 1 W 0.30 / 1,584.37 732.33 / -26 C MART #9514 1300 BUS LOOP 70 E COLUMBIA MO 65201 LST

Facility ID:	ST0010821	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:		RP Zip:	
Source:		RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:		RP Undeliverable:	No
Regist End Dt:		County Code:	19
Date Received:	12/27/1990	County Name:	BOONE
Archive Date:		Zip Extension:	
Dt Certif Printed:		Region:	NE
Certificate Printed:	No	Easting:	558815.18
Create Invoice:	No	Northing:	4312993.76
Receipt:	No	Geo Owner:	5
Archive:	Yes	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	VANCE, S
Label Printed:	No	Date Collected:	8/26/2013
Moratorium:	No	Horiz Coll Meth Code:	A3
New Facility:	No	Horiz Coll Meth Desc:	Street Centerline
Due Contract Insp:	No	Horiz Coll Meth Type:	Address Matching
Deliv Mail to Own:	No	Horiz Accuracy Est:	
Non Deliverable:	No	PDOP:	
Contact:	OMAR A OMAR	Score:	100
Title:	OPER MGR	Source Map Scale:	
Area Code:		Horiz Acc U of Meas:	
Phone Prefix:		Geo Type:	
Phone Suffix:		Datum:	
Email Address:		UTM Zone:	
Signer:	PHIL DRAGOO	Verified:	No
Signer Title:		Source Y:	
Ref Pt Code:		Source X:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Ref Pt:

Remediation Detail(s)

REM ID: R001603
LTS ID:
Spill No:
Active: No
Rank:
Release Type: U
Release Desc: Below Ground
Release Date: 2/9/1990
Cleanup Start Date: 4/19/1993
Cleanup Finish Date: 3/3/1994
Emerg Resp Date:
Emerg Cleanup Date:
No Further Action:
Next Update:
Date Closed:
Expedited Date:
Archive Date:
Reopened Date:
Expidite: No
RBCANOFA: No
Archive: Yes
ARRA: No
Refer DGLSO Resp:
DGLSO Resp Desc:
Contractor:
Project Manager: L
LUST 1 Flag: Yes
LUST 1 Flag Dt: 9/30/2003
LUST 2A Flag: Yes
LUST 2A Flag Dt: 9/30/2003
LUST 2B Flag: No
LUST 2B Flag Dt:
LUST 3A Flag: Yes
LUST 3A Flag Dt: 9/30/2003
LUST 3B Flag: No
LUST 3B Flag Dt:
LUST 4 Flag: No
LUST 4 Flag Dt:
Moratorium: 0
No Monitoring Wells: 0
No Physical R: No
Guidance Used: 86
Comments:

Other Detail(s)

REM Source Desc:		Source Other Desc:
REM Cause Desc:		Cause Other Desc:
REM Tech Desc: Excavation		Media Affected:

12	1 of 3	W	0.35 / 1,844.33	730.76 / -28	Butternut Bread/Schilby's Tire & Wheels 1208 Business Loop 70 Columbia MO 65201-4608	HWCP
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AUL ID:		Eastings:	558758.842799999983981
OU ID:	1161	Northing:	4312927.087410000152886
SMARS ID:	11173	Horiz Ref Datum:	NAD83
Federal ID:		Hor Collec Meth C:	G3
Site Status:	Completed	Hor Accu Units of M:	
Sensitive:	FALSE	Hor Accu Est:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Redev Showcase Dt:					Source Map Scale No:	
Redev Showcase:					Point Dilution of Prec:	3.5000000
County:	Boone					
Site Facility Name:		Butternut Bread/Schilby's Tire & Wheels				
Address:		1208 Business Loop 70				
DNR Web Page Link:						
DNR Program:		DNR/Hazardous Waste Program/Brownfields Voluntary Cleanup Section				
Site Alias:		Shilby's Tires				
Contaminants of Concern:						
Activity Use Limitations:						
Site Status Description:		Sites where previous concerns about contamination should no longer be an issue because of removal of waste and contamination or investigation results that demonstrate that contamination is now below levels considered suitable for unrestricted use.				

Site Background History:

The western portion of the property is being leased by Interstate Brands Corporation/Butternut Bread. They have occupied the western portion of the property since 1987. An underground storage tank (UST), used to store gasoline for delivery vehicles, was reportedly removed in 1986. The other business occupying the east side of the property is Schilby's Tires & Wheels Inc., an automobile repair shop with several service bays and hydraulic or electric lifts. An aboveground waste oil tank is located outside the south side of the building. Schilby's has been at this site since 1987. Historical street directories indicated that 1208 East Business Loop 70 has been occupied by several businesses over the past 60 years. Prior to approximately 1960, Business Loop 70 was known as Highway 40. The first listing for 1208 Highway 40 appears in 1947 Polk's Directory as Wrinkle Service Station; however, a 1951 directory listed Wrinkle Conoco Service Station as 1008 Highway 40. Beginning in 1963, a listing appears for Arnold's Derby Filling Station on the southwest corner of Tandy Avenue (now College Avenue) and East Business Loop 70. Later Polk Directories listed the Derby station at 1300 East Business Loop 70, which placed it at the southeast corner, not the southwest corner of College and Business Loop 70. From 1971 to 1986, 1208 Business Loop 70 was occupied by Holsum Bakery and Banner Tire. Engineering Surveys and Services (ES&S) completed a Phase I Environmental Assessment in August 2003 for Boone County National Bank of Boonville. Based on the Phase I Environmental Assessment, ES&S conducted a limited subsurface investigation in September 2003. Using on-site screening techniques, ES&S identified suspected petroleum contamination in one of the three shallow borings in the vicinity of a former UST.

Site Cleanup Summary:

Site assessments revealed contamination of soil with benzene and total petroleum hydrocarbons (TPH). Midwest Environmental Consultants (MEC) advanced numerous soil borings to delineate the extent of contamination in the soil. After the conclusion of soil borings activities, MEC prepared a report stating the extent of contamination. The Brownfields Voluntary Cleanup Program (BVCP) and MEC determined that no further investigation was necessary.

12	2 of 3	W	0.35 / 1,844.33	730.76 / -28	Butternut Bread/Schilby's Tire & Wheels 1208 Business Loop 70 Columbia MO 65201-4608	VCP
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Activity Status:	Cert. of Completion Issued	Operable Unit:	Butternut Bread/Schilby's Tire & Wheels
Activity Use AULs:		Manager:	Hugh Murrell
Cert of Compl Iss:	6/7/2004	Acreage:	1.35
Application Rcvd:	2/25/2004	Northing:	4312927.08741
State Funded:		Easting:	558758.8428
Federal Funded:		County:	Boone County
Contaminants:	Petroleum - misc		
Site Description:	The western portion of the property is being leased by Interstate Brands Corporation/Butternut Bread. They have occupied the western portion of the property since 1987. An underground storage tank (UST), used to store gasoline for delivery vehicles, was reportedly removed in 1986. The other business occupying the east side of the property is Schilby's Tires & Wheels Inc., an automobile repair shop with several service bays and hydraulic or electric lifts. An aboveground waste oil tank is located outside the south side of the building. Schilby's has been at this site since 1987. Historical street directories indicated that 1208 East Business Loop 70 has been occupied by several businesses over the past 60 years. Prior to approximately 1960, Business Loop 70 was known as Highway 40. The first listing for 1208 Highway 40 appears in 1947 Polk's Directory as Wrinkle Service Station; however, a 1951 directory listed Wrinkle Conoco Service Station as 1008 Highway 40. Beginning in 1963, a listing appears for Arnold's Derby Filling Station on the southwest corner of Tandy Avenue (now College Avenue) and East Business Loop 70. Later Polk Directories listed the Derby station at 1300 East Business Loop 70, which placed it at the southeast corner, not the southwest corner of College and Business Loop 70. From 1971 to 1986, 1208 Business Loop 70 was occupied by Holsum Bakery and Banner Tire. Engineering Surveys and Services (ES&S) completed a Phase I Environmental Assessment in August 2003 for Boone County National Bank of Boonville. Based on the Phase I Environmental Assessment, ES&S conducted a limited subsurface investigation in September 2003. Using on-site screening techniques, ES&S identified suspected petroleum contamination in one of the three shallow borings in the vicinity of a former UST.		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	3 of 3	W	0.35 / 1,844.33	730.76 / -28	Butternut Bread/Schilby's Tire & Wheels 1208 Business Loop 70 Columbia MO 65201-4608	SMAR
SM No:	11173			Site Code:		
Tank Status:				Other Site Code:		
Type S:	No			CERCLIS:		
Type V:	Yes			NPL Date:		
Type F:	No			Tank R:		
Type R:	No			Registry:	No	
Ownership:	VCP			Site County:	Boone	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of 1	WSW	0.38 / 1,994.56	779.19 / 21	BREAK TIME #3155 (U-PUMP) 1300 WILKES BOULEVARD COLUMBIA MO 65201	LST
Facility ID:	ST0003566			Property Owner:	MFA PETROLEUM COMPANY	
Active:	No			RP Name:		
Facility Type Code:	U			RP Contact:		
Facility Type:	Under Ground			RP Address:		
Facility Status Code:	R			RP City:		
Facility Status:	Registered			RP State:		
Source Code:	D9			RP Zip:		
Source:	HWP			RP Area Code:		
No Tanks Upgraded:	0			RP Phone Prefix:		
No Observe Wells:	0			RP Phone Suffix:		
Regist Start Dt:	10/1/2005			RP Undeliverable:	No	
Regist End Dt:	9/30/2010			County Code:	19	
Date Received:	5/8/1986			County Name:	BOONE	
Archive Date:	5/10/2011			Zip Extension:	4763	
Dt Certif Printed:	10/18/2005			Region:	NE	
Certificate Printed:	Yes			Easting:	558824.080082	
Create Invoice:	No			Northing:	4312520.72739	
Receipt:	No			Geo Owner:	5	
Archive:	Yes			Geo Owner Desc:	Hazardous Waste Program	
House Bill:	Yes			Geo Collected By:	INTERNS	
Label Printed:	No			Date Collected:	12/21/2001	
Moratorium:	No			Horiz Coll Meth Code:	G3	
New Facility:	No			Horiz Coll Meth Desc:	GPS, Differential Post Processing	
Due Contract Insp:	No			Horiz Coll Meth Type:	Global Positioning System	
Deliv Mail to Own:	Yes			Horiz Accuracy Est:		
Non Deliverable:	No			PDOP:	2.3	
Contact:	TRACY BARTH			Score:		
Title:	DIR COMP & SAFETY			Source Map Scale:		
Area Code:				Horiz Acc U of Meas:		
Phone Prefix:				Geo Type:	POINT	
Phone Suffix:				Datum:	WGS84	
Email Address:				UTM Zone:	15	
Signer:	TRACY BARTH			Verified:	No	
Signer Title:	DIR COMPLN			Source Y:	38.9596740000363	
Ref Pt Code:	TU			Source X:	-92.321062000007	
Ref Pt:	Tank, Underground or Partially Underground					

Remediation Detail(s)

REM ID:	R001796
LTS ID:	1766
Spill No:	
Active:	No
Rank:	62
Release Type:	U
Release Desc:	Below Ground
Release Date:	7/16/1990
Cleanup Start Date:	7/16/1990
Cleanup Finish Date:	6/26/2010

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Emerg Resp Date:						
Emerg Cleanup Date:						
No Further Action:		8/25/2010				
Next Update:						
Date Closed:						
Expedited Date:						
Archive Date:		5/10/2011				
Reopened Date:						
Expidite:		No				
RBCANOA:		Yes				
Archive:		Yes				
ARRA:		No				
Refer DGLSO Resp:						
DGLSO Resp Desc:						
Contractor:		92				
Project Manager:		C				
LUST 1 Flag:		Yes				
LUST 1 Flag Dt:		9/30/2003				
LUST 2A Flag:		Yes				
LUST 2A Flag Dt:		9/30/2003				
LUST 2B Flag:		No				
LUST 2B Flag Dt:						
LUST 3A Flag:		Yes				
LUST 3A Flag Dt:		9/30/2010				
LUST 3B Flag:		No				
LUST 3B Flag Dt:						
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:		0				
No Monitoring Wells:		3				
No Physical R:		No				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:	Piping; Tank	Source Other Desc:	
REM Cause Desc:	Corrosion	Cause Other Desc:	
REM Tech Desc:	CA	Media Affected:	Ground Water; Soil

15 1 of 1 **W** **0.43 / 2,244.16** **733.86 / -25** **KNIPP CONSTRUCTION** **LST**
1116 BUS LOOP 70 E
COLUMBIA MO 65201

Facility ID:	ST0008114	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	CR	RP Zip:	
Source:	Contractor	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:		RP Undeliverable:	No
Regist End Dt:		County Code:	19
Date Received:	7/27/1992	County Name:	BOONE
Archive Date:	5/10/2011	Zip Extension:	4638
Dt Certif Printed:		Region:	NE
Certificate Printed:	No	Easting:	558644.553109
Create Invoice:	No	Northing:	4312966.208269
Receipt:	No	Geo Owner:	5
Archive:	Yes	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	CON_Fortin,Joel
Label Printed:	No	Date Collected:	3/5/2014
Moratorium:	No	Horiz Coll Meth Code:	12

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
New Facility:	No				Horiz Coll Meth Desc:	Interpolation from photography
Due Contract Insp:	No				Horiz Coll Meth Type:	Interpolation
Deliv Mail to Own:	No				Horiz Accuracy Est:	12.2
Non Deliverable:	No				PDOP:	
Contact:					Score:	
Title:					Source Map Scale:	24000
Area Code:					Horiz Acc U of Meas:	Meters
Phone Prefix:					Geo Type:	POINT
Phone Suffix:					Datum:	NAD83
Email Address:					UTM Zone:	15
Signer:	RICHARD KNIPP				Verified:	Yes
Signer Title:					Source Y:	38.9637001681282
Ref Pt Code:	CO				Source X:	-92.3230957406472
Ref Pt:	Center of Operations					

Remediation Detail(s)

REM ID: R003031
LTS ID: 981
Spill No:
Active: No
Rank: 34
Release Type: U
Release Desc: Below Ground
Release Date: 3/9/1992
Cleanup Start Date: 3/29/1995
Cleanup Finish Date: 12/28/2005
Emerg Resp Date: 3/9/1992
Emerg Cleanup Date:
No Further Action: 1/10/2006
Next Update:
Date Closed:
Expedited Date:
Archive Date: 5/10/2011
Reopened Date:
Expidite: No
RBCANOFA: Yes
Archive: Yes
ARRA: No
Refer DGLSO Resp:
DGLSO Resp Desc:
Contractor: 245
Project Manager: Q
LUST 1 Flag: Yes
LUST 1 Flag Dt: 9/30/2003
LUST 2A Flag: Yes
LUST 2A Flag Dt: 1/1/1900
LUST 2B Flag: No
LUST 2B Flag Dt:
LUST 3A Flag: Yes
LUST 3A Flag Dt: 1/1/1900
LUST 3B Flag: No
LUST 3B Flag Dt:
LUST 4 Flag: No
LUST 4 Flag Dt:
Moratorium: 0
No Monitoring Wells: 0
No Physical R: No
Guidance Used: 86
Comments:

Other Detail(s)

REM Source Desc:	Piping; Tank	Source Other Desc:	
REM Cause Desc:		Cause Other Desc:	
REM Tech Desc:	Excavation; Free Product Recovery;	Media Affected:	Ground Water; Soil

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					Groundwater Monitoring; Land Fill; Natural Attenuation; Tank Closure	

16	1 of 2	W	0.49 / 2,605.26	740.04 / -19	MPC 3 1102 BUS LOOP 70 E COLUMBIA MO 65201	DELISTED LST
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Delisted Tanks

REM ID:	R008702	LUST 1 Flag Dt:	9/30/2012
Facility ID:	ST0003891	LUST 2A Flag:	Yes
LTS ID:	6372	LUST 2A Flag Dt:	9/30/2012
Spill No:	1202011502PAH	LUST 2B Flag:	No
Active:	No	LUST 2B Flag Dt:	
Rank:	10	LUST 3A Flag:	Yes
Facility Status Code:	R	LUST 3A Flag Dt:	9/30/2012
Facility Status:	Registered	LUST 3B Flag:	No
Facility Type Code:	U	LUST 3B Flag Dt:	
Facility Type:	Under Ground	LUST 4 Flag:	No
Release Type:	U	LUST 4 Flag Dt:	
Release Desc:	Below Ground	New Facility:	No
Release Date:	12/12/2011	Meet 98 Upgrade:	
REM Release Desc:	Unknown	Moratorium:	
REM Cause Desc:	Unknown	ARRA:	No
REM Tech Desc:	Excavation; Tank Closure	No Physic ALR:	Yes
UST Active:	No	Create Invoice:	No
UST Archive:	Yes	Receipt:	No
UST Archive Date:		Deliver Mail to Owner:	Yes
UST Moratorium:	No	Non-deliverable:	Yes
Emerg Resp Dt:		House Bill:	No
Emerg Cleanup Dt:		Label Printed:	No
Cleanup Start Dt:	3/22/2012	RP Name:	
Cleanup Finish Dt:	5/31/2012	RP Contact:	
No Further Action:	6/1/2012	RP Address:	
Next Update:		Contractor:	
Date Added:	5/31/2012	Project Manager:	MD
Date Edited:	6/1/2012	Username:	KOON, K
Date Closed Admin:		Property Owner:	
Reopened Date:		Contact:	MIKE MCNUTT EXT 313
Date Received:	2/13/1990	Title:	OPER MANAGER
Regist Start Dt:	10/1/2010	Phone:	
Regist End Dt:	9/30/2015	Email Address:	
Certificate Printed:	Yes	Signer:	MIKE MCNUTT
Certifi Printed Dt:	10/13/2010	Signer Title:	OPER MGR
Archive:		Region:	NE
Archive Date:		Easting:	558527.90609
Expidite:	No	Northing:	4312955.11387
Expedited Date:		Geo Owner:	5
Media Affected:	Soil	Geo Owner Desc:	Hazardous Waste Program
No Monitoring Wells:	0	Geo Collected by:	INTERNS
No Tanks Upgraded:	0	Date Collected:	12/21/2001
Guidance Used:	86	County Code:	19
Refer DGLSO Resp:		County Name:	BOONE
DGLSO Resp Desc:		Original Source:	LST
RBCANOFA:	Yes	Record Date:	24-APR-2018
LUST 1 Flag:	Yes		
Release Other Desc:			

Cause Other Desc:

Historic Release

No Observe Wells:

0

Due Contract Insp:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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No

Comments:

16	2 of 2	W	0.49 / 2,605.26	740.04 / -19	MPC 3 1102 BUS LOOP 70 E COLUMBIA MO 65201	LST
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Facility ID:	ST0003891	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	R	RP City:	
Facility Status:	Registered	RP State:	
Source Code:	D9	RP Zip:	
Source:	HWP	RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:	10/1/2010	RP Undeliverable:	No
Regist End Dt:	9/30/2015	County Code:	19
Date Received:	2/13/1990	County Name:	BOONE
Archive Date:		Zip Extension:	4606
Dt Certif Printed:	10/13/2010	Region:	NE
Certificate Printed:	Yes	Easting:	558527.90609
Create Invoice:	No	Northing:	4312955.11387
Receipt:	No	Geo Owner:	5
Archive:	Yes	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	INTERNS
Label Printed:	No	Date Collected:	12/21/2001
Moratorium:	No	Horiz Coll Meth Code:	G3
New Facility:	No	Horiz Coll Meth Desc:	GPS, Differential Post Processing
Due Contract Insp:	No	Horiz Coll Meth Type:	Global Positioning System
Deliv Mail to Own:	Yes	Horiz Accuracy Est:	
Non Deliverable:	Yes	PDOP:	4.6
Contact:	MIKE MCNUTT EXT 313	Score:	
Title:	OPER MANAGER	Source Map Scale:	
Area Code:		Horiz Acc U of Meas:	
Phone Prefix:		Geo Type:	POINT
Phone Suffix:		Datum:	WGS84
Email Address:		UTM Zone:	15
Signer:	MIKE MCNUTT	Verified:	No
Signer Title:	OPER MGR	Source Y:	38.9636080000682
Ref Pt Code:	TU	Source X:	-92.3244430000126
Ref Pt:	Tank, Underground or Partially Underground		

Remediation Detail(s)

REM ID:	R008702
LTS ID:	6372
Spill No:	1202011502PAH
Active:	No
Rank:	10
Release Type:	U
Release Desc:	Below Ground
Release Date:	12/12/2011
Cleanup Start Date:	3/22/2012
Cleanup Finish Date:	5/31/2012
Emerg Resp Date:	
Emerg Cleanup Date:	
No Further Action:	6/1/2012
Next Update:	
Date Closed:	
Expedited Date:	
Archive Date:	
Reopened Date:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Expidite:		No				
RBCANOFA:		Yes				
Archive:						
ARRA:		No				
Refer DGLSO Resp:						
DGLSO Resp Desc:						
Contractor:						
Project Manager:		MD				
LUST 1 Flag:		Yes				
LUST 1 Flag Dt:		9/30/2012				
LUST 2A Flag:		Yes				
LUST 2A Flag Dt:		9/30/2012				
LUST 2B Flag:		No				
LUST 2B Flag Dt:						
LUST 3A Flag:		Yes				
LUST 3A Flag Dt:		9/30/2012				
LUST 3B Flag:		No				
LUST 3B Flag Dt:						
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:						
No Monitoring Wells:		0				
No Physical R:		Yes				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:	Unknown	Source Other Desc:	
REM Cause Desc:	Unknown	Cause Other Desc:	Historic Release
REM Tech Desc:	Excavation; Tank Closure	Media Affected:	Soil

Remediation Detail(s)

REM ID:	R005998
LTS ID:	
Spill No:	980205-0950-eeg
Active:	No
Rank:	
Release Type:	U
Release Desc:	Below Ground
Release Date:	
Cleanup Start Date:	9/4/1997
Cleanup Finish Date:	10/4/1999
Emerg Resp Date:	
Emerg Cleanup Date:	
No Further Action:	
Next Update:	
Date Closed:	
Expedited Date:	
Archive Date:	
Reopened Date:	
Expidite:	No
RBCANOFA:	No
Archive:	Yes
ARRA:	No
Refer DGLSO Resp:	
DGLSO Resp Desc:	
Contractor:	370
Project Manager:	L
LUST 1 Flag:	Yes
LUST 1 Flag Dt:	9/30/2003
LUST 2A Flag:	No
LUST 2A Flag Dt:	
LUST 2B Flag:	Yes
LUST 2B Flag Dt:	9/30/2008

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
LUST 3A Flag:		No				
LUST 3A Flag Dt:						
LUST 3B Flag:		Yes				
LUST 3B Flag Dt:		9/30/2008				
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:		0				
No Monitoring Wells:		0				
No Physical R:		No				
Guidance Used:		86				
Comments:						

Other Detail(s)

REM Source Desc:		Source Other Desc:	
REM Cause Desc:		Cause Other Desc:	
REM Tech Desc:	Excavation; Land Fill; Other; Source Investigation	Media Affected:	Soil

17 1 of 1 SW 0.50 / 2,622.93 772.26 / 14 HENDERSON OIL KEY STOP 1214 EUGENIA ST COLUMBIA MO 65201 LST

Facility ID:	ST3000410	Property Owner:	
Active:	No	RP Name:	
Facility Type Code:	U	RP Contact:	
Facility Type:	Under Ground	RP Address:	
Facility Status Code:	L	RP City:	
Facility Status:	Remediation	RP State:	
Source Code:		RP Zip:	
Source:		RP Area Code:	
No Tanks Upgraded:	0	RP Phone Prefix:	
No Observe Wells:	0	RP Phone Suffix:	
Regist Start Dt:		RP Undeliverable:	No
Regist End Dt:		County Code:	19
Date Received:	2/8/2013	County Name:	BOONE
Archive Date:		Zip Extension:	
Dt Certif Printed:		Region:	NE
Certificate Printed:	No	Easting:	558722.11
Create Invoice:	No	Northing:	4312378.58
Receipt:	No	Geo Owner:	5
Archive:	No	Geo Owner Desc:	Hazardous Waste Program
House Bill:	No	Geo Collected By:	VANCE, S
Label Printed:	No	Date Collected:	8/27/2013
Moratorium:	No	Horiz Coll Meth Code:	A1
New Facility:	Yes	Horiz Coll Meth Desc:	House Number
Due Contract Insp:	No	Horiz Coll Meth Type:	Address Matching
Deliv Mail to Own:	No	Horiz Accuracy Est:	
Non Deliverable:	No	PDOP:	
Contact:		Score:	100
Title:		Source Map Scale:	
Area Code:		Horiz Acc U of Meas:	
Phone Prefix:		Geo Type:	
Phone Suffix:		Datum:	
Email Address:		UTM Zone:	
Signer:		Verified:	No
Signer Title:		Source Y:	
Ref Pt Code:		Source X:	
Ref Pt:			

Remediation Detail(s)

REM ID:	R008789
LTS ID:	20482
Spill No:	121127-0900-CRJ

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Active:		No				
Rank:		46				
Release Type:		A				
Release Desc:		Above Ground				
Release Date:		11/27/2012				
Cleanup Start Date:		2/7/2013				
Cleanup Finish Date:		8/22/2016				
Emerg Resp Date:						
Emerg Cleanup Date:						
No Further Action:		9/6/2016				
Next Update:						
Date Closed:						
Expedited Date:						
Archive Date:						
Reopened Date:						
Expedite:		No				
RBCANOFA:		Yes				
Archive:		Yes				
ARRA:		No				
Refer DGLSO Resp:						
DGLSO Resp Desc:						
Contractor:		220				
Project Manager:		H				
LUST 1 Flag:		No				
LUST 1 Flag Dt:						
LUST 2A Flag:		No				
LUST 2A Flag Dt:						
LUST 2B Flag:		No				
LUST 2B Flag Dt:						
LUST 3A Flag:		No				
LUST 3A Flag Dt:						
LUST 3B Flag:		No				
LUST 3B Flag Dt:						
LUST 4 Flag:		No				
LUST 4 Flag Dt:						
Moratorium:						
No Monitoring Wells:		0				
No Physical R:		No				
Guidance Used:		85				
Comments:						

Other Detail(s)

REM Source Desc:	Unknown	Source Other Desc:	
REM Cause Desc:	Unknown	Cause Other Desc:	HISTORICAL RELEASE
REM Tech Desc:	Groundwater Monitoring	Media Affected:	Ground Water; Soil

18	1 of 1	SW	0.81 / 4,259.94	741.31 / -17	Columbia Coal Gas: Columbia Coal Gas - East Parcel 210 Orr St. Columbia MO 65201-4963	HWCP
AUL ID:	876	Eastings:	558505.540000000037253			
OU ID:	2134	Northing:	4311938.9570000000402331			
SMARS ID:	10017	Horiz Ref Datum:	NAD83			
Federal ID:	MOD985808088	Hor Collec Meth C:	G3			
Site Status:	Long-Term Stewardship	Hor Accu Units of M:				
Sensitive:	FALSE	Hor Accu Est:				
Redev Showcase Dt:		Source Map Scale No:				
Redev Showcase:		Point Dilution of Prec:	4.3000002			
County:	Boone					
Site Facility Name:	Columbia Coal Gas: Columbia Coal Gas - East Parcel					
Address:	210 Orr St.					
DNR Web Page Link:						
DNR Program:	DNR/Hazardous Waste Program/Brownfields Voluntary Cleanup Section					
Site Alias:	Columbia Coal Gas					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Contaminants of Concern: Soil: Benzene, Polycyclic Aromatic Hydrocarbons, SVOCs, VOCs; Subsurface Soil: Benzene, Polycyclic Aromatic Hydrocarbons, SVOCs, VOCs

Activity Use Limitations: Construction Worker Advisory, No Disturbance of Soil, No Drilling or Use of Groundwater, Non-Residential Use

Site Status Description: Sites where remedial action has been taken to address known risks to human health, public welfare, and the environment and the site is suitable for certain land uses and that further investigation and remedial action is not required.

Site Cleanup Summary:

Site investigations revealed that certain portions of the property were impacted with MGP-related materials as a result of the former operations.

31,612 tons of contaminated soil was excavated and disposed at an approved landfill. The depth of the excavation varied from 10 to 20 ft. below grade and covered a large area in the center of the site, extending west to near Orr St. where a sheet piling was installed during the 1994 excavation of the west parcel and the Orr St. right of way. A stormwater box culvert running east-west through the site was relocated to the south to allow for removal of contaminated soil beneath.

Confirmation samples from the walls and floor of the excavations met Tier 1 Risk Based Target Levels (Missouri Risk-Based Corrective Action Guidance, 2006) for non-residential use except in certain limited areas of the site.

Groundwater investigations detected low levels of dissolved contaminants in shallow (overburden) groundwater that were determined not to pose a health risk provided groundwater is not used.

A Site Management Plan was developed to provide for future management of residual contaminants during any future redevelopment and reuse of the site. The Plan was attached to an Environmental Covenant placed in the property's chain of title. The Covenant includes limitations on property use and requires the owner to follow the Management Plan.

Site Background History:

The site was the location of the AmerenUE utility service headquarters, and prior to that, it held two gas holders for the former manufactured gas plant (FMGP) located across Orr Street to the west, which operated from approximately 1875-1932. This parcel was not remediated during the 1994 cleanup of that site under Superfund. Ameren enrolled the site into the Brownfields Voluntary Cleanup Program (BVCP) in 2006.

19	1 of 1	SW	0.84 / 4,435.09	748.33 / -10	Columbia Coal Gas Vicinity of Orr and Ash Streets Columbia MO 65201	HWCP
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AUL ID:		Easting:	558509.728611110011116
OU ID:	45	Northing:	4311947.298574930056930
SMARS ID:	10017	Horiz Ref Datum:	NAD83
Federal ID:	MOD985808088	Hor Collec Meth C:	G3
Site Status:	Long-Term Stewardship	Hor Accu Units of M:	
Sensitive:	FALSE	Hor Accu Est:	
Redev Showcase Dt:		Source Map Scale No:	
Redev Showcase:		Point Dilution of Prec:	2.0999999

County: Boone

Site Facility Name: Columbia Coal Gas

Address: Vicinity of Orr and Ash Streets

DNR Web Page Link:

DNR Program: DNR/Hazardous Waste Program/Brownfields Voluntary Cleanup Section

Site Alias: Columbia Coal Gas, Ameren UE, Ameren

Contaminants of Concern:

Activity Use Limitations:

Site Status Description: Sites where remedial action has been taken to address known risks to human health, public welfare, and the environment and the site is suitable for certain land uses and that further investigation and remedial action is not required.

Site Cleanup Summary:

A time-critical removal action was completed in 1994 to excavate FMGP process residuals and impacted soil from the Orr Street right-of-way from south of Ash Street north to Park Street and to the west of Orr St. (the western parcel of the FMGP site). The removal was designed to provide a clean construction corridor along Orr Street for utility improvements and repaving planned by the city of Columbia, and to remediate the western parcel, owned by the city of Columbia, for construction of a new fire station. Ameren UE's service center on the east side of Orr (eastern parcel) was not remediated as part of this project. A sheet pile was installed by AmerenUE along the western side of the service center building to contain any FMGP residuals beneath the eastern parcel and to prevent migration and re-contamination of the remediated area under Orr St. The site is now in Operation and Maintenance (O&M). On an annual basis, the eastern parcel is inspected by AmerenUE or its contractor to monitor for surface integrity of the asphalt and/or concrete pavement on the AmerenUE service center site. Biennial groundwater sampling is also conducted to monitor for contaminant migration.

Site Background History:

This former manufactured gas plant (FMGP) operated from the 1870's to the 1900's and utilized the coal carbonization process. Investigations found the

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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soil to be extensively contaminated with coal tar, diesel fuel, gasoline, and other contaminants. A time-critical (partial) removal action was completed in 1994 under EPA oversight to excavate FMGP process residuals and impacted soil from the western portion of the site, including the property west of Orr Street, and the Orr Street right-of-way from south of Ash Street north to Park Street. The removal was designed to provide a clean construction corridor along Orr Street for utility improvements and repaving planned by the city of Columbia in addition to removal action to remediate the adjacent parcels west of Orr Street owned by the City of Columbia. A sheet pile was installed by AmerenUE to contain FMGP residuals at the eastern edge of the excavation, east of Orr Street in the front parking lot of the AmerenUE service center.

The eastern parcel of the site is currently owned by AmerenUE and was used as a utility service center and equipment storage until approximately 2013. Ameren remediated the eastern parcel under BVCP oversight (see separate record).

20	1 of 1	SW	0.88 / 4,653.59	760.07 / 2	Watkins Roofing (Former) 104 Orr Street Columbia MO 65201-4919	HWCP
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AUL ID:		Eastings:	558490.339000000036322
OU ID:	1974	Northing:	4311789.753999999724329
SMARS ID:	11602	Horiz Ref Datum:	NAD83
Federal ID:	MOP000005967	Hor Collec Meth C:	G3
Site Status:	Completed	Hor Accu Units of M:	
Sensitive:	FALSE	Hor Accu Est:	
Redev Showcase Dt:		Source Map Scale No:	
Redev Showcase:		Point Dilution of Prec:	5.1999998
County:	Boone		
Site Facility Name:	Watkins Roofing (Former)		
Address:	104 Orr Street		
DNR Web Page Link:			
DNR Program:	DNR/Hazardous Waste Program/Brownfields Voluntary Cleanup Section		
Site Alias:	Hobart Roofing, Hobart Watkins Roofing		
Contaminants of Concern:			
Activity Use Limitations:			
Site Status Description:	Sites where previous concerns about contamination should no longer be an issue because of removal of waste and contamination or investigation results that demonstrate that contamination is now below levels considered suitable for unrestricted use.		

Site Cleanup Summary:

An evaluation was performed in accordance with the Missouri Risk-Based Corrective Action (MRBCA) Guidance Document. Concentrations of chemicals of concern were compared to the MRBCA default target levels (DTLs), which are the most conservative target levels, and were below the DTLs. Therefore, the Missouri Department of Natural Resources determined that no remedial action was necessary and the site was safe for unrestricted use.

Site Background History:

The 0.38 acre site has been the location of a roofing company, most recently Watkins Roofing, since the 1940s. The site has a Resource Conservation and Recovery Act (RCRA) ID of MOP000005967. Two non-registered underground storage tanks (USTs) were removed in 1996. These two USTs reportedly held kerosene and gasoline. Impacted soil that was excavated was reportedly taken to the landfill for disposal; however, no soil samples were collected for analytical confirmation. A limited Phase II Environmental Site Assessment (ESA) in 2005 detected polycyclic aromatic hydrocarbon (PAH) contamination in surface soil. Roofing tar waste piles were identified throughout the site. The current property owner, Havet, LLC, applied to the Brownfields Voluntary Cleanup Program (BVCP) to address the soil contamination. A Missouri Risk-Based Corrective Action (MRBCA) evaluation determined that concentrations of the chemicals of concern in soil were below the MRBCA default target levels (DTLs), thus, no further action was necessary. A Certificate of Completion was issued July 19, 2006.

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
LST	FORMER CRONAN PROPERTY	2000-2004 BUSINESS LOOP 70 <i>Facility ID Active:</i> ST5999605 No	COLUMBIA MO	65201	819985112
RCRA NON GEN	COLUMBIA CITY OF	1514 BUS LOOP 70 <i>EPA Handler ID:</i> MOP000028357	COLUMBIA MO	65205	810256008

Unplottable Report

Site: FORMER CRONAN PROPERTY
2000-2004 BUSINESS LOOP 70 COLUMBIA MO 65201

LST

Facility ID: ST5999605
Active: No
Facility Type Code: U
Facility Type: Under Ground
Facility Status Code: L
Facility Status: Remediation
Source Code: CR
Source: Contractor
No Tanks Upgraded: 0
No Observe Wells: 0
Regist Start Dt: 10/1/2002
Regist End Dt: 9/30/2007
Date Received: 2/6/2002
Archive Date: 5/10/2011
Dt Certif Printed:
Certificate Printed: No
Create Invoice: No
Receipt: No
Archive: Yes
House Bill: No
Label Printed: No
Moratorium: No
New Facility: No
Due Contract Insp: No
Deliv Mail to Own: No
Non Deliverable: No
Contact: TOM KARDON
Title: OWNER
Area Code:
Phone Prefix:
Phone Suffix:
Email Address:
Signer:
Signer Title:
Ref Pt Code: CO
Ref Pt: Center of Operations

Property Owner:
RP Name:
RP Contact:
RP Address:
RP City:
RP State:
RP Zip:
RP Area Code:
RP Phone Prefix:
RP Phone Suffix:
RP Undeliverable: No
County Code: 19
County Name: BOONE
Zip Extension: 5502
Region: NE
Easting: 559950.609733
Northing: 4312958.194643
Geo Owner: 5
Geo Owner Desc: Hazardous Waste Program
Geo Collected By: CON_Fortin,Joel
Date Collected: 3/7/2014
Horiz Coll Meth Code: I2
Horiz Coll Meth Desc: Interpolation from photography
Horiz Coll Meth Type: Interpolation
Horiz Accuracy Est: 12.2
PDOP:
Score:
Source Map Scale: 24000
Horiz Acc U of Meas: Meters
Geo Type: POINT
Datum: NAD83
UTM Zone: 15
Verified: Yes
Source Y: 38.9635395516973
Source X: -92.3080223089774

Remediation Detail(s)

REM ID: R007382
LTS ID: 1461
Spill No: 0203291520GEV
Active: No
Rank: 51
Release Type: U
Release Desc: Below Ground
Release Date: 3/26/2002
Cleanup Start Date: 3/26/2002
Cleanup Finish Date: 4/3/2009
Emerg Resp Date:
Emerg Cleanup Date:
No Further Action: 4/8/2009
Next Update:
Date Closed:
Expedited Date:
Archive Date: 5/10/2011
Reopened Date:

Expidite: No
RBCANOFA: Yes
Archive: Yes
ARRA: No
Refer DGLSO Resp:
DGLSO Resp Desc:
Contractor: 223
Project Manager: M
LUST 1 Flag: Yes
LUST 1 Flag Dt: 9/30/2003
LUST 2A Flag: Yes
LUST 2A Flag Dt: 3/31/2005
LUST 2B Flag: No
LUST 2B Flag Dt:
LUST 3A Flag: Yes
LUST 3A Flag Dt: 9/30/2009
LUST 3B Flag: No
LUST 3B Flag Dt:
LUST 4 Flag: No
LUST 4 Flag Dt:
Moratorium: 0
No Monitoring Wells: 0
No Physical R: No
Guidance Used: 86
Comments:

Other Detail(s)

REM Source Desc:	Tank	Source Other Desc:	
REM Cause Desc:	Spill	Cause Other Desc:	
REM Tech Desc:	Excavation; Groundwater Monitoring; Other	Media Affected:	Ground Water; Soil

Site: COLUMBIA CITY OF
1514 BUS LOOP 70 COLUMBIA MO 65205

RCRA NON GEN

EPA Handler ID: MOP000028357
Gen Status Universe: No Report
Contact Name: ERIC EVANS
Contact Address: PO BOX N , , COLUMBIA , MO, 65205 , US
Contact Phone No and Ext: 573-874-6283
Contact Email:
Contact Country: US
County Name: BOONE
EPA Region: 07
Land Type: Municipal
Receive Date: 19990414

Violation/Evaluation Summary

Note: NO RECORDS: As of November 2019, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No

Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990414
Handler Name: COLUMBIA CITY OF
Generator Status Universe: No Report
Source Type: Notification

Waste Code Details

Hazardous Waste Code: NONE
Waste Code Description: DESCRIPTION

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Municipal
Name: CITY OF COLUMBIA
Date Became Current:
Date Ended Current:
Phone: 573-874-6283
Source Type: Notification

Street No:
Street 1: PO BOX N
Street 2:
City: COLUMBIA
State: MO
Country:
Zip Code: 65205

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Nov 25, 2019

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Nov 25, 2019

Deleted NPL:

DELETED NPL

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.

Government Publication Date: Nov 25, 2019

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Nov 25, 2019

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Nov 25, 2019

EPA Report on the Status of Open Dumps on Indian Lands:

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System -

[CERCLIS](#)

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned:

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

[RCRA CORRACTS](#)

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 18, 2019

RCRA non-CORRACTS TSD Facilities:

[RCRA TSD](#)

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 18, 2019

RCRA Generator List:

[RCRA LQG](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 18, 2019

RCRA Small Quantity Generators List:

[RCRA SQG](#)

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 18, 2019

RCRA Conditionally Exempt and Very Small Quantity Generators List:

[RCRA CESQG](#)

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 18, 2019

RCRA Non-Generators:

[RCRA NON GEN](#)

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 18, 2019

Federal Engineering Controls-ECs:

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jun 11, 2019

Federal Institutional Controls- ICs:

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Jun 11, 2019

Emergency Response Notification System:

[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

[ERNS](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing:

[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries:

REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 18, 2019

LIEN on Property:

SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Nov 25, 2019

Superfund Decision Documents:

SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Oct 25, 2019

State

Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites:

SHWS

Sites listed on and proposed for the Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites in Missouri maintained by the Missouri Department of Natural Resources. Sites listed on the Registry appear on a publicly available list, and a notice filed with the Recorder of Deeds documents hazardous waste contamination at the site. Notice regarding contamination must be provided by the seller to potential buyers. The use of a property listed on the Registry may not change substantially without the written approval of the department. List of sites is updated quarterly, details from the Registry Annual Report are released and updated annually. This database is state equivalent CERCLIS.

Government Publication Date: Jun 30, 2018

Site Management and Reporting System:

SMAR

Missouri's Department of Natural Resources (MDNR) maintains a Site Management and Reporting System (SMARS) managed by the Hazardous Waste Program. SMARS currently houses information for Superfund, Federal Facility, Brownfields Voluntary Cleanup Program (BVCP) and Missouri's other state response programs.

Government Publication Date: Dec 3, 2019

Delisted Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites:

DELISTED SHWS

The Missouri Department of Natural Resources would remove a record from the Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites, if the record is not a Registry Site. This list contains all such non-registry sites that are not included in the Registry Removed sites.

Government Publication Date: Sep 24, 2019

Registry Sites Removed or Action Suspended:

REMOVED SHWS

This is a list of registry sites that are removed or have action suspended from the Missouri Registry Annual Report Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites in Missouri. The Registry is made available by Missouri Department of Natural Resources.

Government Publication Date: Jun 30, 2018

Delisted Hazardous Waste Cleanup Sites:

DELISTED HWC

List of sites which once appeared on the Missouri Department of Natural Resources (MDNR)'s Hazardous Waste Program Cleanup Sites list, but have since been removed.

Government Publication Date: Nov 11, 2019

Registry Sites Withdrawn or Deleted:

DEL SHWS

This database contains a list of sites that were removed from the Registry of Confirmed Abandoned or Uncontrolled Hazardous Waste Disposal Sites, or Registry action was suspended due to cleanup. This database is state equivalent CERCLIS.

Government Publication Date: Sep 24, 2019

Hazardous Waste Cleanup Program Sites:

HWCP

Missouri's Department of Natural Resources (MDNR) manages a Hazardous Waste Program Cleanup Sites list that includes sites that were remediated or investigated under the oversight of the Hazardous Waste Program. These include Superfund, Federal Facilities, Resource Conservation and Recovery Act (RCRA) Corrective Action, and Brownfields/Voluntary Cleanup Program sites that fall under the following four categories: Active Sites, Long Term Stewardship Sites, Environmental Notice Sites and Completed Sites.

Government Publication Date: Nov 11, 2019

Solid Waste Facility List:

SWF/LF

List of landfill locations made available by the Missouri Department of Natural Resources. Includes Sanitary Landfills, Utility Waste Landfills, Industrial Waste Landfills, and Demolition Landfills.

Government Publication Date: Feb 11, 2019

Leaking Storage Tank:

LST

List of remediation facilities in the Missouri Department of Natural Resources (DNR)'s Underground Storage Tank and Aboveground Storage Tank Summary database.

Government Publication Date: Sep 24, 2019

Delisted Leaking Storage Tank:

DELISTED LST

This database contains a list of closed leaking storage tank sites that were removed from the Missouri Department of Natural Resources (DNR)'s Underground Storage Tank and Aboveground Storage Tank Summary database.

Government Publication Date: Sep 24, 2019

Petroleum Storage Tanks:

UST

List of Underground Storage Tank (UST) facilities included in the Missouri Department of Natural Resources (DNR)'s Underground Storage Tank summary database and the Environmental Site Tracking and Research Tool (E-START) .

Government Publication Date: Sep 24, 2019

Aboveground Storage Tanks:

AST

List of Aboveground Storage Tanks (ASTs) inspected by the Missouri Department of Agriculture's Petroleum/Propane/Anhydrous Ammonia Inspection Program.

Government Publication Date: Oct 30, 2019

Delisted Storage Tanks:

DEL TANK

This database contains a list of closed storage tank sites that were removed from the Missouri Department of Natural Resources (DNR)'s Underground Storage Tank summary database.

Government Publication Date: Oct 30, 2019

Activity and Use Limitations:

AUL

Missouri's Department of Natural Resources (MDNR) manages a Hazardous Waste Program Cleanup Sites list that includes sites that have Activity and Use Limitations in place. These mechanisms or controls ensure that exposure pathways to Contaminants of Concern (COCs) through current or reasonable future uses, are not completed for as long as the COCs pose an unacceptable risk to human health, public welfare or the environment.

Government Publication Date: Nov 11, 2019

Brownfields/Voluntary Cleanup Program:

VCP

The Missouri Department of Natural Resources Voluntary Cleanup Program is administered by the Hazardous Waste Program's Brownfields/Voluntary Cleanup Section to provide state oversight for voluntary cleanups of properties contaminated with hazardous substances. Many of the sites entering the BVCP are not heavily contaminated, and are contaminated by sources not addressed by any of Department of Natural Resources' regulatory programs such as Emergency Response, Superfund, Resource Conservation and Recovery Act or Petroleum Storage Tanks.

Government Publication Date: Dec 3, 2019

Brownfields Assessment Sites List:

BROWNFIELDS

The Missouri Department of Natural Resources Brownfields/Voluntary Cleanup Program (BVCP) under a cooperative agreement with the U.S. Environmental Protection Agency (EPA) conducts brownfields site-specific assessments of properties for public entities such as cities, counties and quasi-governmental entities, as well as for not-for-profit organizations. The site-specific assessment program provides funding and technical assistance to help communities assess properties. An assessment provides valuable information that can aid in making decisions regarding the future of the property.

Government Publication Date: Dec 3, 2019

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 7, which includes Missouri. There are no LUST records in Missouri at this time.

Government Publication Date: Oct 12, 2017

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST

USTs on Tribal/Indian Lands in Region 7, which includes Missouri. There are no UST records in Missouri at this time.

Government Publication Date: Oct 12, 2017

Delisted Tribal Leaking Storage Tanks:

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: May 2, 2019

Delisted Tribal Underground Storage Tanks:

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: May 2, 2019

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites:

PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 15, 2019

Facility Registry Service/Facility Index:

FINDS/FRS

The US Environmental Protection Agency (EPA)'s Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, data collected from EPA's Central Data Exchange registrations and data management personnel.

Government Publication Date: Nov 6, 2019

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Dec 31, 2017

Perfluorinated Alkyl Substances (PFAS) Releases:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Dec 31, 2017

Perfluorinated Alkyl Substances (PFAS) Water Contamination:

PFAS WATER CONTAM

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Dec 20, 2019

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2019

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Sep 26, 2019

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Jun 30, 2017

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 25, 2019

State Coalition for Remediation of Drycleaners Listing:

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

[ICIS](#)

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities:

[FED DRYCLEANERS](#)

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 29, 2018

Delisted Drycleaner Facilities:

[DELISTED FED DRY](#)

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 29, 2018

Formerly Used Defense Sites:

[FUDS](#)

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Oct 23, 2018

Material Licensing Tracking System (MLTS):

[MLTS](#)

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Nov 1, 2018

Historic Material Licensing Tracking System (MLTS) sites:

[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

[MINES](#)

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: May 3, 2019

Alternative Fueling Stations:

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jan 8, 2020

Registered Pesticide Establishments:

[SSTS](#)

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: May 31, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

[PCB](#)

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Per- and Polyfluoroalkyl Substances (PFAS):

[PFAS](#)

A list of sites where PFAS/PFOS or a PFOS or PFAS-containing material is currently or ever has been: manufactured, used, stored, disposed of, or released. This list is made available by the Missouri Department of Natural Resources.

Government Publication Date: Nov 8, 2019

Dry Cleaner List:

[DRYCLEANERS](#)

List of sites included in the Dry Cleaner List made available by the Missouri Department of Natural Resources. Includes sites that are known or thought to have been a dry cleaning facility at one time.

Government Publication Date: Nov 30, 2017

Delisted Dry Cleaner:

[DELISTED DRYCLEANERS](#)

List of sites which once appeared on - and have since been removed from - the list of dry cleaners made available by the Missouri Department of Natural Resources.

Government Publication Date: Nov 30, 2017

Environmental Incident Summary Database:

[SPILLS](#)

List of hazardous substance release incidents reported to and entered in the Missouri Department of Natural Resources' Environmental Emergency Response Tracking System.

Government Publication Date: Oct 10, 2019

Tier 2 Report:

[TIER 2](#)

A list of Tier 2 facilities in Missouri. This list is made available by the State Emergency Management Agency (SEMA), a division of the Department of Public Safety. SEMA is the state of Missouri's coordinating agency for disaster planning, response, and recovery.

Government Publication Date: Jul 9, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

Interview Documentation

**PHASE I ESA
USER QUESTIONNAIRE**

As defined by the ASTM Designation E 1527-13, in order for one of the Landowner Liability Protections¹ offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the *user* of the Phase I ESA must provide the following information (if available):

Name of Property: 1206 Bowling Street

Person Completing Questionnaire: Ryan Williams - Assistant Utilities Director

1. Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

No

2. Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULs, such as engineering controls, land use restriction, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

No

3. Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protection (40 CFR 312.28). As the *user* of this ESA 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 as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29). Does the purchase price for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Purchase Price based on Appraised value. No known contamination

¹ Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("Common Elements" Guide) issued March 6, 2003.

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.29). Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as the *user*,

- a) Do you know the past uses of the property? *Muttler Shop, Carpet Business*
- b) Do you know of specific chemicals that are present or once were present at the property? *No*
- c) Do you know of spills or other chemical releases that have taken place at the property? *No*
- d) Do you know of any environmental cleanups that have taken place at the property? *No*

6. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the *user* of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination on the property?

No

APPENDIX 4

Historical Research Documentation

HIG Research Summary of City Directories

Aerial Photographs

Fire Insurance Maps

Historical Topographic Maps

HIG Research Summary of City Directories



CITY DIRECTORY

Project Property: *1206 Bowling Street Property
1206 Bowling Street
Columbia, MO 65201*

Project No: *20200120022*

Requested By: *Midwest Environmental Consultants*

Order No: *20200120022*

Date Completed: *January 22, 2020*

January 22, 2020
RE: CITY DIRECTORY RESEARCH
1206 Bowling Street Property
1206 Bowling Street Columbia, MO

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

All of Bowling Street

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2014	DIGITAL BUSINESS DIRECTORY	
2010	DIGITAL BUSINESS DIRECTORY	
2006	POLKS	
2001	POLKS	
1996	POLKS	
1991	POLKS	
1986	POLKS	
1981	POLKS	
1976	POLKS	
1971	POLKS	
1966	POLKS	
1961	POLKS	
1956	POLKS	
1951	POLKS	
1949	POLKS	
1940	POLKS	

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- 108 PROGRESSIVE PROTOTYPE...*Machine Shops*
- 1200 TRADITIONS IN WOODWORKING INC...*Cabine*
- 1206 CARPET MART INC...*Carpet & Rug-distrib*

- 108 PROGRESSIVE PROTOTYPE...*Machine Shops<*
- 1206 CARPET MART INC...*Floor Covering Store*
- 1208 JERRY'S MUFFLER SHOP GARAGE...*General*

- 1200 TRADITIONS IN WOODWORKING...*Finish Car*
- 1206 CARPET MART INC...*Floor Covering Store*
- 1208 JERRYS MUFFLER SHOP & GARAGE...*General*

BOWLING ST (COLUMBIA)-FROM 1593 BUSINESS LOOP 70 E

+ RAILROAD CONTINUES

• ZIP CODE 65201 CAR-RT C025

1200 TRADITIONS IN WOODWORKING cabinet makers

.....573-875-8747

1206 No Current Listing

A CARPET MART INC carpet & rug dlrs- new573-874-7900

1208 No Current Listing

A JERRY'S MUFFLER SHOP & GARAGE auto rpr & serv

.....573-874-7950

B PROGRESSIVE PROTOTYPE mach shops573-875-1562

+ BUSINESS LOOP 70 E CONTINUES

+ MORES BLVD INTERSECTS

+ ASHLEY ST ENDS

BUSINESSES 4

HOUSEHOLDS 2

BOWLING ST (COLUMBIA)-FROM

1593 BUSINESS LOOP 70 E

. ZIP CODE 65201 CAR-RT C025

1200 TRADITIONS IN
WOODWORKING carp wk

875-8747

1204 JS AUTOMOTIVE MACHINE
SHOP engine repr.. 443-2343

1206 CARPET MART THE carpets
874-7900

INTERSTATE COMPUTING

software programming a

449-5505

**+ BUSINESS LOOP 70 E
CONTINUES**

+ MORES BLVD BEGINS

+ ASHLEY ST ENDS

BUSINESSES 4

**BOWLING ST -FROM WABASH RY AT A
POINT SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

10

. ZIP CODE 65201

1106 CITY WATER & LIGHT DEPT load
mgmt serv 874-6259

1200 TRADITION IN WOODWORKING INC
custom cabinet & wood floors.... 875-8747

1204 J S AUTOMOTIVE MACHINE SHOP
..... 443-2343

1206a CARPET MART THE 874-7900
INTERSTATE COMPUTER computers

..... 449-5505

1208a JERRY'S MUFFLER SHOP &
GARAGE 874-7950

1208b PROGRESSIVE PROTOTYPE mach
shop 875-1562

BUSINESSES 7

10

**BOWLING ST -FROM WABASH RY AT
A POINT SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

ZIP CODE 65201

1106 Bee Seen Signs Inc 449-5404

1200 Odneal Construction Co bldg contrs
875-2174

1204 J S Automotive Machine Shop auto
mach shop 443-2343

1206a Carpet Mart the 874-7900

1208a Jerry's Muffler Shop & Garage
874-7950

1208b Progressive Prototype mach shop
875-1562

10

**BOWLING ST -FROM WABASH RY AT
A POINT SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

ZIP CODE 65201

1106 Bee Seen Signs Inc 449-5404

1200 Odneal Construction Co bldg contrs
875-2174

Odneal Designs 442-4017

1204 Vacant

1206a Carpet Mart The 874-7900

1206b Columbia Auto Trim uphol 443-2036

1208a Jerry's Muffler Shop & Garage
874-7950

1208b Progressive Prototype mach shop
875-1562

1509 Veterans Of Foreign Wars Post 280
442-8413

10

**BOWLING ST —FROM WABASH RY AT
A POINT SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

· ZIP CODE 65201

1104 Vacant

1106 Davis & Hourigan Signs 449-5404

1200 Odneal Construction Co 445-1743

1204 Roger's Trane Heating And Air
Conditioning 449-5810

1208a Kitchen Koncepts Of Columbia cabts
449-0569

1208b Columbia Auto Trim auto uphol
443-2036

1213 Central Missouri Automotive 875-3120

1509 Veterans Of Foreign Wars Post 280
442-8413

10

**BOWLING ST —FROM WABASH RY AT
A POINT SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

ZIP CODE 65201

1104★Fredrickson Dave ©

1106 Davis & Hourigan Signs 449-5404

1200 Wade C M © 449-6813

1204 Vacant

1206 Columbia Public School Vocational Shop

1208a Solid State Systems Warehouse
electronic parts retail 442-0878

1208b Columbia Auto Trim auto uphol
443-2036

end Veterans Of Foreign Wars Post 280
442-9717

10

**BOWLING ST —FROM
WABASH RY AT A POINT
SOUTH OF 1500 E BUSINESS
LOOP 70 NORTH**

ZIP CODE 65201

1104 Treece Roger 449-7027

1106 Columbia Home Beautifier
int dec 443-7386

Rhamsey Richd E ©
443-7386

1200 Wade C M

1204 Walls Gary J 442-3498

1206 Vacant

1208 Laughay James

10

**BOWLING--From Wabash Ry
at a point south of 1500 E
Business Loop 70 north**

Zip Code 65201

1103 Hutchins Howard E ©
442-8198

BOWLING--Contd

1104 Treece John R 449-7027

1105 Maef Marilyn Mrs
442-8603

1106 Winigear Tommy W ©

1107 Forbis Liza B Mrs ©
442-1440

1109 Barnes Gordon T ©
442-3604

1200 Vacant

1201 Vacant

1204 Lane Edwin L © 442-6003

1205 Hunt Saml S 442-6506

1206 York Jos J

1208 Vacant

1210 Vacant

14

CHARLES (Formerly Bowling) — From McAlester north to E Hwy 40, 1 east of Oyama

801 Pauley Robt L ©
GI3-3954

801½ Baker Chas

807 Stemmons Perry W ©
GI2-3607

808 Rutledge Tom GI2-9292

812 Hellweg Ralph GI2-2032

Vine intersects

901 Meyer Rosalie E ©
GI3-3705

905 Luebbert Virgil GI2-
9558

906 Turner Chas S © GI2-7978

Gordon intersects

1010 New Paul E © GI2-6956

Ammonette intersects

1104 Jones John T © GI2-8788

1200 Lay Kermit © GI2-5507

bsmt Smith Patsy T GI2-7245

1202 Bluml Felix GI2-8506

1204 Schulz Edw

14

CHARLES (Formerly Bowling) — From McAlester north to E Hwy 40, 1 east of Oyama

113△Meyer Rosalie E ©

203△Glover Edw W ©

701△Pauley Robt L ©

rear McClain Chester A

704△Williams Elmer W ©

706△Giles Lawrence G

707△Ranz K Blanche Mrs ©

800△McCallister Marion V ©

898△Graves Elgin R jr

Andrews Harold E

900 James Marvin E M

902△Hofbauer Victor

△Bowyer Carlton H

1008△Dardarian Adam K

1700 No return

10

BOWLING—From 1503 E Highway 40,
north to city limits
†Lakeview av intersects (not
open)
†City limits

14

BOWLING—From McAlester north to
E Highway 40, 1 east of Oyama
1700△Pauley Robt L ◎
113△Meyer Wm H ◎
704 Dalton James P ◎
706△Hill Edw ◎
†Gordon intersects
800△McCallister Marion V ◎
†Monroe ends (not open)
†E Highway 40 intersects

20

10

BOWLING—From 1503 E Highway
40, north to city limits
(No houses)
Lakeview av intersects
(not open)
City limits

14

BOWLING—From McAlester north
to E Highway 40, 1 east of Oyama
1700Δ Pauley Robt L ●
113Δ Meyer Wm H ●
706Δ Hill Edw ●
Gordon intersects
800Δ McCallister Marion ●
Monroe ends (not open)
E Highway 40 intersects

1918Δ Victor Warder W ●
BOWLING—From 1601 Mores blvd
north to city limits, extension of
Highland
BOWLING—From McAlester north
to Mores blvd, 1 east of Hwy 63
20Δ Victor Warder W
Gordon ends
113Δ Meyer Wm H ●
Monroe ends
800Δ Heisler John F
Ammonette ends
1700Δ Pauley Robt L ●

Aerial Photographs



HISTORICAL AERIALS

Project Property: 1206 Bowling Street Property
1206 Bowling Street
Columbia MO 65201

Requested By: Midwest Environmental Consultants

Order No: 20200120022

Data Completed: January 21,2020

Date	Source	Source Scale	Comments
2018	National Agriculture Information Program	1" to 500'	
2016	National Agriculture Information Program	1" to 500'	
2014	National Agriculture Information Program	1" to 500'	
2012	National Agriculture Information Program	1" to 500'	
2010	National Agriculture Information Program	1" to 500'	
2009	National Agriculture Information Program	1" to 500'	
2007	National Agriculture Information Program	1" to 500'	
2006	National Agriculture Information Program	1" to 500'	
2005	National Agriculture Information Program	1" to 500'	
2003	National Agriculture Information Program	1" to 500'	
1995	US Geological Survey	1" to 500'	
1986	National High Altitude Photography	1" to 500'	
1983	National High Altitude Photography	1" to 500'	
1974	US Geological Survey	1" to 500'	
1965	US Geological Survey	1" to 500'	
1950	Army Mapping Service	1" to 500'	
1945	Agriculture and Soil Conservation Service	1" to 500'	

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Year:2018
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022



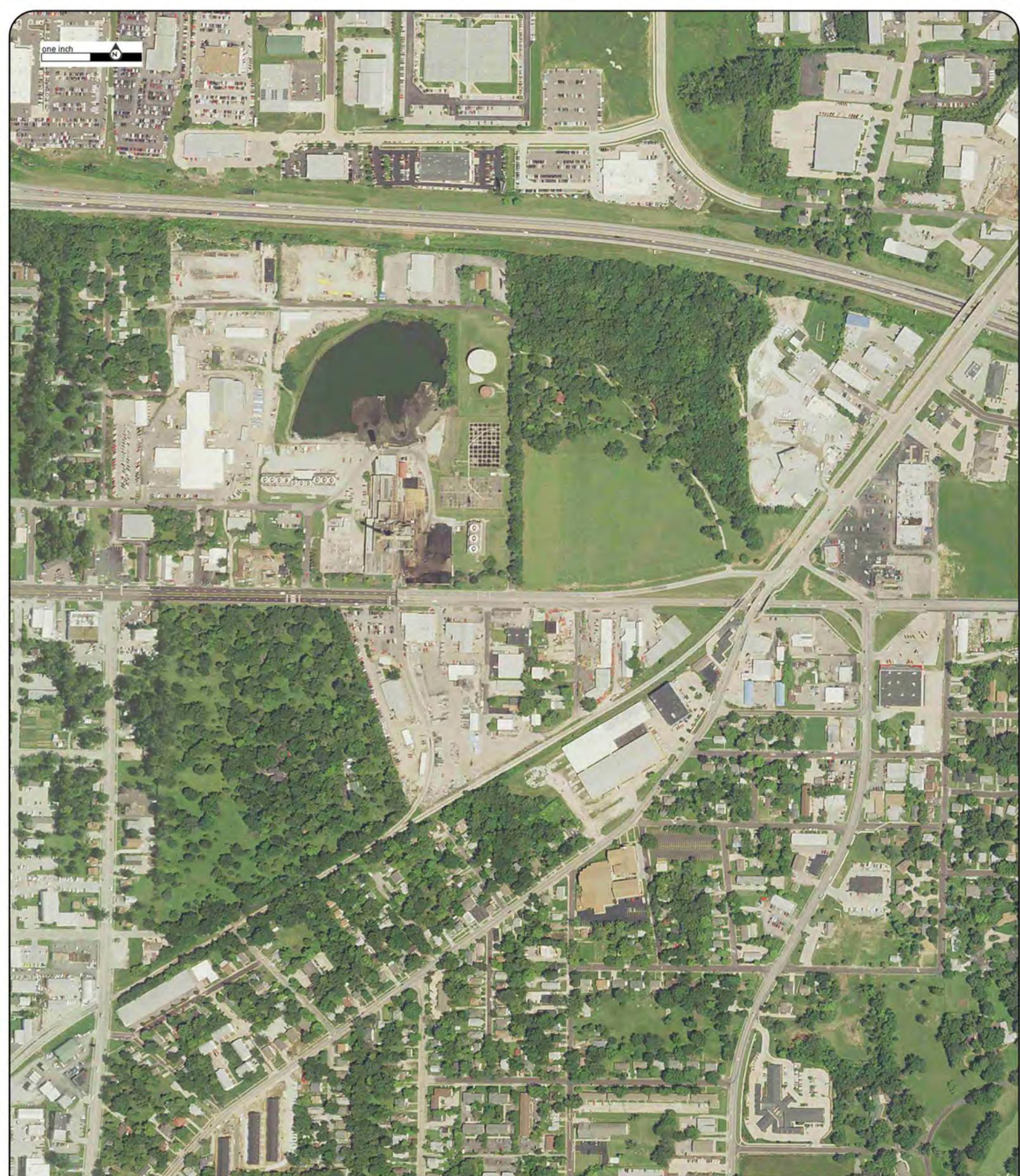


Year:2016
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022





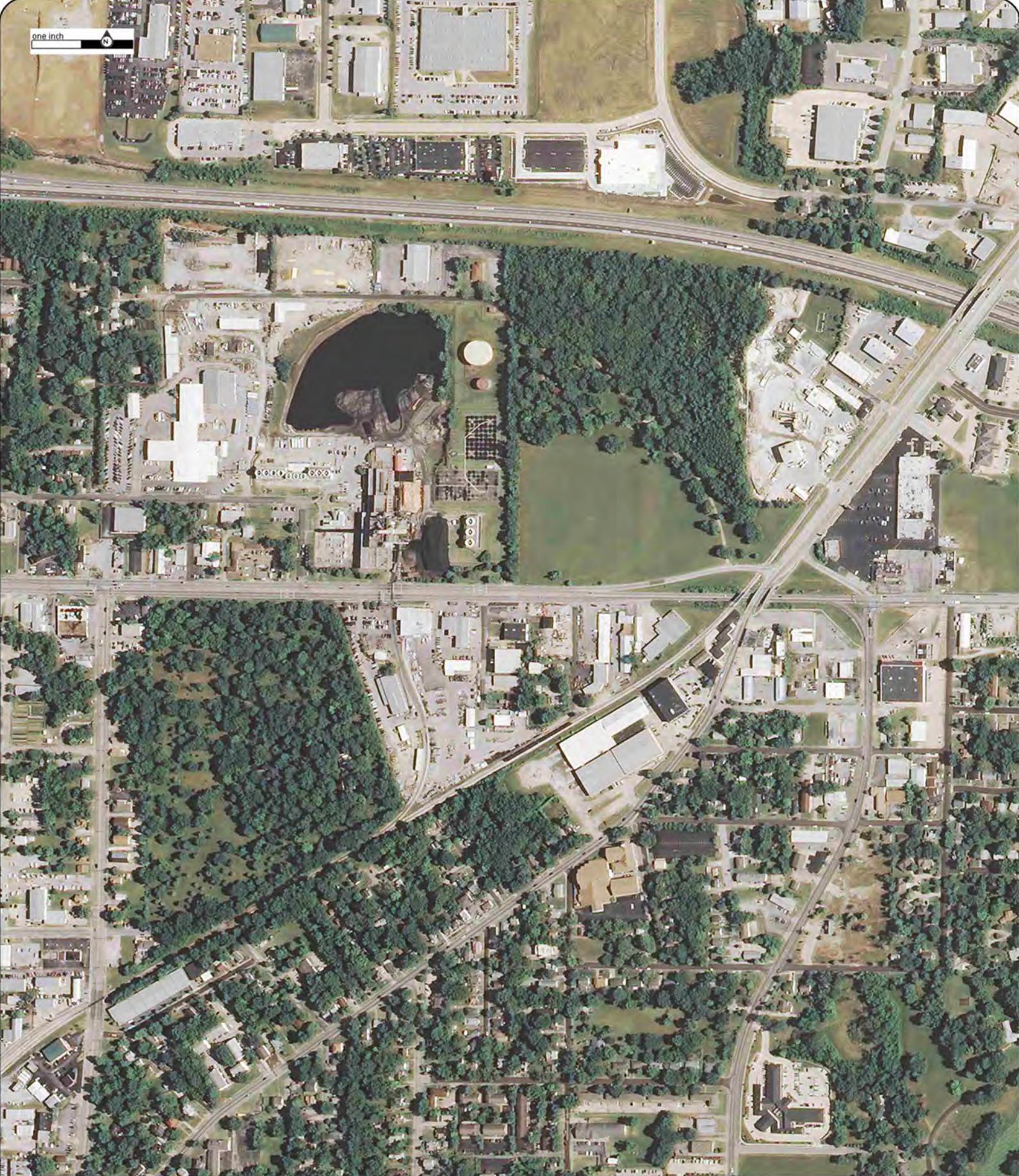
Year:2014
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022



one inch



Year:2012

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NAIP

Approx Center:38.963183/-92.315229

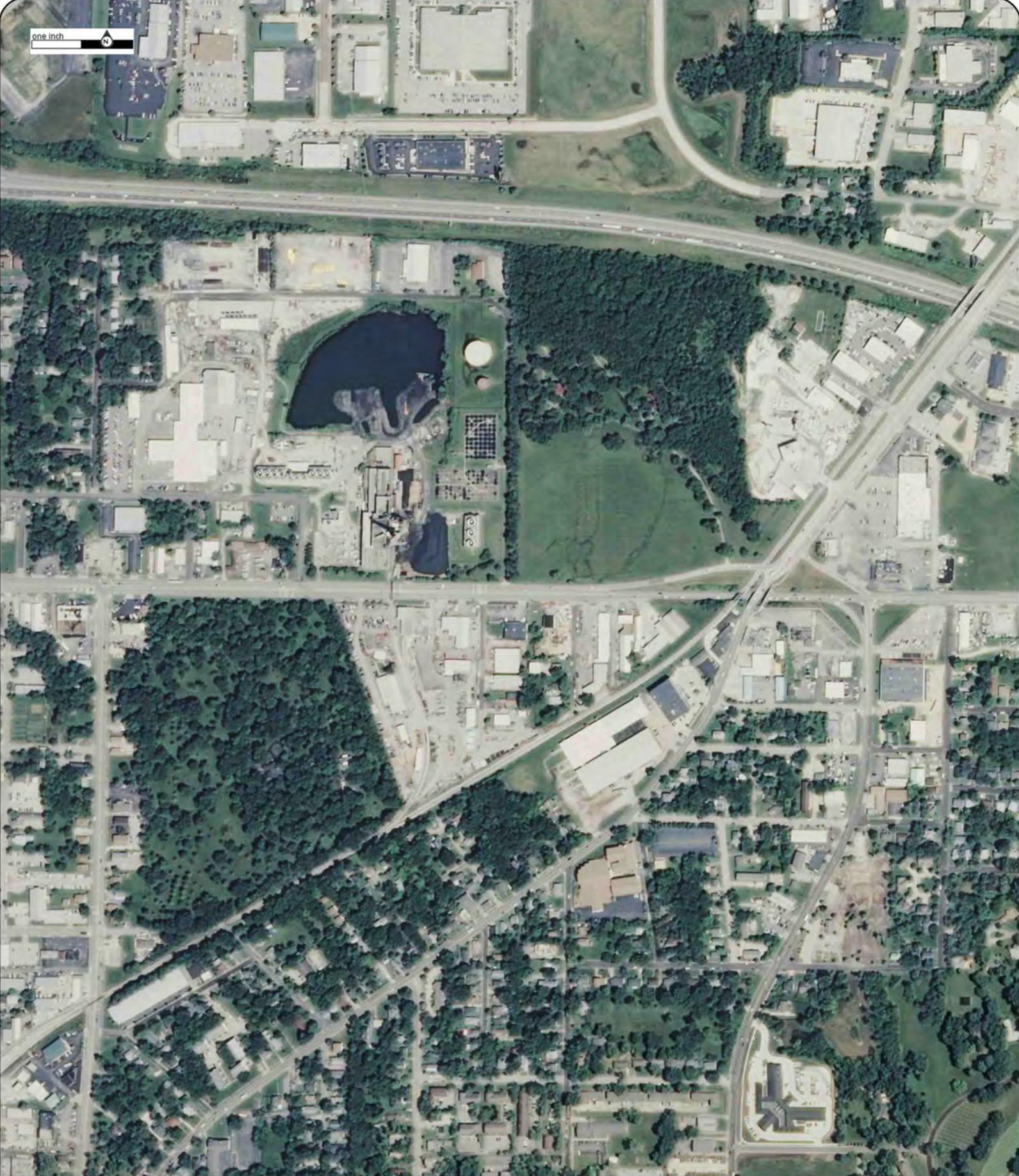
Scale:1" to 500'

Comment:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



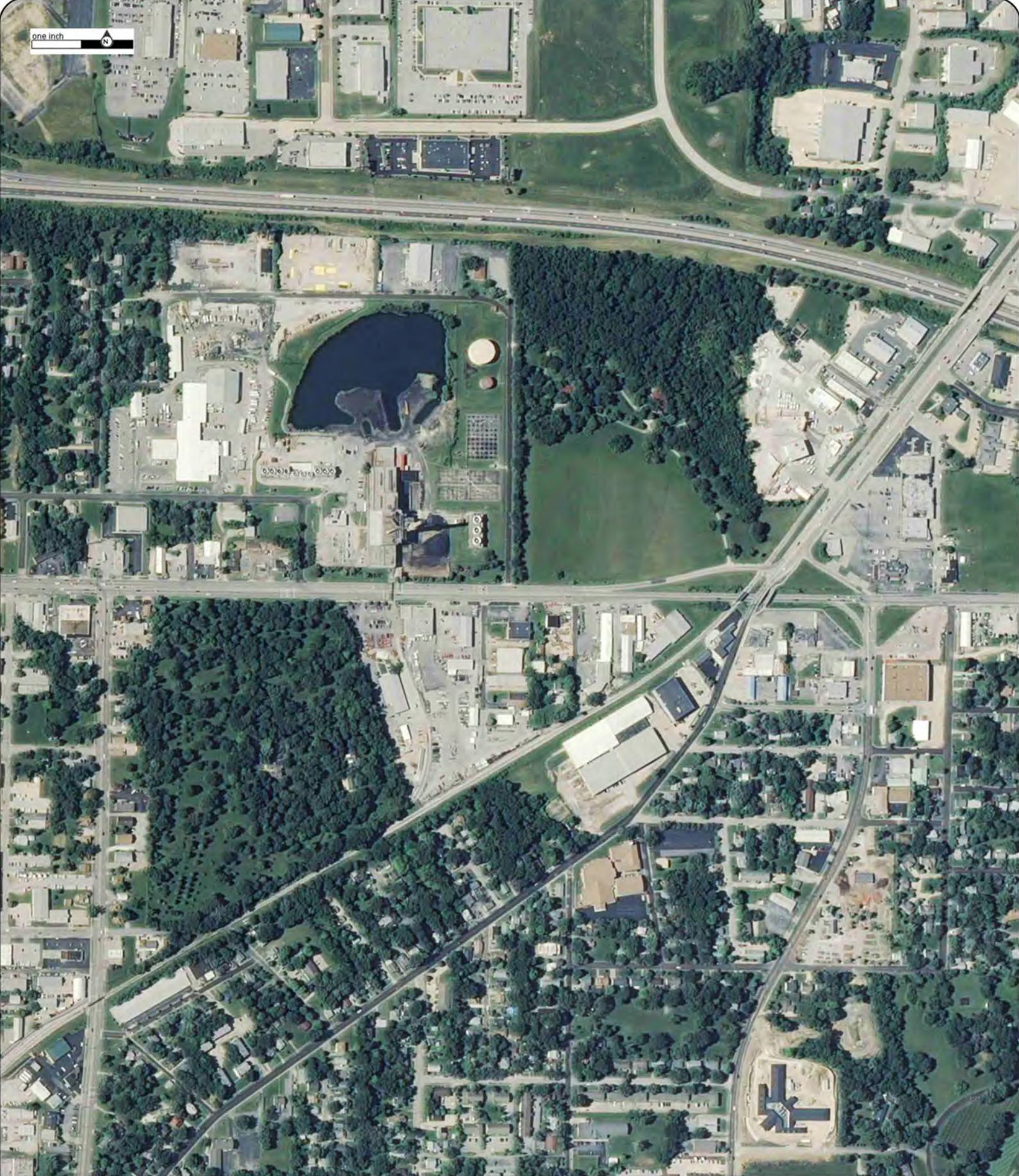
Year:2010
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022



one inch



Year:2009

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NAIP

Approx Center:38.963183/-92.315229

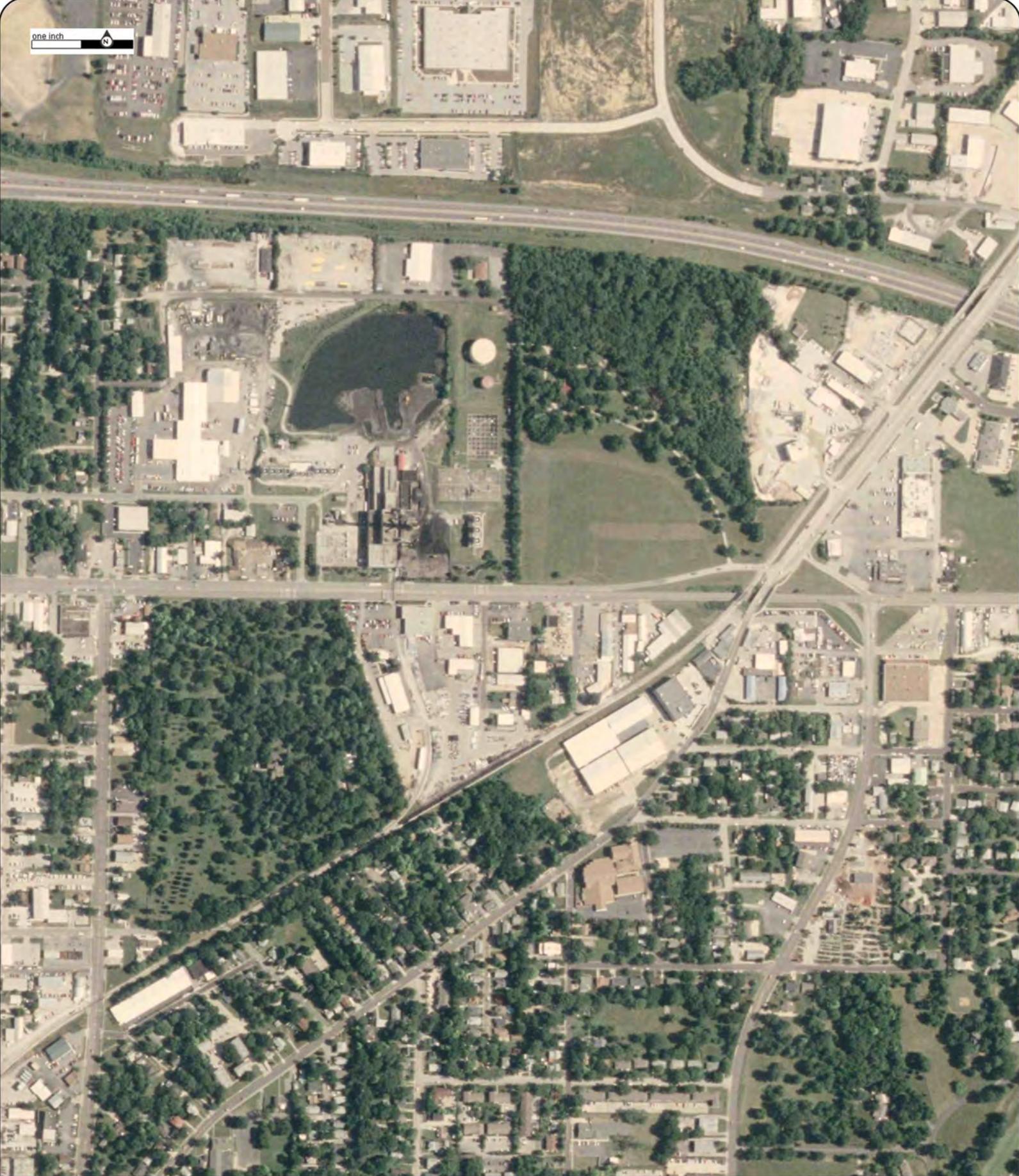
Scale:1" to 500'

Comment:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:2007

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NAIP

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:





one inch



Year:2006

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NAIP

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES





Year:2005
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022





Year:2003
Source:NAIP
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022





one inch



Year:1995

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:USGS

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:1986

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NHAP

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:



one inch



Year:1983

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:NHAP

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:



one inch



Year:1974

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:USGS

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:1965

Address:1206 Bowling Street,Columbia,MO

Order No:20200120022

Source:USGS

Approx Center:38.963183/-92.315229

Scale:1" to 500'

Comment:



one inch



Year:1950
Source:AMS
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



one inch



Year:1945
Source:ASCS
Scale:1" to 500'
Comment:

Address:1206 Bowling Street,Columbia,MO
Approx Center:38.963183/-92.315229

Order No:20200120022



Fire Insurance Maps



FIRE INSURANCE MAPS

Project Property: 1206 Bowling Street Property
1206 Bowling Street
Columbia MO 65201

Project No:

Requested By: Midwest Environmental Consultants

Order No: 20200120022

Date Completed: January 20, 2020

Environmental Risk Information Services

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Listed below, please find the results of our search for historic fire insurance maps from our in-house collection, performed in conjunction with your ERIS report.

Date	City	State	Volume	Sheet Number(s)
1968	Columbia	Missouri		16, 21

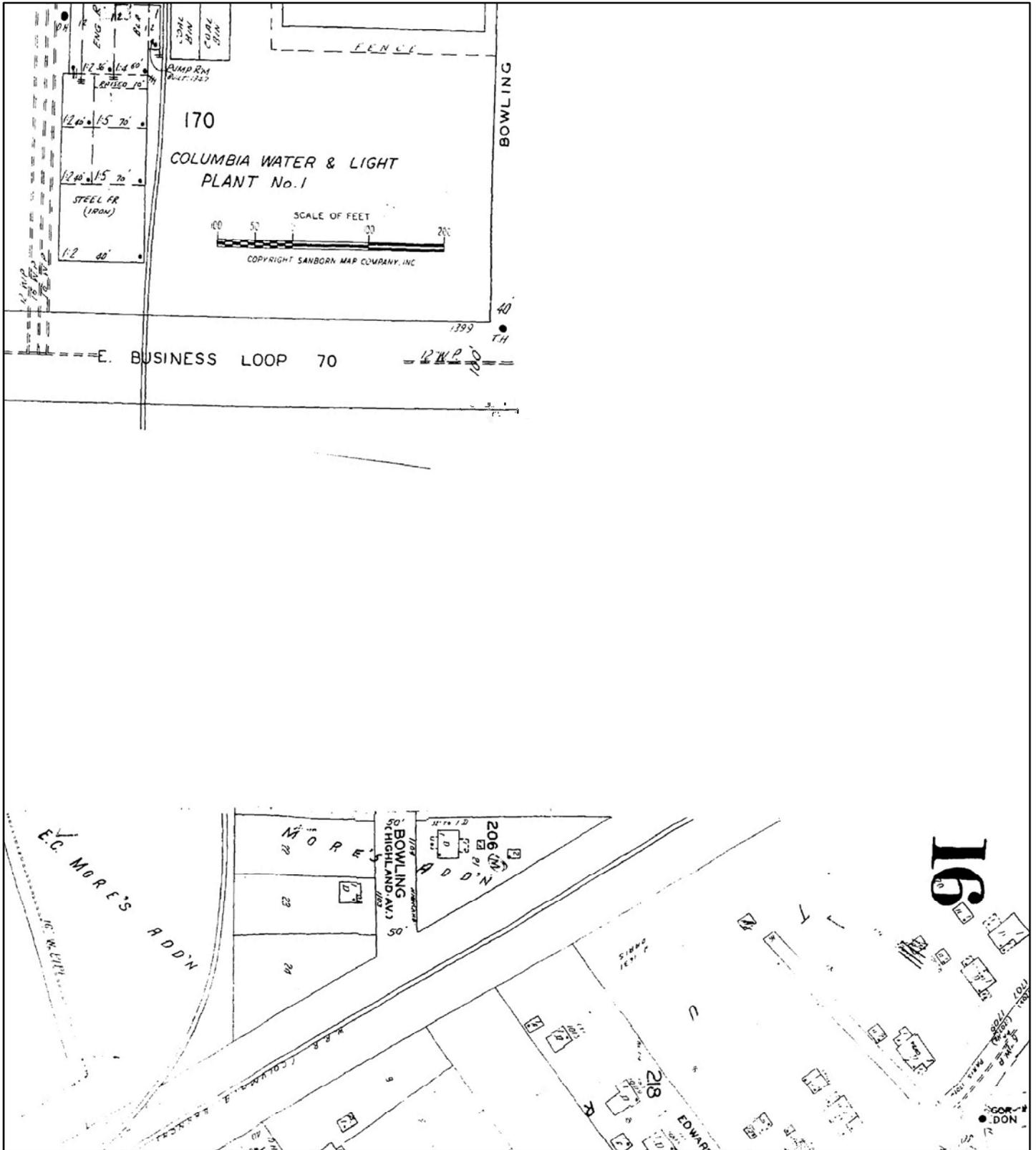
Individual Fire Insurance Maps for the subject property and/or adjacent sites are included with the ERIS environmental database report to be used for research purposes only and cannot be resold for any other commercial uses other than for use in a Phase I environmental assessment.

Environmental Risk Information Services

A division of Glacier Media Inc.

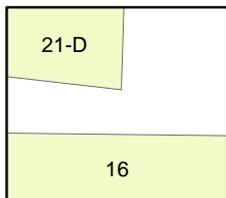
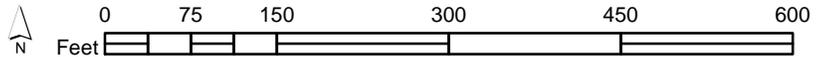
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Fire Insurance Map



1968

Address: 1206 Bowling Street Columbia MO 65201



Map sheet(s):
Volume NA:16,21;

Order Number 20200120022

Historical Topographic Maps



TOPOGRAPHIC MAPS

Project Property: 1206 Bowling Street Property
1206 Bowling Street
Columbia MO 65201

Project No:

Requested By: Midwest Environmental Consultants

Order No: 20200120022

Date Completed: January 21, 2020

Environmental Risk Information Services

A division of Glacier Media Inc.

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2017	7.5
1981	7.5
1974	7.5
1967	7.5
1950	7.5
1948	7.5
1940	7.5
1935	7.5
1950	15
1948	15

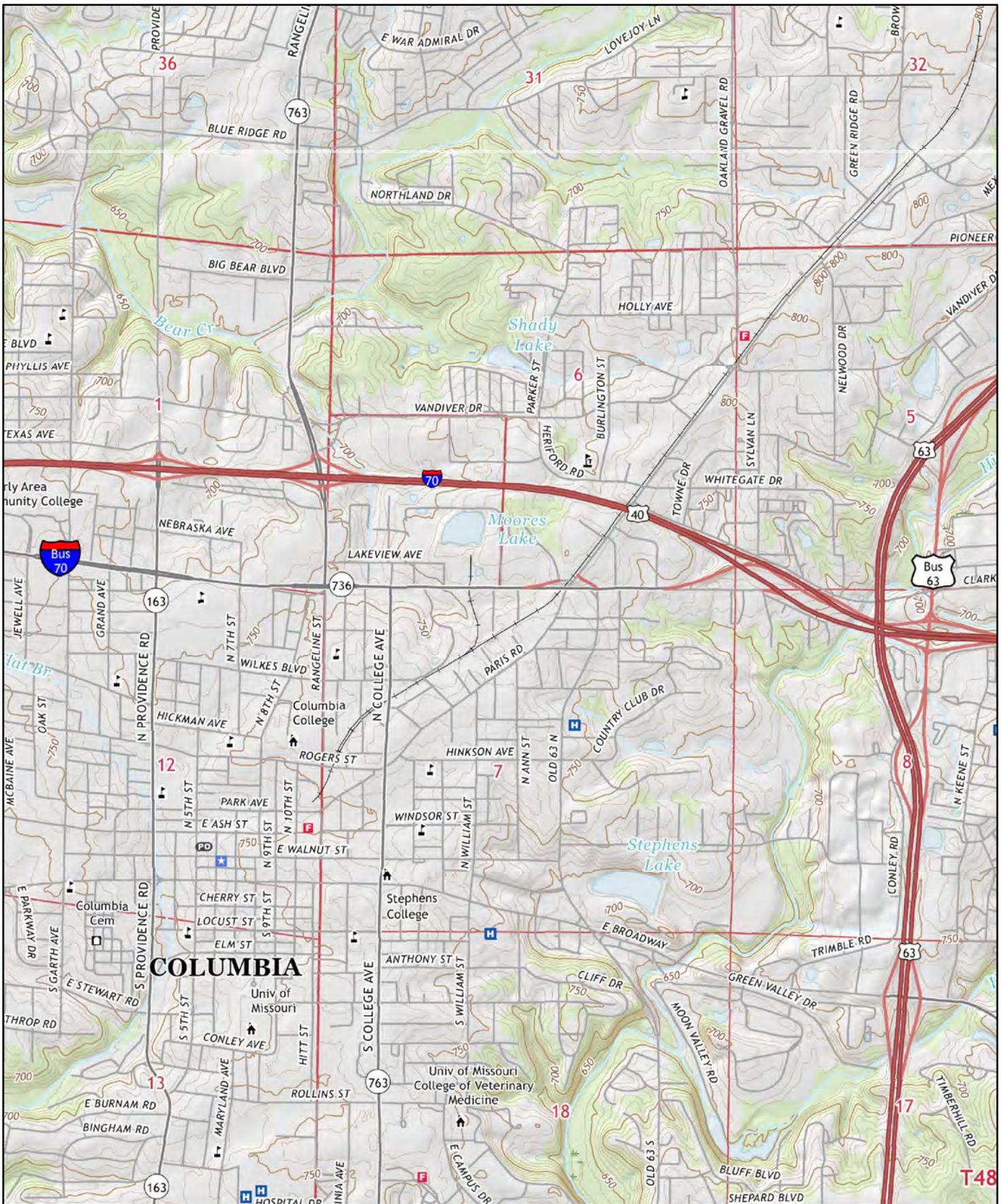
Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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2017

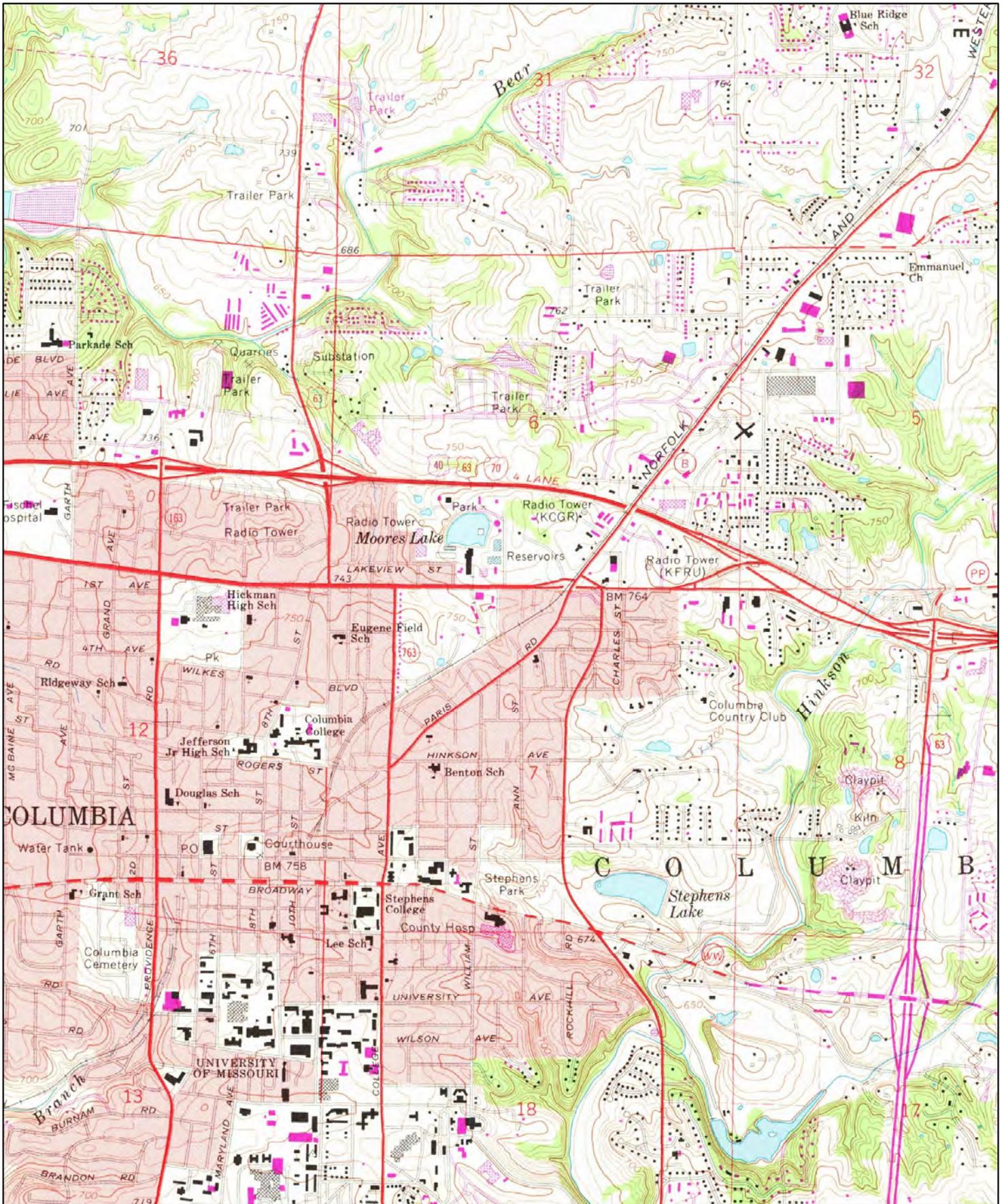


Order No. 20200120022

Quadrangle(s): Columbia, MO

Source: USGS 7.5 Minute Topographic Map





1981

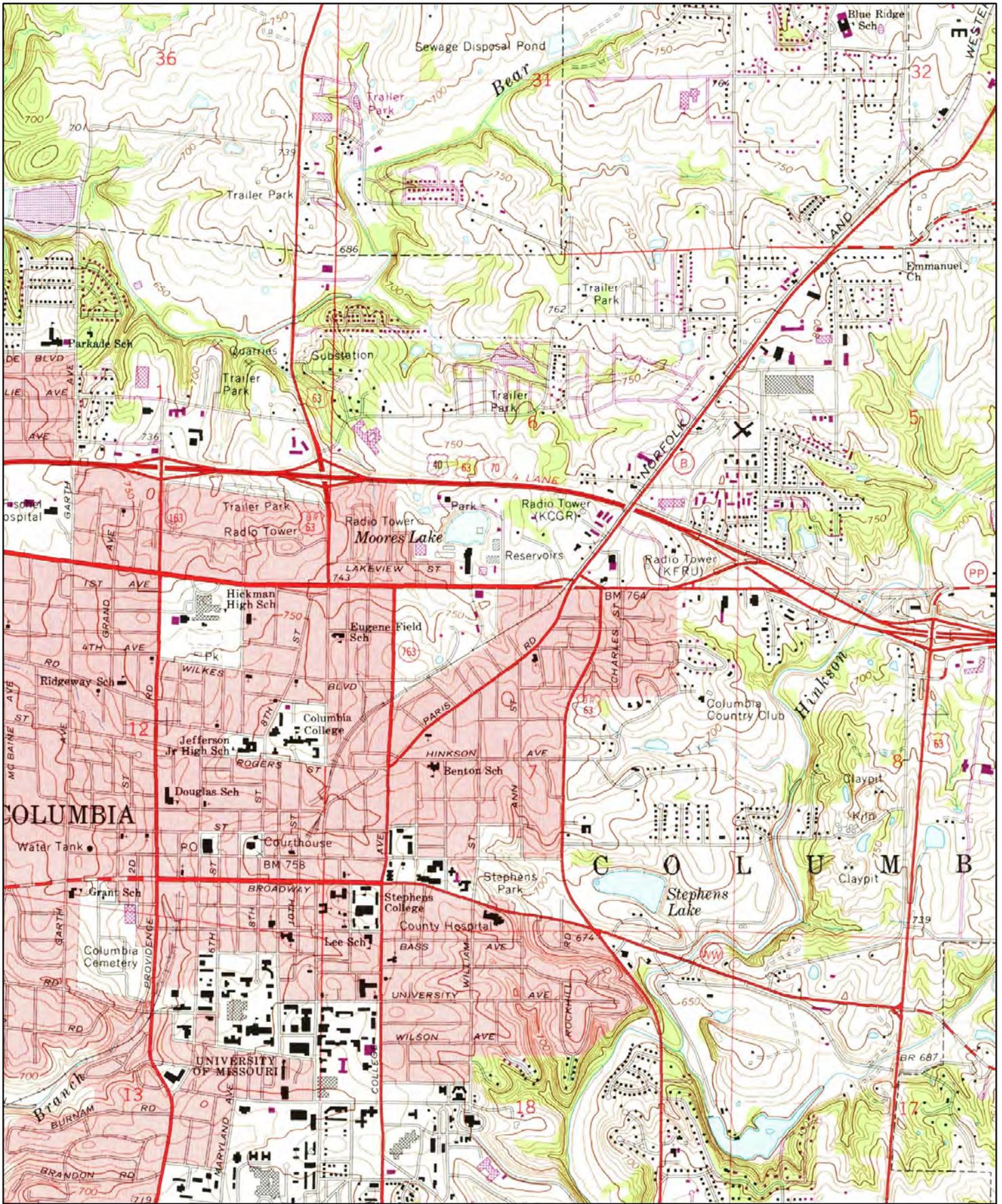


Order No. 20200120022

Quadrangle(s): Columbia,MO

Source: USGS 7.5 Minute Topographic Map





1974

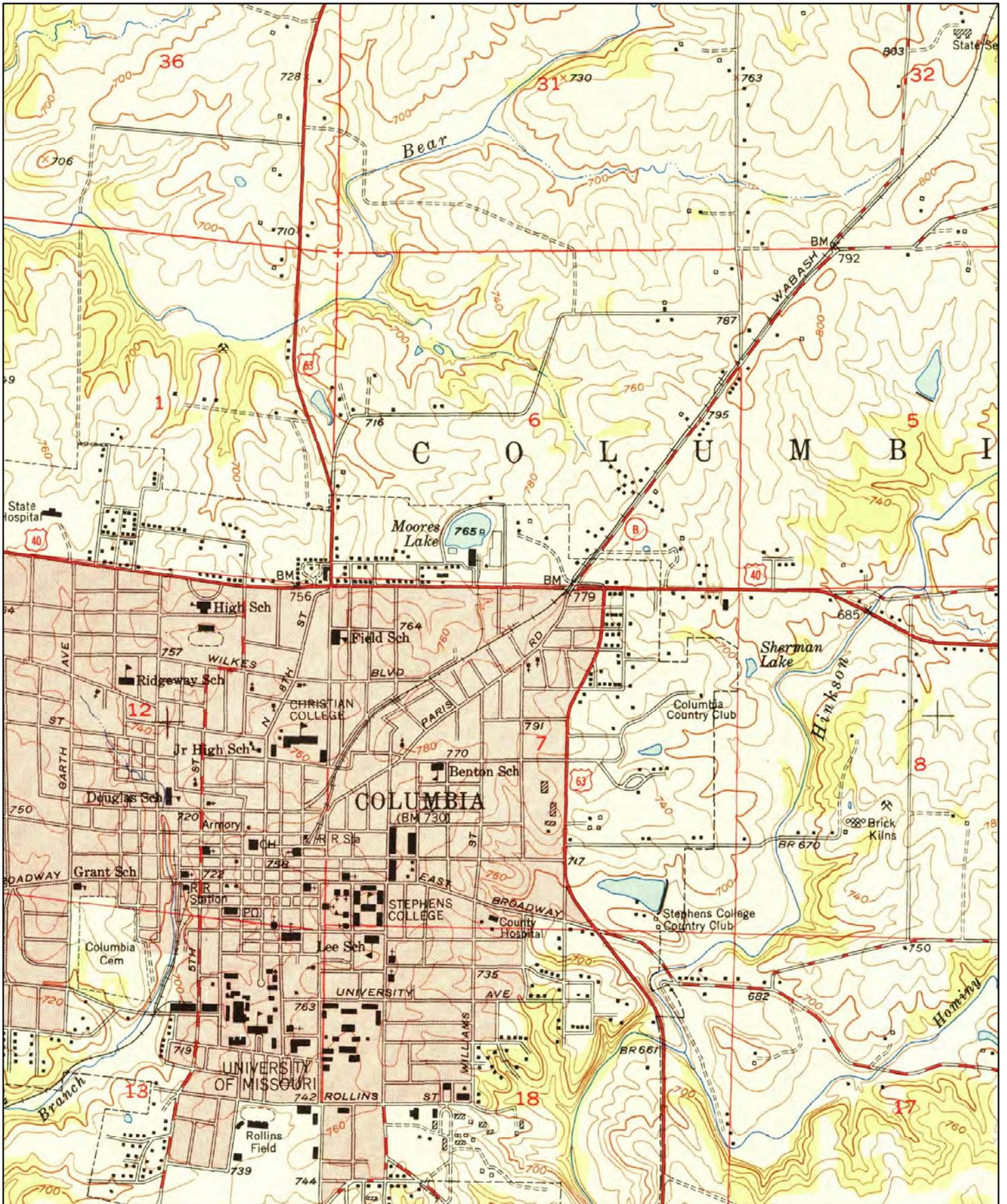


Order No. 20200120022

Quadrangle(s): Columbia,MO

Source: USGS 7.5 Minute Topographic Map





1950

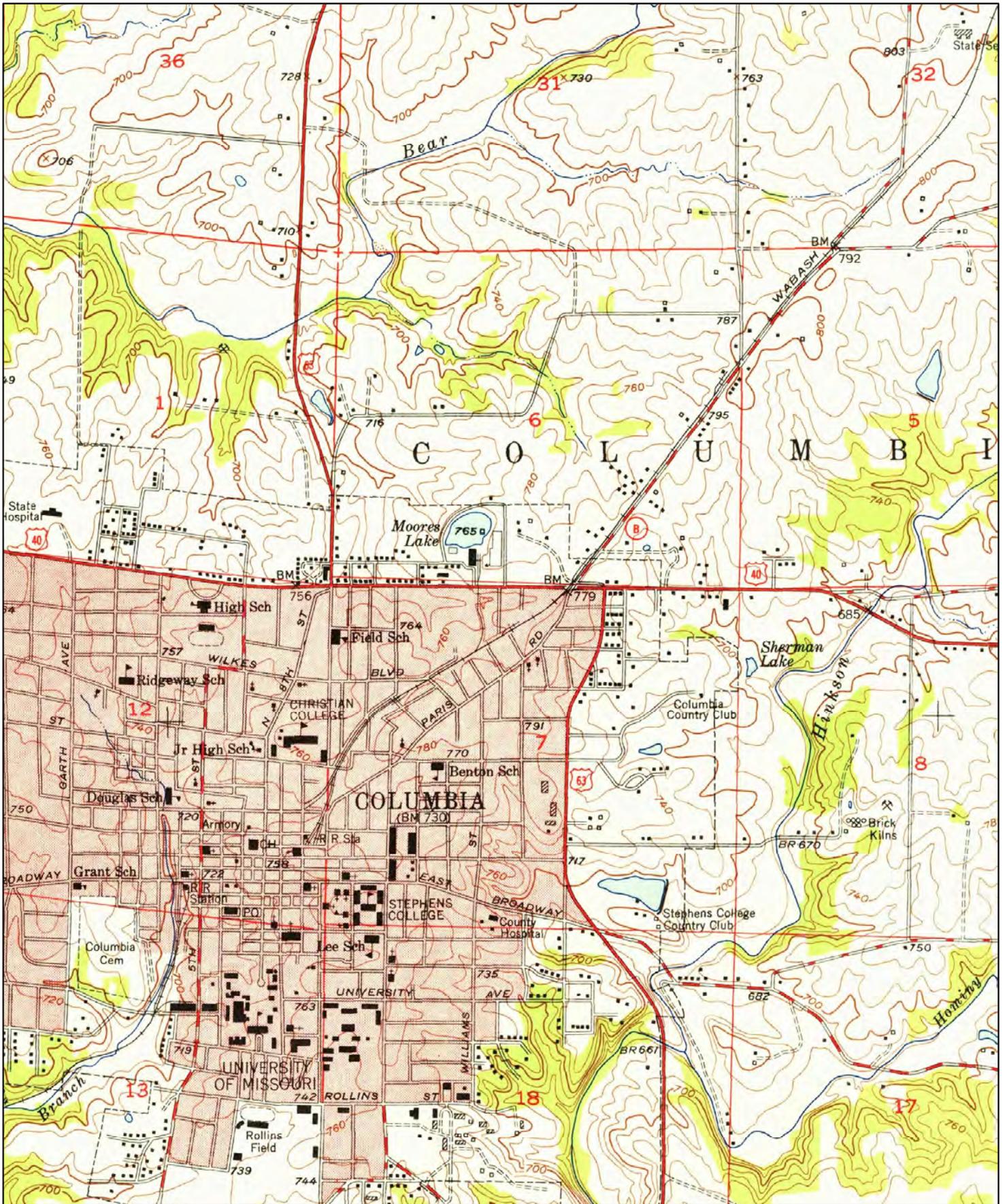


Order No. 20200120022

Quadrangle(s): Columbia, MO

Source: USGS 7.5 Minute Topographic Map





1948

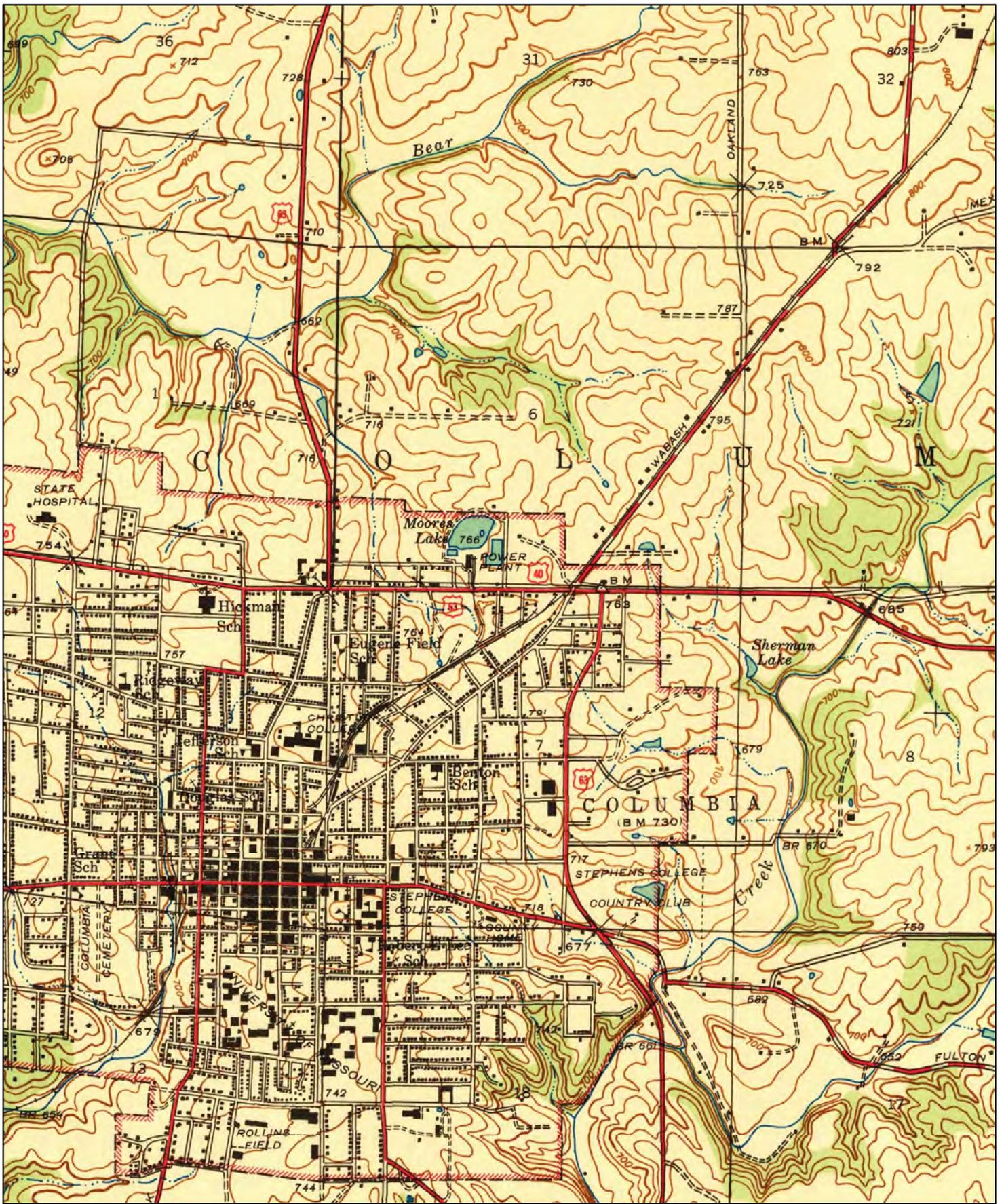


Order No. 20200120022

Quadrangle(s): Columbia, MO

Source: USGS 7.5 Minute Topographic Map





1940

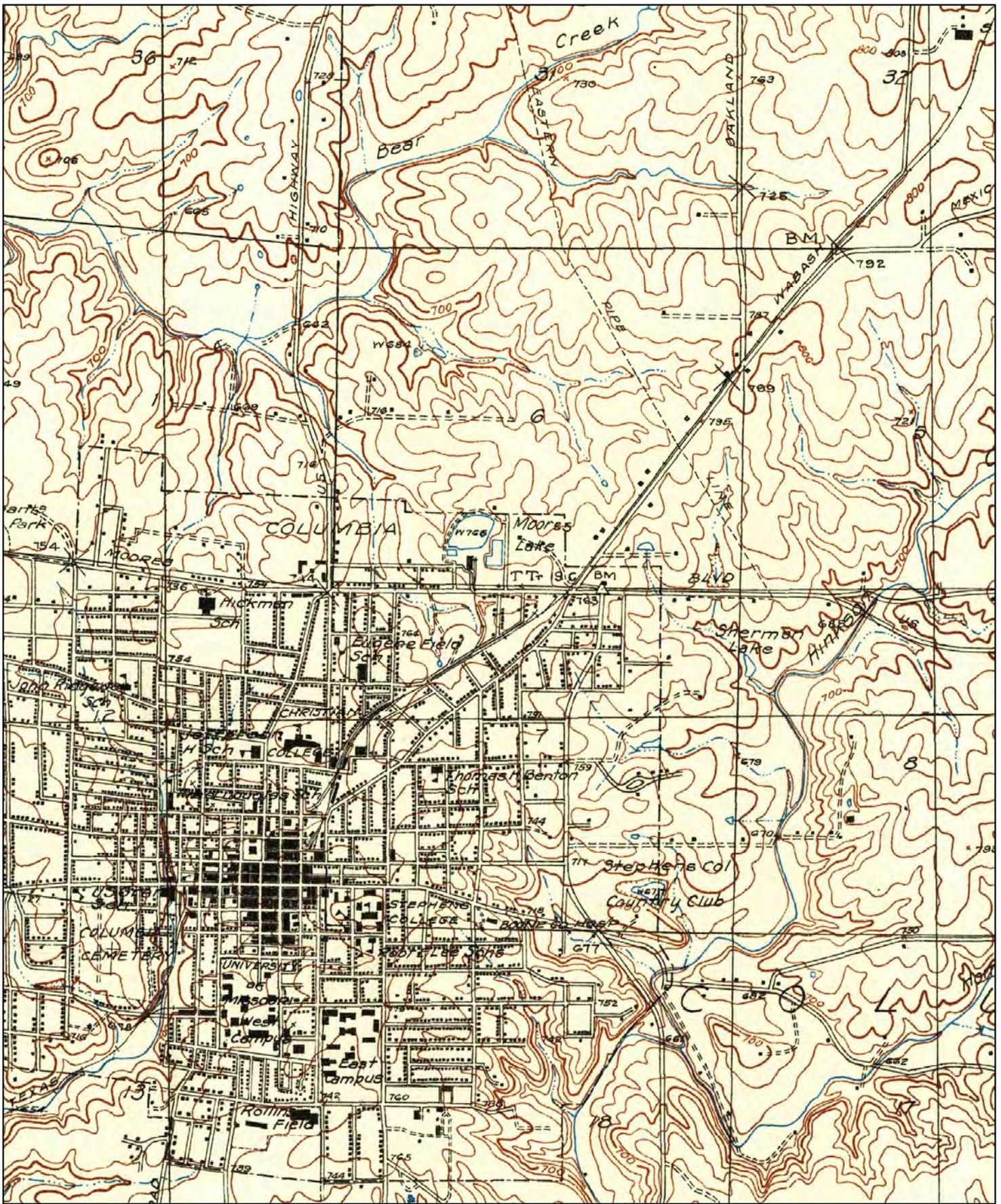


Order No. 20200120022

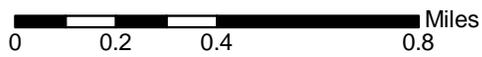
Quadrangle(s): Columbia,MO

Source: USGS 7.5 Minute Topographic Map





1935



Order No. 20200120022

Quadrangle(s): Columbia, MO

Source: USGS 7.5 Minute Topographic Map





1950

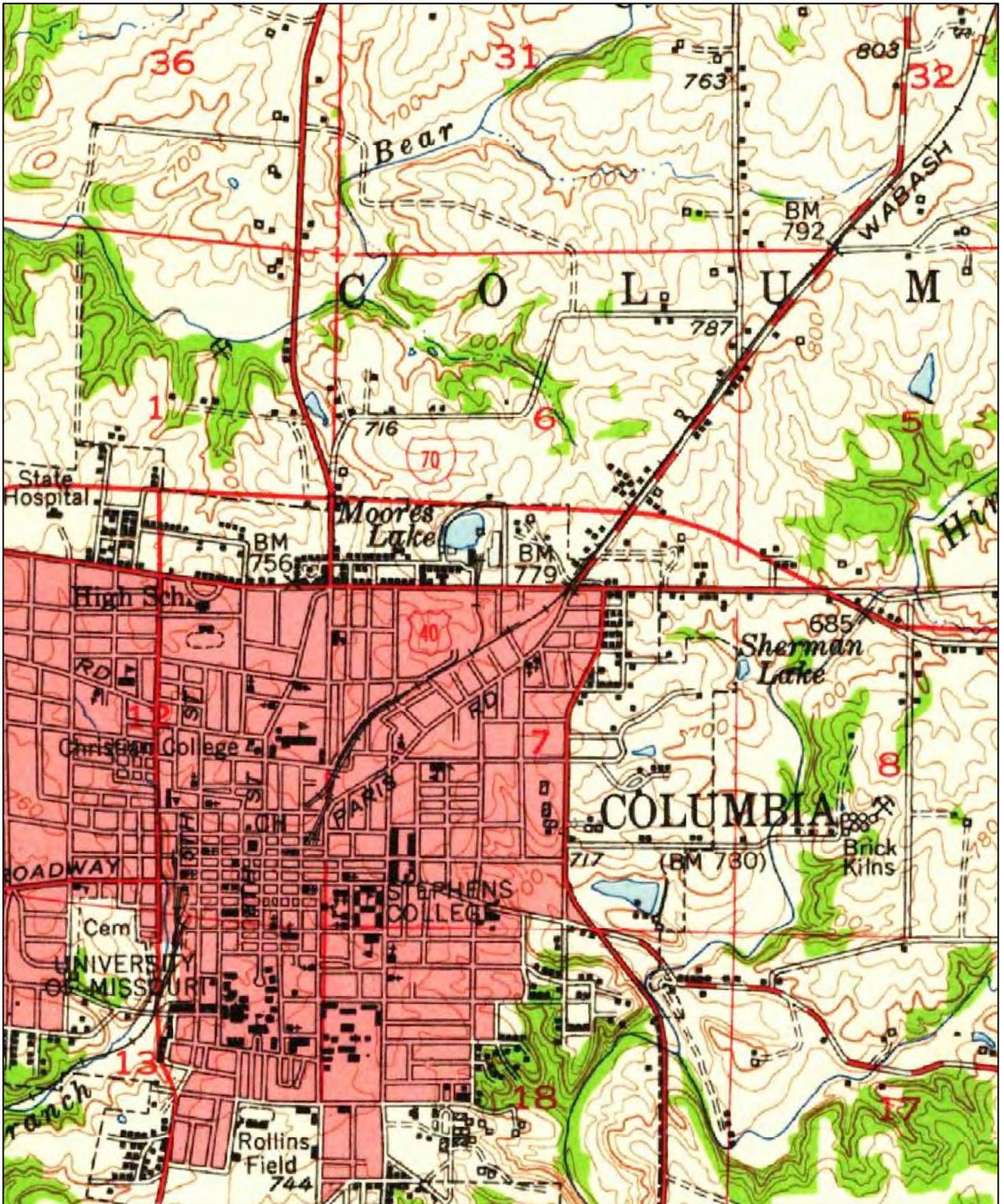


Order No. 20200120022

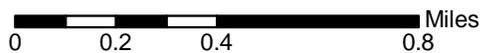
Quadrangle(s): Columbia, MO

Source: USGS 15 Minute Topographic Map





1948



Order No. 20200120022

Quadrangle(s): Columbia, MO

Source: USGS 15 Minute Topographic Map



APPENDIX 5

Photographs

Phase I ESA
City of Columbia – 1206 Bowling Street
Site visit photos 01/22/2020



1. Building located on the Property



2. Southern property boundary, looking east



3. Western property boundary, looking north



4. Northern property boundary, looking east



5. Eastern property boundary, looking south



6. Southern adjoining property



7. Western adjoining property



8. Northern adjoining property



9. Eastern adjoining property



10. Entrance to northern portion of the building on the Property, currently vacant



11. Interior of northern portion of the building, drain seen in floor



12. Room in northern portion of the building



13. Materials seen near entrance to northern portion of the building



14. Loft area in northern portion of the building



15. Drain in center northern portion of the building, appeared to be full of debris



16. Southern portion of the building, currently vacant



17. First room in southern portion of the building on the Property



18. Drain in corner of first room in southern portion of the building



19. Interior of the southern portion of the building on the Property



20. Additional photo of southern portion of the building on the Property



21. Additional drain in southern portion of the building on the Property, holding liquid



22. Loft area of southern portion of the building on the Property



23. Northeast corner of the building is currently in use, did not have access



24. Inside look of northeast portion of the building on the Property



25. Thick yellow pipe seen sticking out on eastern border of the site



26. Debris in southeastern corner of the site

APPENDIX 6

**Qualifications of Environmental Professional
Resume for
William B. Lindsey**

William B. Lindsey, P.E.

Senior Project Manager

Mr. Lindsey has over 30 years of professional experience in the field of environmental engineering. He has worked with all major environmental regulatory programs including Underground Storage Tanks (USTs), RCRA, CERCLA/SARA (Superfund), the Clean Water Act, and the Clean Air Act Amendments. His experience includes environmental management and compliance, site characterization and cleanup of hazardous waste and petroleum sites, Due Diligence Phase I and II Environmental Site Assessments, Spill Prevention Control and Countermeasure (SPCC) plans and Facility Response Plans (FRP) for petroleum storage, and Stormwater Pollution Prevention Plans (SWPPP) for general stormwater permits. He has completed permitting projects for air, stormwater, wastewater, and hazardous wastes. Mr. Lindsey holds a patent for his Passive Adsorption Device for remediation of dense nonaqueous liquids (DNAPLs) in groundwater including chlorinated solvents such as Trichlorethylene (TCE) in karst geologic settings

Professional History

- Worked on numerous federal and state hazardous waste sites, including site characterization, feasibility studies, and remediation. Sites contaminants have included Dense Non Aqueous Phase Liquids (DNAPLs), volatile organic compounds including TCE, and petroleum. (1984–Present)
- Prepared more than a hundred Spill Prevention, Control, and Countermeasure (SPCC) Plans and Stormwater Pollution Prevention Plans (SWPPP's) as well as Facility Response Plans (FRP's) for locations with over 1.0 million gallons of oil. SPCC plans have included petroleum stations and bulk plants, quarries, cement and asphalt plants, power plants, cities, and universities. (1990-Present)
- Completed numerous projects involving compliance, closure, site characterization and clean-up of leaking underground and above ground storage tanks sites. Projects included work plans, soil and groundwater sampling, correction action plans, clean-up documentation reports following Missouri Risk-Based Corrective Action (MRBCA) procedures and coordination with state insurance trust funds (PSTIF) and submittal of claims on behalf of clients for leaking USTs. (1990-Present)
- Developed environmental management and compliance filing/documentation programs for a number of industries and municipalities. Also, performed hundreds of environmental compliance audits to determine regulatory compliance with RCRA, SARA, CWA, CAA, OSHA, and TSCA at municipal, industrial, and manufacturing facilities including coal-fired and natural gas-fired power plants, service centers, vehicle maintenance facilities and electrical substations for three separate utility companies. (1990-Present)
- Completed hundreds of property transaction Environmental Site Assessments (Phase I and II ESA's) including industrial, commercial, and residential facilities including voluntary cleanup and brownfield sites. Work has included manufacturing properties, utility properties, hotel and motel properties, and fast food properties. (1990-Present)

Area of Expertise

- Project Management
- Environmental Compliance
- Environmental Permitting
- Site Assessment and Cleanups
- Petroleum Storage Tanks

William B. Lindsey, P.E.

Senior Project Manager

Education

B.S. in Civil Engineering, University of Missouri – Columbia, 1978
M.S. in Civil Engineering, University of Missouri – Columbia, 1980

Registration

- Registered Professional Engineer, Missouri No. 20562
Kansas No. 17816, Arkansas No. 12103
- 40-Hour Health and Safety Training, 8-Hour Site Supervisor Training

Affiliations

- American Society of Civil Engineers
- Missouri Society of Professional Engineers
- National Society of Professional Engineers
- Society of American Military Engineers