August Mack
ENVIRONMENTAL

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1302 N. Meridian Street, Suite 300 • Indianapolis, Indiana 46202

March 14, 2019

Ms. Kelly Geckler
CIty of Columbus Redevelopment Commission
123 Washington Street
Columbus, Indiana 47201

RE: Final Report
Phase I Environmental Site Assessment
Bartholomew County Court Services Center
507 3rd Street and 215 Franklin Street
Columbus, Indiana 47201
August Mack Project Number JT0460.710.0002

Dear Ms. Geckler:

August Mack Environmental, Inc. (August Mack) has completed the Final Phase I Environmental Site Assessment (ESA) for the above-referenced Site. The final report was prepared in accordance with the Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) issued by the American Society for Testing and Materials. This Phase I ESA is valid for a period of 365 days from February 20, 2019. After 180 days from this date and prior to using the information contained herein, components of the report are required to be updated in accordance with the ASTM standards and federal regulations. We trust that this submittal is responsive to your needs. Please contact us if you have any questions or comments regarding this submittal, or if we can be of additional service to you.

Sincerely,

Kaylee Moore
Environmental Site Assessor

Tyler Zschiedrich
Environmental Professional

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Bartholomew County Court Services Center
507 3rd Street and 215 Franklin Street
Columbus, Indiana 47201

AME PROJECT #: JT0460.710.0002

PREPARED FOR:

Ms. Kelly Geckler
CIty of Columbus Redevelopment Commission
123 Washington Street
Columbus, Indiana 47201

PREPARED BY:

August Mack Environmental, Inc.
1302 N. Meridian Street, Suite 300
Indianapolis, Indiana 46202

ISSUE DATE:
March 14, 2019

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1.0 EXECUTIVE SUMMARY

August Mack Environmental, Inc. (August Mack) has completed a Phase I Environmental Site Assessment (ESA) of the subject site located at 507 3rd Street and 215 Franklin Street, Columbus, Bartholomew County, Indiana (hereafter referred to as the "Study Site" or "Site"). The Phase I ESA was conducted in accordance with the Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Rule (40 CFR Part 312) and American Society for Testing and Materials (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments).

At the time of inspection, the Study Site encompassed two (2) parcels totaling 2.23-acres, developed with a 10,592-square-foot commercial building, which is currently occupied by the Bartholomew County Court Services Center. Historical records were available for the Study Site dating back to 1886, at which time the Site was developed with a temple, multiple residential dwellings, and associated outbuildings. By 1927, the current commercial building was constructed on the northwest portion of the Site. Commercial development increased by 1947, with Site occupants including an auto washing facility on the southwest portion and a printing company on the northeast portion. By 1959, the auto washing facility was replaced by a larger auto service facility. All residential structures were razed by 1984. The Site appeared similar to the current configuration by 1998 after a commercial structure on the southern portion was razed. City directories listed residential and commercial occupants at the Site, including a printing company from 1961 to 1966, and auto sales and service facilities from 1961 to 1986.

The Study Site was listed in the Underground Storage Tank (UST) database under the name Graham Todd Building. According to the database and records reviewed on the Indiana Department of Environmental Management (IDEM) Virtual File Cabinet (VFC), one (1) used oil UST, two (2) new oil USTs, and one (1) "trans fluid" UST were installed in 1966. Records indicate the three (3) oil USTs were removed in 1989. No additional information regarding the former "trans fluid" UST was identified, and no records of confirmatory sample data was identified for any of the USTs.

Surrounding properties primarily consisted of residential and commercial development by 1886. Commercial development increased significantly during the following years, and the surrounding area appeared similar to the current configuration by 2016 after one (1) commercial structure on the north adjoining property was razed. Review of Sanborn Fire Insurance Maps and city directories revealed the presence of multiple surrounding properties of potential environmental significance, including a filling station and auto repair businesses at the east adjoining property, a filling station

on the northeast adjoining property, Serv-Ice & Coal Co. Inc. at the north adjoining property, and a wood preserving facility to the southeast.

Based on a review of additional environmental records and groundwater flow direction in the area of the Site, none of the surrounding properties were found to pose an environmental concern to the Site with the exception of the northeast adjoining property that historically operated as a filling station from approximately 1927 to 1971, with at least three (3) USTs previously located approximately 130-feet from the Site. No closure records or sample data were identified for the former filling station and associated USTs.

A summary of the findings from the assessment is provided below.

	Finding	REC	CREC	HREC	Data Gap	Other
1	The historical use of the western portion of the Site for auto washing and service operations from at least 1947 to 1986, combined with the lack of closure records for the USTs formerly used on Site.	✔				
2	The historical use of the northeast portion of the Site as a printing facility that likely utilized petroleum products and/or hazardous substances from at least 1947 to 1966.	✔				
3	The long-term use and hydraulically up-gradient location of the northeast adjoining property as a filling station from at least 1927 to 1971.	✔				

2.0 INTRODUCTION

2.1 Property Description

The Study Site is located at 507 3rd Street and 215 Franklin Street, Columbus, Bartholomew County, Indiana. The Site is located near the downtown area of Columbus, approximately 0.1-miles southeast of the city's center. The Study Site consists of two (2) parcels (Parcel 03-95-24-430-011.500-005, owned by Bartholomew County, and 03-95-25-120-001.100-005, owned by the Bartholomew County Board of Commissioners) totaling approximately 2.23-acres. The Site is developed with one (1) 10,592-square-foot commercial building located on the northwest portion. The remainder of the Site primarily consists of a paved parking lot, with strips of mown grass and trees along the perimeters and surrounding the building. The location of the Site is depicted on a topographic map and aerial photograph, which are provided in Appendix A.

2.2 Purpose

The purpose of this assessment was to identify Recognized Environmental Conditions (RECs) at the Study Site. According to the ASTM Standard E1527-13, a REC is defined as "the presence or likely presence of any hazardous substances 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." The term "environment" and "release" are defined in CERCLA 42 U.S.C. § 9601(8) and (22), respectively.

2.3 Detailed Scope of Services

The scope of work for this assessment was completed in conformance with the standards and protocols set forth in the ASTM standard designation E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The scope of services for the Phase I ESA included an on-Site reconnaissance of the property, interviews with the property owner (or the key Site manager as designated by the owner) and persons knowledgeable about the Site, and a review of available environmental records concerning the property and surrounding area.

The review of the environmental history of the property was also conducted through a computerized database search of the relevant sites maintained by state and federal regulatory agencies. Pertinent regulatory agency files and records were reviewed for the property and adjoining properties that were identified on one or more of the standard environmental record sources. In addition, historical aerial photographs and other historical records were reviewed to help document past Site usage and the past usage of surrounding properties. An evaluation for vapor migration onto the property from known or potential contaminant sources was also performed. The assessment was conducted by or under the supervision or responsible charge of an Environmental Professional (EP), as defined by ASTM and 40 CFR §312.10(b).

2.4 Significant Assumptions

This Phase I ESA was conducted to ensure that the methodologies used meet the all appropriate inquiry requirements and are consistent with good commercial and customary practices to identify and analyze environmental conditions that constitute existing, past, or potential environmental risks associated with the Study Site. Performance, in accordance with this standard, is intended to reduce, but not entirely eliminate, uncertainty with respect to the potential RECs associated with the Study Site. Information regarding operations, conditions, and data provided by the client, user, owner, regulatory database provider, regulatory agencies, other providers of public record, or their representatives has been assumed to be correct and complete. The investigative requirements as stated in ASTM E1527-13 have been satisfied by this assignment with no significant deviations.

2.5 Limitations, Exceptions, and Deviations

The findings presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by August Mack and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances as established by the environmental consulting industry. To the extent that August Mack relied upon any information prepared by other parties not under contract to August Mack, August Mack makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13) and/ or the Standards and Practices for All Appropriate Inquiries: Final Rule (40 CFR Part 312). After 180 days and prior to using the information contained herein, components of the report are required to be updated in accordance with ASTM standards and federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when August Mack's assessment was performed. It must be recognized, however, that a Phase I ESA is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the Site may vary from those at the locations where data was collected. August Mack's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in Phase I ESA conclusions cannot reasonably be achieved. Therefore, August Mack does not provide any guarantees, certifications, or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

2.6 Special Terms and Conditions

All appropriate inquiry into the prior uses of the property was made in accordance with good commercial and customary practices to identify and analyze RECs constituting existing, past, or potential environmental concerns in connection with the Study Site. This assessment did not include special terms and conditions outside the scope of ASTM E1527-13.

2.7 Report Reliance

This assessment was performed utilizing methods and procedures consistent with good commercial and customary practices designed to conform to acceptable industry standards. The report may be relied on by the CIty of Columbus Redevelopment Commission. Reliance on the information and conclusions presented in this report by any other party(ies) is not authorized by August Mack.

3.0 USER-PROVIDED INFORMATION

The User of this report is the City of Columbus Redevelopment Commission. Ms. Heather Pope, Redevelopment Director, completed the User-provided information portion of this assessment. A completed copy of the User Questionnaire is included in Appendix B.

3.1 Environmental Liens

The User did not report any environmental liens for the Study Site parcel. According to the database report, no environmental liens were identified for the Study Site.

3.2 Activity Use Limitations (AULs)

The User did not report any activity and use limitations (AULs) for the Study Site parcel. According to the database report, no AULs were identified for the Study Site.

3.3 Specialized Knowledge or Experience

The User did not report any specialized knowledge for the Study Site parcel.

3.4 Property Valuation Reduction for Environmental Issues

The User was unaware of any information regarding valuation reduction for environmental issues at the Study Site.

3.5 Commonly Known or Reasonably Ascertainable Information

The User did not report any commonly known or reasonably ascertainable information for the Study Site.

3.6 Reason for Performing Phase I

The Phase I ESA report was prepared by August Mack at the request of Ms. Kelly Geckler of the CIty of Columbus Redevelopment Commission. The ESA was requested in advance of a potential property transaction in order to evaluate financial and environmental liabilities associated with the Study Site.

4.0 RECORDS REVIEW

4.1 Physical Setting

The Study Site topography is generally flat with an average surface elevation of approximately 628-feet above mean sea level. Surface drainage appears to flow via pavement runoff toward the adjacent streets. The area topography surrounding the Study Site is generally flat with a general topographical gradient to the southwest toward the East Fork White River.

The Study Site is located in a regional physiographic area called the East Fork White River Basin in the province referred to as the Scottsburg Lowland. According to the Hydrogeologic Atlas of Aquifers in Indiana (Fenelon, Bobay, and Others, 1994), bedrock formations in the vicinity of the Site are comprised of Devonian and Mississippian shale.

According to information at the Natural Resource Conservation Service (NRCS) website, surficial soils on the Study Site are primarily comprised of Urban land-Fox complex 0 to 2 percent slopes. A copy of the soil map obtained from the NRCS website is included in Appendix G.

No Site-specific information regarding the direction of groundwater flow was available. However, review of a 2006 Further Site Investigation prepared for the north adjoining National Ice Company property (540-542 3rd Street) revealed that shallow groundwater flow in the vicinity of the Study Site is to the south or southwest toward the East Fork White River. Any reference to hydraulic gradient is assumed based on this information. Factors such as utilities, groundwater wells, injection wells, and development can locally influence groundwater flow; therefore, hydraulic gradient is typically only one of the criteria considered when evaluating the likelihood of impact from a surrounding property.

4.2 Environmental Records Search

Files maintained by the United States Environmental Protection Agency (U.S. EPA) and the Indiana Department of Environmental Management (IDEM) were reviewed to determine the regulatory status of the Site and surrounding area. A computerized database search report obtained from Environmental Data Resources, Inc. (EDR) dated March 8, 2019 (database report), was reviewed regarding solid and hazardous waste management, emergency response, chemical spills, underground storage tanks (USTs), and leaking underground storage tanks (LUSTs) to determine, at a minimum, whether the facility or neighboring facilities: (1) are under investigation for violation of any environmental laws, regulations, or standards; (2) are listed on any environmental databases, including the CERCLA, Resource Conservation and Recovery Act (RCRA), UST notification lists, disposal sites, etc.; and (3) whether the facility has been the subject of any reported violations or complaints. Each standard database was searched to at least the approximate minimum search distance as identified in ASTM E1527-13. A summary of the regulatory records review information obtained from the database report is presented in the table below, and the database report is provided in Appendix C.

Summary of Regulatory Records Review

Database	Target Property	Search Distance (Miles)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
DELISTED NPL	0	1	0	0	1	0	NR	1
SEMS	0	0.5	0	0	1	NR	NR	1
SEMS-ARCHIVE	0	0.5	1	0	0	NR	NR	1
RCRA-CESQG	0	0.25	0	5	NR	NR	NR	5
US ENG CONTROLS	0	0.5	0	0	1	NR	NR	1
ROD	0	1	0	0	1	0	NR	1
RCRA NonGen/ NLR	0	0.25	2	0	NR	NR	NR	2
LUST	0	0.5	2	2	8	NR	NR	12
UST	1	0.25	4	5	NR	NR	NR	10
IN MANIFEST	0	0.25	2	2	NR	NR	NR	4
AUL	0	0.5	2	1	1	NR	NR	4
VCP	0	0.5	1	0	1	NR	NR	2
IN BROWNFIELDS	0	0.5	3	1	1	NR	NR	5
US BROWNFIELDS	0	0.5	1	1	1	NR	NR	3
FINDS	1	TP	NR	NR	NR	NR	NR	1
OISC	0	0.25	1	0	NR	NR	NR	1
SWRCY	1	0.5	1	1	2	NR	NR	5
SCP	0	0.5	1	0	1	NR	NR	2
EDR Hist Auto	0	0.125	2	NR	NR	NR	NR	2
EDR MGP	0	1	0	0	0	1	NR	1

4.2.1 Listings for the Study Site

The Study Site was identified in the following database:

Detail Summary

Site Name:	Graham Todd Building
Databases:	UST and FINDS
Address:	215 Franklin Street

Distance:	On-Site
Direction:	On-Site
Elevation:	628-feet above sea level
Comments:	One (1) 500-gallon used oil UST and two (2) 500-gallon USTs with unknown contents were reported as permanently out of service in 1989. The FINDS database lists the Study Site on the Indiana Facility Registry System (IN-FRS). The FINDS database indicates the Site has been on the database since February 11, 2005, regarding the UST listings. Refer to Section 4.3 for additional information.

Detail Summary

Site Name:	Bartholomew County Commissioners
Databases:	SWRCY
Address:	500 2nd Street
Distance:	On-Site
Direction:	On-Site
Elevation:	628-feet above sea level
Comments:	Bartholomew County Commissioners was listed on the Solid Waste Recycling (SWRCY) database for accepting newspaper, magazines, and mixed residential materials. August Mack observed solid waste recycling dumpsters on-Site during the reconnaissance. Based on the type of listing, nature of materials accepted, and absence of violations, this listing is not considered an environmental concern to the Site.

4.2.2 Listings for the Surrounding Properties

The regulatory records that were identified within the search distance from the Study Site were evaluated using August Mack's professional judgment to determine the facility's potential impact to the Site. The factors considered in evaluating a facility's potential impact to the Site include the facility's distance from the Site, information about the regulated activities on the site, the topography of the area, and the estimated groundwater flow direction. Listings of environmental significance are summarized in the tables below.

Detail Summary

Site Name:	Bartholomew County Health Department
Databases:	OISC
Address:	440 3rd Street
Distance:	Adjoining
Direction:	Northwest
Elevation:	Higher
Comments:	The Office of the Indiana State Chemist (OISC) database identifies restricted use pesticide dealers and pesticide and fertilizer applicators; several are listed in association with the property. Based on the type of listing and absence of releases/ violations, this listing does not present an environmental concern to the Site.

Detail Summary

Site Name:	Second Street Save 177
Databases:	UST
Address:	610 2nd Street
Distance:	Adjoining
Direction:	East
Elevation:	Lower
Comments:	According to the UST database, three (3) 12,000-gallon gasoline USTs were installed in 1972 and were permanently closed in 2005. Refer to Section 4.3 for additional information.

Detail Summary

Site Name:	National Ice Company/Ice House Community Development Inc.
Databases:	LUST, UST, AUL, RCRA NonGen/NLR, FINDS, ECHO, Manifest
Address:	540-542 3rd Street
Distance:	Adjoining
Direction:	North
Elevation:	Higher
Comments:	One (1) low-priority LUST incident (#20404506) was reported for National Ice Company in 2004 and has been granted No Further Action (NFA)-conditional closure. One (1) 200-gallon gasoline UST was permanently closed in 1988. According to the Activity and Use Limitations (AUL) database, an Environmental Restrictive Covenant (ERC) was recorded in 2009 because of petroleum contamination in groundwater and subsurface soil. The ERC prohibits agricultural or residential use, requires notice for any excavation activities, and prohibits the extraction of groundwater. Ice House Community Development Inc. was identified as a Non-Generator of hazardous waste in 2014 and was also listed as a historical Large Quantity Generator (LQG) of hazardous waste in 2013 and 2014. The waste summary includes ignitable waste (D001), corrosive waste (D002), and lead (D008) with no violations found. The FINDS database indicates association with RCRA and identifies the facility as a hazardous waste biennial reporter. According to the ECHO database, no RCRA violations were reported during the past three (3) years. The Manifest database reports shipment of hazardous waste in 2013. Refer to Section 4.3 for additional information.

Detail Summary

Site Name:	Triangle Service Station
Databases:	EDR Hist Auto
Address:	600-602 3rd Street

Distance:	Adjoining
Direction:	Northeast
Elevation:	Higher
Comments:	The EDR Historical Auto Stations database lists the property as Triangle Service Station (gasoline service station) from 1969 to 1974. Sanborn Fire Insurance Maps illustrate the facility as a gas station back to at least 1927. Refer to Section 4.3 for additional information.

Detail Summary

Site Name:	Columbus Wood Treating Plant/Former Columbus Wood Treating Plant, Lot 2B/ Columbus Wood Preserving Co./Former Columbus Wood Treating Site
Databases:	VCP, Brownfields, SEMS-Archive, RCRA-CESQG, FINDS, ECHO
Address:	701-705 2nd Street, 500 Block of 1st Street, 53 Lafayette Avenue
Distance:	Adjoining
Direction:	Southeast
Elevation:	Lower

Comments:	Columbus Wood Treating Plant is listed as inactive in the Voluntary Cleanup Program (VCP) database. According to the Brownfields database, soil and groundwater contamination exists at the property. Constituents of concern include polycyclic aromatic hydrocarbons (PAHs). A Petroleum Determination Letter was issued in 2011. Additionally, the property was listed in the Brownfields database as Lot 2B. The database indicates land use restrictions related to residential development, agriculture, groundwater wells, and excavations are in place. A Comfort Letter was issued in 2009. Columbus Wood Preserving Co. was listed in the Superfund Enterprise Management System (SEMS) Archive and Brownfields databases. According to the SEMS-Archive database, the property does not qualify for the National Priority List (NPL) and was archived in 1992. The Brownfields database indicates that a Comment Letter was issued in 2004. Former Columbus Wood Treating Site was listed as a Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste in 2015. The waste summary includes pentrachlorophenol (D037); wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use chlorophenolic formulations (F032); and wastewaters, process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations (F034) with no violations found. The FINDS database indicates association with RCRA. According to the ECHO database, no RCRA violations were reported during the past three (3) years. Refer to Section 4.3 for additional information.

4.2.3 Orphan Site Summary

Unplottable sites are sites where incomplete address information exists, meaning the site could not be accurately plotted. One (1) unplottable site was identified in the database report. A review of the name and limited address information for the site did not find it to pose known or potential environmental concern to the Study Site.

4.3 Regulatory Agency File and Records Review

The Site and surrounding properties were identified on one or more of the standard environmental record sources. The following regulatory agency files and records obtained from the IDEM Virtual File Cabinet (VFC) were reviewed:

Site

According to a UST notification form dated May 20, 1986, one (1) 500-gallon used oil UST, two (2) 500-gallon new oil USTs, and one (1) 500-gallon "trans fluid" UST had been installed in approximately 1966. All were in use at the Study Site, with the exception of the "trans fluid" UST,

which was temporarily out of use. A UST notification form dated August 1989 indicates that one (1) 500-gallon used oil UST and two (2) 500-gallon new oil USTs were removed in July 1989. No information regarding closure sampling or the exact locations of the USTs was available for review. Additionally, no information regarding the current status of the "trans fluid" UST was available.

Columbus Court House/Bartholomew County Health Department at 440 3rd Street (northwest adjoining)
No records were available on the IDEM VFC.

Triangle Service Station (currently florist) at 600-602 3rd Street (northeast adjoining)No records were available on the IDEM VFC.

Second Street Save 177 (currently McDonald's restaurant) at 610 2nd Street (east adjoining) The facility is listed as "Tobacco Road D202" on the IDEM VFC. August Mack reviewed a 2006 Subsurface Investigation Report prepared by Astbury Environmental Engineering, Inc. (AEE). The property was developed as a filling station from approximately 1972 to 2000. Three (3) 12,000-gallon USTs (located approximately 80-feet to the east of the Site) were removed in 2000. In 2006, AEE advanced ten (10) soil borings in the vicinity of the USTs. Four (4) soil samples were submitted for analysis of total petroleum hydrocarbons (TPH) in gasoline and diesel ranges. One (1) groundwater sample was collected and submitted for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE). All samples were non-detect for the constituents of concern.

National Ice Company/Ice House Community Development Inc. (currently a parking lot) at 540-542 3rd Street (north adjoining)
August Mack reviewed a 2006 Further Site Investigation (FSI) report prepared by Strand Associates, Inc. According to the report, one (1) gasoline UST was previously located at the eastern edge of the building, approximately 100-feet to the north of the Site. After the UST was removed, a Phase II Environmental Assessment revealed the presence of petroleum contamination in soil in the vicinity of the former UST. The FSI was completed to define the extent of soil (and potentially groundwater) impacts. Soil borings were advanced to the east, west, and south of the former UST. One (1) boring (SB-7) was advanced along the northern perimeter of the Study Site. A total of ten (10) soil samples were submitted for analysis of TPH (oil and diesel range); TPH was not detected in any of the soil samples. A total of four (4) groundwater samples were submitted for analysis of TPH (diesel, gas, and oil range), BTEX, MTBE, and PAHs. TPH was detected at a low concentration (4.7 parts per million) in the groundwater sample collected from the on-Site boring (SB-7), and Strand Associates Inc. indicated that the detection may have resulted from the migration of TPH impacts. This concentration was below the IDEM closure level at that time (TPH is no longer regulated by IDEM). In addition, no BTEX, MTBE, or PAH constituents were identified in this groundwater sample. The report indicates that groundwater flow is to the south or southwest. No other constituents of concern were detected in groundwater. Although contamination remained in

soil and groundwater, IDEM granted NFA status for the property in 2009 on the condition that an ERC be recorded. The ERC was recorded at the former National Ice Company facility, in 2009, prohibits the following activities: residential use, agricultural use, extraction of groundwater, and excavation of soil without notifying IDEM.

Former Columbus Wood Treating Plant at 701-705 2nd Street (southeast adjoining)

According to a third Quarter 2018 Groundwater Monitoring Report prepared by August Mack, the southwest portion of the property was used for coal and coke processing from approximately 1885 to 1903. Wood treatment operations, which included the use of creosote for preservation of wood products, began in the 1920s. Treatment operations ceased in 1970, and all buildings were destroyed in a fire in 1971. Following the fire, all remnants of the former buildings were removed and the area was covered with foundry sand. Beginning in 1999, multiple investigations were conducted at the property to evaluate the potential for soil and groundwater impacts associated with the historical industrial use. The investigations revealed the presence of PAHs, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals in soil and groundwater. Remedial activities included removal and disposal of shallow soil; solidification/stabilization of deep, unsaturated soil; removal of a UST; and placement of a geomembrane, clean soil, and vegetation. During the third quarter 2018 sampling event, groundwater samples were collected at eighteen (18) wells. Dense non-aqueous phase liquid (DNAPL) was encountered in six (6) monitoring wells. Benzene (a VOC), dibenzofuran and pentachlorophenol (SVOCs), arsenic, hexavalent chromium, and several PAH constituents were detected in excess of IDEM RCG screening levels, including Residential Tap Screening Levels, Residential Vapor Intrusion Groundwater Screening Levels (VIGWSLs), and Commercial/Industrial VIGWSLs. The groundwater impacts were identified at the southwest corner of the property and extending to the west, with the highest concentrations found approximately 610-feet to the southeast of the Site. The extent of impacts to the north, toward the Site (approximately 400-feet south of Site) has been fully delineated and do not extend onto the Study Site. Monitoring of the property remains under supervision of the Brownfields program.

Copies of pertinent documentation are provided in Appendix G.

4.4 Vapor Encroachment Screening

A Vapor Encroachment Screen was conducted in general accordance with ASTM E2600-15. A Vapor Encroachment Condition (VEC) is the presence or likely presence of chemicals of concern (COC) vapors in the vadose zone of the Site caused by the release of vapors from contaminated soil and/or groundwater either on or near the Site. It should be noted, the screen is intended to reduce, but not eliminate, uncertainty regarding whether or not a VEC exists in connection with a property. Through review of the database report and historical sources, multiple releases releases were identified within the Area of Concern (AOC), including a petroleum release that was identified on the north adjoining property with de minimis concentrations of petroleum that migrated onto

the edge of the Study Site. Other releases identified in the surrounding area do not appear to be on or within the critical distance of the Site. However, based on the lack of closure documentation associated with former on-Site USTs, a VEC cannot be ruled out.

4.5 Historical Use Information

Historical records were available for the Study Site dating back to 1886, at which time the Site was developed with a temple, multiple residential dwellings, and associated outbuildings. By 1927, the current commercial building was constructed on the northwest portion of the Site. Commercial development increased by 1947, with Site occupants including an auto washing facility on the southwest portion and a printing company on the northeast portion. By 1959, the auto washing facility was replaced by a larger auto service facility. All residential structures were razed by 1984. The Site appeared similar to the current configuration by 1998 after a commercial structure on the southern portion was razed. City directories listed residential and commercial occupants at the Site, including a printing company from 1961 to 1966, and auto sales and service facilities from 1961 to 1986.

Surrounding properties primarily consisted of residential and commercial development by 1886. Commercial development increased significantly during the following years, and the surrounding area appeared similar to the current configuration by 2016 after one (1) commercial structure on the north adjoining property was razed. Review of Sanborn Fire Insurance Maps and city directories revealed the presence of multiple environmentally significant facilities at the adjoining properties, including a filling station and auto repair businesses at the east adjoining property, a filling station on the northeast adjoining property, Serv-Ice & Coal Co. Inc. at the north adjoining property, and a wood preserving facility to the southeast.

Copies of historical research documentation are provided in Appendix D.

4.5.1 Sanborn Fire Insurance Maps

August Mack contracted EDR to search for Sanborn Fire Insurance Maps of the Study Site and surrounding area. The available Sanborn Fire Insurance Maps were reviewed and a summary of the Maps is presented below.

Summary of Sanborn Maps

Year(s)	Study Site Description	Surrounding Property Description
1886	The Site is developed with multiple residential dwellings and associated outbuildings. One (1) religious temple is located on the eastern portion.	Residential development is present to the north, east, and south. A flour mill is located on the north adjoining property, and commercial development is present to the northwest, west, northeast, and east.

Year(s)	Study Site Description	Surrounding Property Description
1890 1892	Similar to 1886; however, the religious temple is now labeled as a residential dwelling.	Similar to 1886 with a livery on the west adjoining property.
1898 1906 1912	Similar to 1892.	Similar to 1892, but the flour mill on the north adjoining property has been replaced with other commercial development.
1927	Residential development on the northwest portion of the Site has been razed and replaced with a commercial structure (Elks Club).	The north adjoining properties are developed with an auto sales and service facility and the Ice & Coal Co. Inc. The northeast adjoining property is developed with a filling station. The map depicts three (3) USTs at the property (approximately 130-feet from the Site). Stock yards are present beyond to the southeast.
1947	An auto washing facility is located on the southwest portion of the Site, and a printing facility is located on the northeast corner. The remainder is similar to 1927.	Similar to 1927.
1959	Several residential structures on the southern portion have been razed. The auto washing facility has been replaced with a larger auto service facility.	Similar to 1947.

4.5.2 City Directories Search

August Mack contracted EDR to search for city directories of the Study Site and surrounding area. According to the 1959 Sanborn Fire Insurance Map, the Site was historically addressed as 502-540 2nd Street, 505-541 3rd Street, 215-217 Franklin Street, and 224-226 Lafayette Avenue. The Site parcels are currently addressed as 507 3rd Street and 215 Franklin Street. A summary of the listings for the Site is presented in the table below.

Summary of Historical City Directories for the Study Site

Address	Occupant	Years Listed
502-540 2nd Street	Residential	1961-1971
	Co-Z Home Improvement Co. bldg contrs	1961-1966
	Sally L. Philyaw	2005
505-541 3rd Street	Columbus Lodge No. 521 (BPOE)	1961
	Residential	1961-1976
	Weed Printing Co. Inc.	1961-1966
	Weed Paper Products Co. Inc.	1966
	Elks Club No. 521	1966-1995
	Junior Achievement	1971-1976
	Bartholomew County	2005-2014
215-217 Franklin Street	Graham Motor Service	1961
	Graham-Todd Motor Co. Inc. autos	1966-1981
	Ed French Buick & Dodge Inc. autos	1986
224-226 Lafayette Avenue	Residential	1961-1976
	Rodney Young painting contr	1981
	Graham Todd Motor Co. parking lot	1986

Surrounding properties were primarily residential and commercial. Properties of environmental significance are presented in the table below.

Summary of Historical City Directories for the Surrounding Areas

Address	Occupant	Years Listed
205 Lafayette Avenue (east adjoining; also listed as 610 2nd Street)	Highway Oil Co. Station 726	1976-1986
	Wise Auto Sales	2005

Address	Occupant	Years Listed
701-705 2nd Street (southeast adjoining)	Columbus Wood Preserving Co.	1961
	Columbus Creosoting Co.	1971
	Vacant	1976
	Bob's Custom-Brushed Car Wash (storage)	1981
	Rhino Sales Inc.	2000-2005
542 3rd Street (north adjoining)	Serv-Ice & Coal Co. Inc.	1961-1966
	National Ice Co.	1971-2000
600-602 3rd Street (northeast joining)	Banner Whitehill Corp. (storage)	1961
	Triangle Serv Sta	1961-1971
601 3rd Street (east adjoining)	Stitsworth Garag auto repr	1961
	Wallace Garage auto repr	1966

4.5.3 Aerial Photographs

August Mack contracted EDR to search for historical aerial photographs of the Study Site and surrounding area. A summary of the aerial photographs is presented in the table below.

Summary of Historical Aerial Photographs

Year(s)	Study Site Description	Surrounding Property Description
1955 1960 1962	The northwest, southwest, and northeast corners of the Site are commercially developed, and the remainder of the Site is developed with residential structures.	Properties to the north, west, and east and commercially developed. Residential development is present to the south and east. Industrial development is located beyond to the southeast.
1972	Specific development indiscernible due to the scale and quality of the image.	Specific development indiscernible due to the scale and quality of the image.

Year(s)	Study Site Description	Surrounding Property Description
1984	All residential structures have been razed. Two (2) commercial structures remain at the Site, and the remainder of the Site consists of a parking lot.	Many residential structures to the southwest, south, and east have been razed. The southwest adjoining property is commercially developed. Commercial development to the east has been razed and replaced with a new commercial structure. Industrial structures beyond to the southeast have been removed.
1987	Specific development indiscernible due to the quality of the image.	Specific development indiscernible due to the quality of the image.
1992	Appears similar to 1984; however, the quality of the image is poor.	The south adjoining property appears to be commercially developed. Residential structures to the southeast have been razed.
1998 2005	The commercial structure on the southern portion of the Site has been razed. The Site appears similar to the current configuration.	Similar to 1992.
2008 2012	Similar to 2005.	Commercial development on the east adjoining property has been razed and replaced with a new commercial building.
2016	Similar to 2012.	One (1) commercial structure on the north adjoining property has been razed. The surrounding area appears similar to the current configuration.

4.5.4 Topographic Maps

August Mack obtained copies of historical topographic maps from EDR. A summary of the maps is presented in the table below.

Summary of Historical Topographic Maps

Year(s)	Quad	Study Site Description	Surrounding Property Description
1942	Columbus	Shaded to indicate development with no improvements depicted.	Shaded to indicate development with no improvements depicted.

Year(s)	Quad	Study Site Description	Surrounding Property Description
1958 1962 1979 1980 1988	Columbus	Shaded red to indicate development with no improvements depicted.	Shaded red to indicate development. No improvements depicted with the exception of a school on the west adjoining property.
2013	Columbus	No improvements depicted.	No improvements depicted.

5.0 SITE RECONNAISSANCE

5.1 Site Reconnaissance Methodologies

A Site reconnaissance was conducted on February 25, 2019, by Ms. Kaylee Moore, Environmental Site Assessor for August Mack. At the time of the inspection, the weather was overcast with a temperature of 37 degrees Fahrenheit. The purpose of the inspection was to gather information regarding the environmental conditions at the Study Site and surrounding areas. Mr. John Maley, maintenance staff for Bartholomew County Board of Commissioners (Site owner), provided access to the Study Site and accompanied Ms. Moore during the inspection. The Site reconnaissance involved an inspection of the Site and a brief inspection of the abutting and nearby properties. The borders of the Study Site were observed during the site walk. Photographs taken during the site inspection depicting general Site conditions are provided in Appendix E.

5.2 Site Use(s) and General Characteristics

At the time of the inspection, the Study Site was developed with a commercial building occupied by the Bartholomew County Court Services Center. A summary of the Site and Site building is provided in the following tables:

Study Site Summary

Size of Site:	2.23-acres
General Topography:	Flat
Roads:	3rd Street to the north; Franklin Street to the west; and, Lafayette Avenue to the east
Parking:	The majority of the Study Site is encompassed by a paved parking lot
Exterior Storage Areas:	None
Unimproved Areas:	None
Surface Water:	None

Building Summary

Building Name:	Bartholomew County Court Services Center (507 3rd Street)
Number of Floors:	Two (2) stories constructed over a basement
Square Feet:	10,592

Construction Date:	1920s
Potable Water Supply:	Municipal
Sewage Disposal:	Municipal
Heating and Cooling Source:	Natural gas and electric

5.3 Vicinity Characteristics and Use(s) of Adjoining Properties

The Study Site is located in an area of commercial development on the southeast corner of the intersection of 3rd Street and Franklin Street. A summary of the current uses of adjoining properties is presented in the table below.

Location	Description
North	3rd Street followed by commercial and government buildings to the north and northwest; restaurants to the northeast
South	2nd Street followed by the County jail to the south; a government building to the southwest; and grass land to the southeast
East	Lafayette Avenue followed by a McDonalds restaurant
West	Franklin Street followed by commercial buildings

5.4 Interior and Exterior Observations

The Study Site encompassed approximately 2.23-acres accessed from the west via Franklin Street; the east via Lafayette Avenue; and, from the south via 2nd Street. The Study Site was developed with one (1) approximately 10,592-square-foot commercial building and associated asphalt parking lot.

The Study Site building consisted of two (2) stories with a basement and unfinished attic. The first story consisted of an entryway with a wheelchair lift, offices and conference rooms, restrooms, archive room, and janitor closet. The second story consisted of additional offices and conference rooms, a computer room, restrooms, and a breakroom/kitchenette. The basement level was primarily used to store old archives.

The south exterior portion of the Study Site building had an attached drive-thru area. The exterior portion of the Study Site consisted of asphalt paved parking with solid waster dumpsters on the south and southeast portions of the Study Site. Strips of mown grass and trees were also observed around the building and Site perimeters.

5.4.1 Underground Storage Tanks

According to a UST notification form dated May 20, 1986, one (1) 500-gallon used oil UST, two (2) 500-gallon new oil USTs, and one (1) 500-gallon "trans fluid" UST had been installed in approximately 1966. All were in use at the Study Site, with the exception of the "trans fluid" UST, which was temporarily out of use. A UST notification form dated August 1989 indicates that one (1) 500-gallon used oil UST and two (2) 500-gallon new oil USTs were removed in July 1989. No information regarding closure sampling or the exact locations of the USTs was available for review. Additionally, no information regarding the status of the "trans fluid" UST was available.

5.4.2 Aboveground Storage Tanks

No aboveground storage tanks (ASTs) were observed on the Study Site at the time of inspection. According to Mr. Maley, he was unaware of any ASTs currently or previously located on the Study Site.

5.4.3 Hazardous Substances and Petroleum Products

Retail-sized containers of cleaners, as well as latex paints were observed throughout the Study Site building. No staining was noted on or in the vicinity of the containers. In addition, a mini-fridge was observed on the second story, which Mr. Maley indicated was used to store urine samples for people on probation.

5.4.4 Solid Waste

At the time of inspection, two (2) solid waste dumpsters that are serviced by City and three (3) recycling dumpsters that are serviced by Abitibi Consolidated were observed on the exterior portion of the Study Site. No staining was observed surrounding the dumpsters.

5.4.5 Polychlorinated Biphenyls (PCBs)

Although no longer commercially produced in the United States, PCBs may be present in products and materials produced before the 1979 PCB ban. Products that may contain PCBs include but are not limited to transformers, capacitors and other electrical equipment, oil used in motors and hydraulic systems, old electrical devices or appliances containing PCB capacitors and fluorescent light ballasts.

No capacitors, transformers, in-ground hydraulic lifts, or other potential sources of PCBs were observed on the Site.

5.4.6 Staining, Odors, Pooled Liquids and Stressed Vegetation

No evidence of staining, odors, pooled liquids, or stressed vegetation was observed on Site at the time of the inspection.

5.4.7 Drains and Sumps

Floor drains were observed in the interior of the Site building in the restrooms, utility room, and basement. No staining was observed in the vicinity of the drains. According to Mr. Maley, drains located within the Site building are connected to the sanitary sewer.

5.4.8 Pits, Ponds, And Lagoons

No pits, ponds, or lagoons were observed on the Study Site at the time of the inspection.

5.4.9 Wells

No wells were observed on the Study Site at the time of the inspection. According to Mr. Maley, the Site building is connected to the municipal water supply.

6.0 INTERVIEWS

6.1 Interview with Past and Present Owner

The Study Site is owned by Bartholomew County. Mr. Richard A. Flohr, Chairman of Bartholomew County Court Services, has been associated with the Study Site since 1977 and was interviewed as a part of this assessment. Mr. Flohr, indicated the Study Site currently operates as the Bartholomew County Courts Services Center. According to Mr. Flohr, the Site was historically a car dealership. An environmental assessment questionnaire completed by Mr. Flohr is provided in Appendix B.

6.2 Interview with Key Site Manager

Mr. John Maley, maintenance staff for the Bartholomew County Board of Commissioners (Site owner), who has been with the property for approximately 10-years, was interviewed during the Site reconnaissance. Information obtained from Mr. Maley has been incorporated throughout this report.

6.3 Interviews with Occupants

Mr. Flohr and Mr. Maley were interviewed as the Site occupant representatives.

6.4 Interviews with State and Local Government Officials

The following local government officials were interviewed as part of this assessment.

Interview Summary

Role:	Health Department
Title:	Environmental Health Specialist
Name	Aaron Sanders
Company:	Bartholomew Country Health Department
Method:	E-mail
Comments:	August Mack contacted the Health Department and corresponded with Mr. Sanders on February 20, 2019, regarding potential environmental concerns at the Study Site. Mr. Sanders provided files regarding indoor air quality at the nearby properties addressed as 440 3rd Street and 801 2nd Street. Mr. Sanders also provided files related to the Former Columbus Wood Wood Treating Plant (701-705 2nd Street); refer to Section 4.3 for a summary of environmental remediation and sampling at the property. No files were provided for the Study Site.

Interview Summary

Role:	Fire Department
Title:	CFD-Administrative Assistant
Name	Robin McCue
Company:	Columbus Fire Department
Method:	E-mail
Comments:	August Mack contacted the Columbus Fire Department and corresponded with Ms. McCue on March 8th, 2019, regarding potential environmental concerns at the Study Site. Ms. McCue indicated that the fire department maintains records dating back to January 1st, 2006. They have no records of USTs, leaks, spills, or hazardous material information during this time period for the Site.

6.5 Interviews with Others

No other interviews were conducted as a part of this assessment.

7.0 EVALUATION

7.1 Findings and Opinions

August Mack Environmental, Inc. (August Mack) has completed a Phase I Environmental Site Assessment (ESA) of the Study Site located at 507 3rd Street and 215 Franklin Street, Columbus, Bartholomew County, Indiana. At the time of inspection, the Study Site encompassed two (2) parcels totaling 2.23-acres, developed with one, 10,592-square-foot commercial building, which is currently occupied by the Bartholomew County Court Services Center.

In the professional opinion of the Environmental Professional (EP) all appropriate inquiry has been made into the previous ownership and uses of the Study Site consistent with good commercial and customary practices in an effort to minimize liability. The intent of such an inquiry was to identify Recognized Environmental Conditions (RECs) at the Study Site. According to the American Society of Testing and Materials (ASTM) Standard E1527-13 (Standard Practice for Environmental Site Assessments), a REC is defined as "**the presence or likely presence of any hazardous substances 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.**" ASTM E1527-13 requires an EP opinion of the impact on the Study Site of conditions identified as findings of the assessment. This opinion is required to include a rationale for concluding that a finding is or is not currently a REC. Based on this requirement, the following findings and related opinions are offered:

On-Site

- According to historical records, the southwest portion of the Site was developed with an auto wash facility by 1947, which was replaced with an auto service facility by 1959. The western portion of the Site was developed as an auto sales and service facility until at least 1986. Regulatory records indicate the Site was listed in the UST database as Graham Todd Building due to the former use of four (4) USTs on the western portion of the Site, presumably associated with the former auto service facility. Records obtained from the IDEM VFC indicate that one (1) 500-gallon used oil UST, two (2) 500-gallon new oil USTs, and one (1) 500-gallon "trans fluid" UST were installed in 1966 and were in use through at least 1986. A 1989 UST notification indicates that the used oil and new oil USTs were removed in 1989. The status of the "trans fluid" UST was not reported at that time. No additional information regarding the former USTs, including confirmatory sample data, was identified. **Based on the historical use of the Site for auto washing and service operations from at least 1947 to 1986, combined with the lack of closure records for the USTs formerly used on Site, it is the opinion of the EP that this finding constitutes a REC.**

- Historical records indicate the northeast portion of the Study Site operated as a printing from at least 1947 to 1966. No additional information regarding the printing operations were available for review on the IDEM VFC. Printing operations likely involved the use of hazardous substances and/or petroleum products. **Therefore, based on the historical use of the northeast portion of the Site as a printing facility prior to environmental regulations and unknowns regarding chemical usage during that time, it is the opinion of the EP that this finding constitutes a REC.**

Off-Site

- The east adjoining property at 610 2nd Street was listed in the UST database as Second Street Save 117. The property was developed as a filling station by at least 1972. Three (3) 12,000-gallon gasoline USTs were removed in 2005. Four (4) soil samples and one (1) groundwater sample were collected from the excavation, and all samples were non-detect for constituents of concern. **Based on the removal of the USTs, lack of reported releases, and the analytical results indicating no impacts to soil or groundwater, it is the opinion of the EP that this finding does not constitute a REC.**
- National Ice Company at 540-52 3rd Street (north adjoining) was listed in multiple regulatory databases, including the UST and LUST databases. One (1) gasoline UST was previously located at the eastern edge of the building, approximately 100-feet to the north of the Site. A LUST incident was reported because petroleum contamination was discovered in soil after removal of the UST. Based on the findings of a Phase II and 2006 FSI investigation, petroleum impacts to soil and groundwater were limited to the area immediately surrounding the UST. The investigation included a boring along the northern perimeter of the Site, which identified TPH in groundwater at a de minimis concentration. No BTEX, MTBE, or PAH constituents were identified in this groundwater sample. IDEM granted closure for the release with the requirement than an ERC be recorded for the National Ice Company property. **Based on the NFA status of the incident and results of the on-Site sample which did not identify any petroleum constituents of concern above current IDEM screening levels, it is the opinion of the EP that this finding does not constitute a REC.**
- According to historical records and the EDR Historical Auto Stations database, the northeast adjoining property at 600-602 3rd Street was developed as a filling station from at least 1927 to 1971. The 1927 Sanborn Fire Insurance Map depicts three (3) USTs at the property, approximately 130-feet from the Site. No records were available for review on the IDEM VFC. **Based on the long-term use of the property as a filling station involving the use of USTs and hydraulically upgradient location relative to the Study Site, it is the opinion of the EP that this finding constitutes a REC.**

- The Former Columbus Wood Treating Plant at 701-705 2nd Street (southeast adjoining) was listed in multiple regulatory databases, including the VCP, Brownfields, and SEMS-Archive databases. The property was used for coal and coke processing from approximately 1885 to 1903 and wood treatment operations, which included the use of creosote for preservation of wood products, from the 1920 to 1971. Multiple investigations beginning in 1999 identified the presence of PAHs, VOCs, SVOCs, and metals in soil and groundwater. A Third Quarter 2018 groundwater sampling event found that several constituents were present in groundwater at concentrations exceeding IDEM RCG Residential Tap Screening Levels, Residential VIGWLS, and/or Commercial/Industrial VIGWSLs. The highest concentrations were observed at the southwest portion of the property, approximately 610-feet to the southeast of the Site. The extent of impacts to the north, toward the Site (approximately 400-feet south of Site) has been fully delineated and do not extend onto the Study Site. **Therefore, given the distance of impacts from the Site and the hydraulically crossgradient location of the property relative to the Site, it is the opinion of the EP that this finding does not constitute a REC.**

7.2 Data Gaps

No significant data gaps were identified as part of this assessment.

7.3 Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 of the identified Study Site. Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. ***This assessment has revealed no evidence of RECs in connection with the Study Site except for the following:***

- ***The historical use of the Site for auto washing and service operations from at least 1947 to 1986, combined with the lack of closure records for the USTs formerly used on Site.***
- ***The historical use of the northeast portion of the Site as a printing facility that likely utilized petroleum products and/or hazardous substances from at least 1947 to 1966.***
- ***The long-term use and hydraulically up-gradient location of the northeast adjoining property as a filling station from at least 1927 to 1971.***

7.4 Limiting Conditions/Deviations

August Mack did not significantly delete or deviate from the recommended exercises set forth in ASTM Practice E1527-13 for Phase I Environmental Site Assessments when completing this Phase I ESA. The scope-of-work did not include consideration of any potential environmental conditions that are outside the scope of ASTM Practice E1527-13.

8.0 NON-SCOPE SERVICES

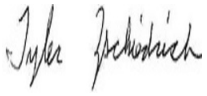
No non-scope considerations were included as part of this assessment.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

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 Part §312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The resumes of the Environmental Professional and others involved with this project are included in Appendix F.

Prepared by:

August Mack Environmental, Inc.
1302 N. Meridian Street, Suite 300
Indianapolis, Indiana 46202
317-916-8000



Tyler Zschiedrich
Environmental Professional

10.0 REFERENCES

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Appendix A -

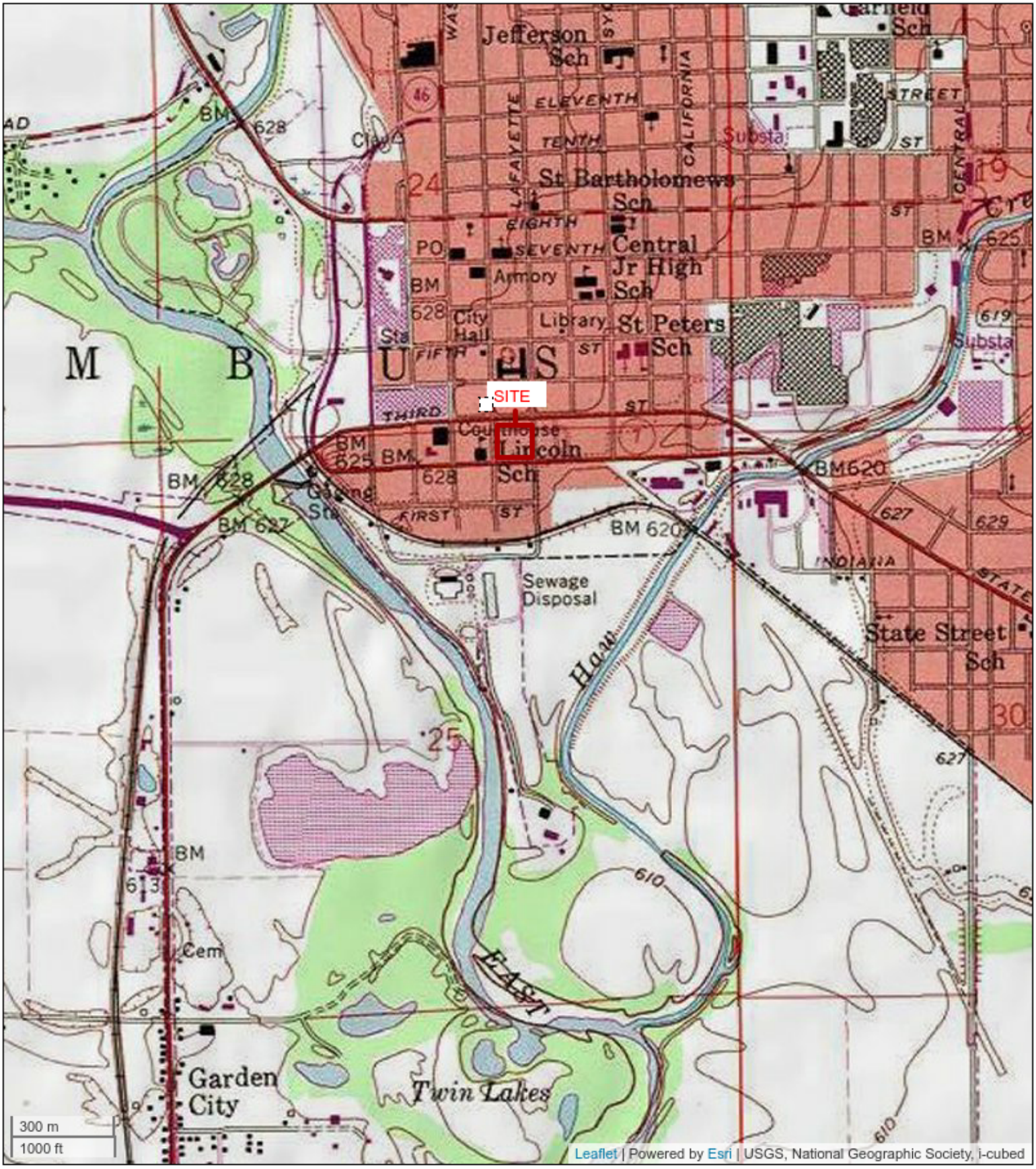
Figures

Aerial Photograph

JT0460.710.002

215 Franklin Avenue and 357 3rd Street, Columbus, IN 47201

August Mack ENVIRONMENTAL



Topographic Map

JT0460.710.002

215 Franklin Avenue and 357 3rd Street, Columbus, IN 47201

August Mack ENVIRONMENTAL

Appendix B -

User/Owner Provided Information

August Mack
ENVIRONMENTAL

317.916.8000 ▪ www.augustmack.com
1302 North Meridian Street, Suite 300 ▪ Indianapolis, Indiana 46202

USER QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiry*" is not complete.

Property Street Address: 215 FRANKLIN & 3RD & FRANKLIN ST.
City, State, Postal Code: COLUMBUS, IN 47201

(1.) Did a search of recorded land title records (or judicial records[1] where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? yes ☐ no ☒
If yes, describe:

(2.) Did a search of recorded land title records (or judicial records where appropriate) identify any AULs (activity and use limitations), such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded against the property under federal, tribal, state or local law? yes ☐ no ☒
If yes, describe:

(3.) As the user of this Environmental Site Assessment (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 properties so that you have specialized knowledge of the chemicals and processes ☐ed by t☐ type of business?)* yes no
If yes, describe:

(4.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes ☐ no ☐
UNKNOWN AT THIS TIME
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?
yes ☐ no ☐

[1] In certain jurisdictions, federal, tribal, state, or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be reached for environmental liens and AULs.

(5.) 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 user:*

(a.) Do you know the past uses of the property? yes ☐ no ☒
If yes, describe:

(b.) Do you know the specific chemicals that are present or once were present at the property? yes ☐ no ☒ **If yes, describe:**

(c.) Do you know of spills or other chemical releases that have taken place at the property? yes ☐ no ☒ **If yes, describe:**

(d.) Do you know of any environmental cleanups that have taken place at the property? yes ☐ no ☒ **If yes, describe**

(6.) 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 at the property? yes ☐ no ☒
If yes, describe:

Completed by:
(Please include name and title of person completing questionnaire and relationship to user)

Print Name: HEATHER POPE Signature: Heather Pope Date: 3/12/19

Company Name: CITY OF COLUMBUS Title: REDEVELOPMENT DIRECTOR

August Mack
ENVIRONMENTAL
317.916.8000 ▪ www.augustmack.com
1302 North Meridian Street, Suite 300 ▪ Indianapolis, Indiana 46202

Name: Bartholomew County

Property Location: 215 Franklin Street, Columbus, Indiana 47201

Company/Affiliation with property: Bartholomew County Court Services Building

Length of time owned and/or affiliated with the property?

1977

What are the current and past uses of property?

Current Court Services Center, Past uses Car Dealership

What is the approximate age and size of current structures on the property?

Early 1900's. Size 10,592 sqft building. 51,100 paving.

If the property is currently vacant or undeveloped, do you know of any prior improvements?

N/A

Are you aware of any current or previous wells, septic systems, underground storage tanks, or other subsurface features associated with the property?

No

Do any utilities currently service the property?

Duke Energy, City Utilities, Smithville (Fiber), Indiana Gas, AT&T

Are you aware of any fill material that has been placed on the property? If so, do you know the source of the fill?

No

Are any petroleum products, hazardous substances, or other chemicals used or stored on the property? If so, please summarize use and disposal practices.

No

Are you aware of any environmental related issues at the property, such as soil or groundwater contamination, caused by a release of hazardous substances or petroleum products on the property or adjacent area?

No

Have any previous environmental due diligence investigations or subsurface investigations of the soil or groundwater been conducted at the property, such as a Phase I or Phase II Environmental Site Assessment? If so, what were the findings and can you provide copy(ies) of reports summarizing the previous investigations?

No

Are you aware of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?

No

Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?

No

Are you aware of any environmental liens or activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the site or have been filed or recorded against the property?

No

Signed: Richard A. Flohr, Chairman Date: 2/22/2019

Printed Name: Richard A. Flohr, Chairman

Appendix C -

Regulatory Reports

JT0460.710.0002
215 Franklin St and 507 3rd Street
Columbus, IN 47201

Inquiry Number: 05584135.1r
March 08, 2019

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

215 FRANKLIN ST AND 507 3RD STREET
COLUMBUS, IN 47201

COORDINATES

Latitude (North):	39.2010350 - 39° 12' 3.72''
Longitude (West):	85.9188750 - 85° 55' 7.95''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	593354.6
UTM Y (Meters):	4339434.5
Elevation:	628 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5945355 COLUMBUS, IN
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140705
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
215 FRANKLIN ST AND 507 3RD STREET
COLUMBUS, IN 47201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	GRAHAM TODD BUILDING	215 FRANKLIN ST	FINDS		TP
A2	GRAHAM TODD BUILDING	215 FRANKLIN ST	IN UST		TP
Reg	COLUMBUS OLD MUNICIP	3RD ST BRIDGE AT WHI	Delisted NPL, SEMS, US ENG CONTROLS, ROD, ICIS,...	Same	1732, 0.328, SW
3	BARTHOLOMEW COUNTY C	500 2ND ST	IN SWRCY	Lower	16, 0.003, SW
B4	SECOND STREET SAVE 1	610 2ND ST	IN UST	Lower	76, 0.014, SE
A5	NATIONAL ICE COMPANY	542 3RD ST	IN LUST, IN UST, IN AUL	Higher	85, 0.016, NNE
A6	ICE HOUSE COMMUNITY	540 3RD ST	IN MANIFEST	Higher	101, 0.019, NNE
A7	ICE HOUSE COMMUNITY	540 3RD ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	101, 0.019, NNE
8	TRIANGLE SERVICE STA	600-02 3RD ST	EDR Hist Auto	Higher	118, 0.022, NE
9	BARTHOLOMEW COUNTY H	440 3RD ST STE 303	IN OISC	Higher	180, 0.034, NW
B10	COLUMBUS WOOD TREATI	705 2ND STREET	IN VCP	Lower	274, 0.052, SE
B11	FORMER COLUMBUS WOOD	705 2ND STREET	US BROWNFIELDS, FINDS	Lower	274, 0.052, SE
B12	COLUMBUS WOOD TREATI	705 2ND ST	IN BROWNFIELDS	Lower	274, 0.052, SE
B13	LOT 2B	701 2ND ST	IN BROWNFIELDS	Lower	346, 0.066, ESE
14	FIRST CHRISTIAN CHUR	541 4TH ST	IN SWRCY	Higher	370, 0.070, North
C15	COLUMBUS WOOD PRESER	500 BLOCK OF 1ST ST	SEMS-ARCHIVE, IN BROWNFIELDS	Lower	394, 0.075, SSW
D16	SEARS AUTO CENTER 61	222 COURTHOUSE CTR	IN UST	Higher	609, 0.115, WNW
E17	BOBS CAR WASH	711 2ND ST	IN LUST, IN UST, IN ASBESTOS	Lower	642, 0.122, ESE
E18	ROBO-WASH OF INDIANA	711 E 2ND ST	EDR Hist Auto	Lower	642, 0.122, ESE
C19	MILLER OIL OF INDIAN	10 FRANKLIN ST	IN AUL, RCRA NonGen / NLR, FINDS, ECHO, IN...	Lower	655, 0.124, SSW
20	MILLER OIL OF INDIAN	10 S FRANKLIN ST	IN LUST, IN UST	Lower	711, 0.135, SSW
D21	COMMONS MALL	332 COMMONS MALL	IN AUL, IN BROWNFIELDS	Higher	735, 0.139, WNW
22	FIRST CHRISTIAN CHUR	531 5TH ST	IN UST	Higher	773, 0.146, North
D23	SEARS 2070	222 COMMONS MALL	RCRA-CESQG	Lower	818, 0.155, WNW
24	FORMER COLUMBUS WOOD	53 LAFAYETTE AVE	RCRA-CESQG, FINDS, ECHO	Lower	885, 0.168, South
F25	MARR PROPERTIES	5TH & WASHINGTON ST	RCRA-CESQG, IN MANIFEST	Higher	889, 0.168, NW
E26	PREMIER AGRICULTURAL	801 2ND ST	IN UST	Lower	898, 0.170, ESE
F27	CUMMINS INCORPORATED	525 JACKSON ST	RCRA-CESQG, FINDS, ECHO	Higher	974, 0.184, NNW
28	PAPA'S DELI	819 3RD STREET	US BROWNFIELDS	Lower	1020, 0.193, East
29	E. COHN CO.	715 5TH ST	IN SWRCY	Higher	1027, 0.195, NE
F30	NEAL PAINT & WALLPAP	523 WASHINGTON ST	RCRA-CESQG, FINDS, ECHO, IN MANIFEST	Higher	1072, 0.203, NNW
31	TOMS FOOD & FUEL	867 E 2ND ST	IN UST	Lower	1221, 0.231, ESE
G32	JACKS PLACE 2	910 3RD ST	IN LUST, IN UST	Lower	1249, 0.237, ENE
G33	BARTHOLOMEW COUNTY F	901 THIRD ST	IN LUST	Higher	1322, 0.250, East
G34	NATIONAL CAR RENTAL	924 3RD ST	IN LUST, IN UST	Lower	1329, 0.252, East
35	CUMMINS INCORPORATED	500 JACKSON ST	IN LUST, IN UST	Lower	1334, 0.253, NW
36	GRIFFIN INDUSTRIES,	345 WATER STREET, P.	IN SWRCY	Lower	1348, 0.255, SW
G37	ARTS CLEANERS INC	326 CALIFORNIA ST	RCRA-SQG, FINDS, ECHO, IN IND WASTE, IN MANIFEST,...	Lower	1455, 0.276, ENE
38	CUMMINS ENGINE PLANT	1000 5TH ST	IN LUST, IN UST, IN SPILLS	Lower	1705, 0.323, ENE

MAPPED SITES SUMMARY

Target Property Address:
215 FRANKLIN ST AND 507 3RD STREET
COLUMBUS, IN 47201

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	ST BARTHOLOMEWS	725-745 SYCAMORE	IN BROWNFIELDS	Higher	1912, 0.362, NNE
H40	CARL L WILLIAMS	333 8TH ST	IN LUST, IN UST	Lower	1986, 0.376, NNW
H41	VACANT LOT	8TH & WASHINGTON ST	IN LUST	Lower	2021, 0.383, NNW
H42	A & H SERVICE	803 WASHINGTON ST	IN LUST, IN UST	Lower	2093, 0.396, NNW
43	FIRST UNITED METHODI	618 8TH ST	IN SWRCY	Higher	2132, 0.404, North
44	MARIAH FOODS INCORPO	1333 INDIANA AVENUE	IN AUL, IN VCP, IN SPILLS, IN AIRS, IN NPDES, IN...	Lower	2393, 0.453, ESE
45	PROPERTY	8TH & 11TH STREET SE	US BROWNFIELDS, FINDS	Lower	2440, 0.462, NW
46	INTERSTATE BRANDS CO	920 WASHINGTON ST	IN LUST, IN UST	Lower	2508, 0.475, NNW
47	INDIANA GAS/COLUMBUS	WEST STREET (PARK)	EDR MGP	Lower	2779, 0.526, WNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GRAHAM TODD BUILDING 215 FRANKLIN ST COLUMBUS, IN 47201	FINDS Registry ID:: 110012016488	N/A
GRAHAM TODD BUILDING 215 FRANKLIN ST COLUMBUS, IN 47201	IN UST Facility Id: 15889 Tank Status: Permanently Out of Service	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

IN SHWS ---------- List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

State and tribal landfill and/or solid waste disposal site lists

IN OPEN DUMPS ---------- Open Dump Waste Sites
IN SWF/LF ---------- Permitted Solid Waste Facilities

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
IN AST ---------- Above Ground Storage Tanks
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

IN SWTIRE ---------- Waste Tire Sites Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
IN CDL ---------- Clandestine Drug Lab Listing
IN DEL SHWS ---------- Deleted Commissioner's Bulletin Sites List
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS 2 ---------- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
IN SPILLS 90 ---------- SPILLS 90 data from FirstSearch

IN SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File
ABANDONED MINES ---- Abandoned Mines
UXO ---- Unexploded Ordnance Sites
DOCKET HWC ---- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---- EPA Fuels Program Registered Listing
IN BULK ---- Registered Bulk Fertilizer and Pesticide Storage Facilities
IN CFO ---- Confined Feeding Operations
IN COAL ASH ---- Coal Ash Disposal Sites
IN DRYCLEANERS ---- Drycleaner Facility Listing
IN Financial Assurance ---- Financial Assurance Information Listing
IN UIC ---- UIC Site Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Cleaner ---- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

IN RGA HWS ---- Recovered Government Archive State Hazardous Waste Facilities List

EXECUTIVE SUMMARY

IN RGA LF---------- Recovered Government Archive Solid Waste Facilities List
IN RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal Delisted NPL site list

Delisted 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 deleted from the NPL where no further response is appropriate.

A review of the Delisted NPL list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS OLD MUNICIP EPA ID:: IND980607626 Site ID:: 501673	***3RD ST BRIDGE AT WHI***	***SW 1/4 - 1/2 (0.328 mi.)***	***0***	***9***

Federal CERCLIS list

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

A review of the SEMS list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS OLD MUNICIP Site ID: 0501673	***3RD ST BRIDGE AT WHI***	***SW 1/4 - 1/2 (0.328 mi.)***	***0***	***9***

EXECUTIVE SUMMARY

EPA Id: IND980607626

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 12/13/2018 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS WOOD PRESER Site ID: 0502096 EPA Id: IND981957046	***500 BLOCK OF 1ST ST***	***SSW 0 - 1/8 (0.075 mi.)***	***C15***	***58***

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARR PROPERTIES EPA ID:: INR000112581	***5TH & WASHINGTON ST***	***NW 1/8 - 1/4 (0.168 mi.)***	***F25***	***73***
CUMMINS INCORPORATED EPA ID:: INR000135673	***525 JACKSON ST***	***NNW 1/8 - 1/4 (0.184 mi.)***	***F27***	***76***
NEAL PAINT & WALLPAP EPA ID:: INR000103085	***523 WASHINGTON ST***	***NNW 1/8 - 1/4 (0.203 mi.)***	***F30***	***87***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEARS 2070 EPA ID:: INR000126052	222 COMMONS MALL	WNW 1/8 - 1/4 (0.155 mi.)	D23	68
FORMER COLUMBUS WOOD	***53 LAFAYETTE AVE***	***S 1/8 - 1/4 (0.168 mi.)***	***24***	***70***

EPA ID:: INR000138354

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 07/31/2018 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS OLD MUNICIP EPA ID:: IND980607626 EPA ID:: IND980607626	***3RD ST BRIDGE AT WHI***	***SW 1/4 - 1/2 (0.328 mi.)***	***0***	***9***

State and tribal leaking storage tank lists

IN LUST: Lust List.

A review of the IN LUST list, as provided by EDR, and dated 11/01/2018 has revealed that there are 12 IN LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL ICE COMPANY Facility Id: 13761 Description: NFA-Conditional Closure	***542 3RD ST***	***NNE 0 - 1/8 (0.016 mi.)***	***A5***	***23***
BARTHOLOMEW COUNTY F Facility Id: 22650 Description: Deactivated (no release confirmed)	901 THIRD ST	E 1/4 - 1/2 (0.250 mi.)	G33	94

Lower Elevation	Address	Direction / Distance	Map ID	Page
BOBS CAR WASH Facility Id: 14812 Description: Discontinued (active)	***711 2ND ST***	***ESE 0 - 1/8 (0.122 mi.)***	***E17***	***60***
MILLER OIL OF INDIAN Facility Id: 14956 Description: NFA-Conditional Closure	***10 S FRANKLIN ST***	***SSW 1/8 - 1/4 (0.135 mi.)***	***20***	***65***
JACKS PLACE 2 Facility Id: 3301 Description: NFA-Unconditional Closure	***910 3RD ST***	***ENE 1/8 - 1/4 (0.237 mi.)***	***G32***	***92***
NATIONAL CAR RENTAL Facility Id: 7958 Description: NFA-Unconditional Closure	***924 3RD ST***	***E 1/4 - 1/2 (0.252 mi.)***	***G34***	***94***
CUMMINS INCORPORATED Facility Id: 25601 Description: NFA-Unconditional Closure	***500 JACKSON ST***	***NW 1/4 - 1/2 (0.253 mi.)***	***35***	***95***
CUMMINS ENGINE PLANT	***1000 5TH ST***	***ENE 1/4 - 1/2 (0.323 mi.)***	***38***	***109***

Facility Id: 11666 Description: NFA-Unconditional Closure				
CARL L WILLIAMS Facility Id: 13794 Description: NFA-Unconditional Closure	***333 8TH ST***	***NNW 1/4 - 1/2 (0.376 mi.)***	***H40***	***115***
VACANT LOT Facility Id: 18994 Description: NFA-Unconditional Closure	8TH & WASHINGTON ST	NNW 1/4 - 1/2 (0.383 mi.)	H41	115
A & H SERVICE Facility Id: 3139 Description: NFA-Unconditional Closure	***803 WASHINGTON ST***	***NNW 1/4 - 1/2 (0.396 mi.)***	***H42***	***115***
INTERSTATE BRANDS CO Facility Id: 3252 Description: NFA-Unconditional Closure	***920 WASHINGTON ST***	***NNW 1/4 - 1/2 (0.475 mi.)***	***46***	***134***

State and tribal registered storage tank lists

IN UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Management's Indiana Registered Underground Storage Tanks list.

A review of the IN UST list, as provided by EDR, and dated 11/01/2018 has revealed that there are 9 IN UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL ICE COMPANY Facility Id: 13761 Tank Status: Permanently Out of Service	***542 3RD ST***	***NNE 0 - 1/8 (0.016 mi.)***	***A5***	***23***
SEARS AUTO CENTER 61 Facility Id: 14021 Tank Status: Permanently Out of Service	222 COURTHOUSE CTR	WNW 0 - 1/8 (0.115 mi.)	D16	60
FIRST CHRISTIAN CHUR Facility Id: 1965 Tank Status: Permanently Out of Service	531 5TH ST	N 1/8 - 1/4 (0.146 mi.)	22	67

Lower Elevation	Address	Direction / Distance	Map ID	Page
SECOND STREET SAVE 1 Facility Id: 7469 Tank Status: Permanently Out of Service	610 2ND ST	SE 0 - 1/8 (0.014 mi.)	B4	22
BOBS CAR WASH Facility Id: 14812 Tank Status: Permanently Out of Service	***711 2ND ST***	***ESE 0 - 1/8 (0.122 mi.)***	***E17***	***60***
MILLER OIL OF INDIAN Facility Id: 14956 Tank Status: Unregulated (not billed) Tank Status: Permanently Out of Service	***10 S FRANKLIN ST***	***SSW 1/8 - 1/4 (0.135 mi.)***	***20***	***65***
PREMIER AGRICULTURAL	801 2ND ST	ESE 1/8 - 1/4 (0.170 mi.)	E26	75

Facility Id: 1848 Tank Status: Permanently Out of Service				
TOMS FOOD & FUEL Facility Id: 18438 Tank Status: Currently in use	867 E 2ND ST	ESE 1/8 - 1/4 (0.231 mi.)	31	91
JACKS PLACE 2 Facility Id: 3301 Tank Status: Currently in use Tank Status: Permanently Out of Service	***910 3RD ST***	***ENE 1/8 - 1/4 (0.237 mi.)***	***G32***	***92***

State and tribal institutional control / engineering control registries

IN AUL: A listing of Comfort/Site Status Letter sites that have been issued with Institutional Controls.

A review of the IN AUL list, as provided by EDR, and dated 11/05/2018 has revealed that there are 4 IN AUL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NATIONAL ICE COMPANY Facility Id: 13761	***542 3RD ST***	***NNE 0 - 1/8 (0.016 mi.)***	***A5***	***23***
COMMONS MALL Facility Id: 4080902	***332 COMMONS MALL***	***WNW 1/8 - 1/4 (0.139 mi.)***	***D21***	***66***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER OIL OF INDIAN Facility Id: 14956	***10 FRANKLIN ST***	***SSW 0 - 1/8 (0.124 mi.)***	***C19***	***62***
MARIAH FOODS INCORPO Facility Id: 6970606	***1333 INDIANA AVENUE***	***ESE 1/4 - 1/2 (0.453 mi.)***	***44***	***120***

State and tribal voluntary cleanup sites

IN VCP: Department of Environmental Management's current list of Voluntary Remediation Program sites that are no longer confidential.

A review of the IN VCP list, as provided by EDR, and dated 10/23/2018 has revealed that there are 2 IN VCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS WOOD TREATI Status: Inactive VRP Id Number: 6060703	705 2ND STREET	SE 0 - 1/8 (0.052 mi.)	B10	28
MARIAH FOODS INCORPO Status: Inactive VRP Id Number: 6970606	***1333 INDIANA AVENUE***	***ESE 1/4 - 1/2 (0.453 mi.)***	***44***	***120***

EXECUTIVE SUMMARY

State and tribal Brownfields sites

IN BROWNFIELDS: >A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redeveloopment is complicated due to the actual or perceived environmental contamination.

A review of the IN BROWNFIELDS list, as provided by EDR, and dated 08/17/2018 has revealed that there are 5 IN BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMONS MALL Facility Id: 4080902	***332 COMMONS MALL***	***WNW 1/8 - 1/4 (0.139 mi.)***	***D21***	***66***
ST BARTHOLOMEWS Facility Id: 4151010	725-745 SYCAMORE	NNE 1/4 - 1/2 (0.362 mi.)	39	114

Lower Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS WOOD TREATI Facility Id: 4100901	705 2ND ST	SE 0 - 1/8 (0.052 mi.)	B12	56
LOT 2B Facility Id: 4080515	701 2ND ST	ESE 0 - 1/8 (0.066 mi.)	B13	56
COLUMBUS WOOD PRESER Facility Id: 4990007	***500 BLOCK OF 1ST ST***	***SSW 0 - 1/8 (0.075 mi.)***	***C15***	***58***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/17/2018 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER COLUMBUS WOOD ACRES property ID: 161722	***705 2ND STREET***	***SE 0 - 1/8 (0.052 mi.)***	***B11***	***29***
PAPA'S DELI ACRES property ID: 235682	819 3RD STREET	E 1/8 - 1/4 (0.193 mi.)	28	78
PROPERTY ACRES property ID: 10692	***8TH & 11TH STREET SE***	***NW 1/4 - 1/2 (0.462 mi.)***	***45***	***131***

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

IN SWRCY: A listing of recycling facilities located in the state of Indiana.

A review of the IN SWRCY list, as provided by EDR, and dated 01/15/2019 has revealed that there are 5 IN SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRST CHRISTIAN CHUR	541 4TH ST	N 0 - 1/8 (0.070 mi.)	14	57
E. COHN CO.	715 5TH ST	NE 1/8 - 1/4 (0.195 mi.)	29	85
FIRST UNITED METHODI	618 8TH ST	N 1/4 - 1/2 (0.404 mi.)	43	117
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
BARTHOLOMEW COUNTY C	500 2ND ST	SW 0 - 1/8 (0.003 mi.)	3	20
GRIFFIN INDUSTRIES,	345 WATER STREET, P.	SW 1/4 - 1/2 (0.255 mi.)	36	96

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ICE HOUSE COMMUNITY EPA ID:: INR000135798	***540 3RD ST***	***NNE 0 - 1/8 (0.019 mi.)***	***A7***	***24***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
MILLER OIL OF INDIAN EPA ID:: INR000106013	***10 FRANKLIN ST***	***SSW 0 - 1/8 (0.124 mi.)***	***C19***	***62***

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

A review of the ROD list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COLUMBUS OLD MUNICIP EPA ID:: IND980607626	***3RD ST BRIDGE AT WHI***	***SW 1/4 - 1/2 (0.328 mi.)***	***0***	***9***

IN MANIFEST:

A review of the IN MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there are 4 IN MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ICE HOUSE COMMUNITY EPA ID: INR000135798	540 3RD ST	NNE 0 - 1/8 (0.019 mi.)	A6	24
MARR PROPERTIES EPA ID: INR000112581	***5TH & WASHINGTON ST***	***NW 1/8 - 1/4 (0.168 mi.)***	***F25***	***73***
NEAL PAINT & WALLPAP EPA ID: INR000103085	***523 WASHINGTON ST***	***NNW 1/8 - 1/4 (0.203 mi.)***	***F30***	***87***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER OIL OF INDIAN EPA ID: INR000106013	***10 FRANKLIN ST***	***SSW 0 - 1/8 (0.124 mi.)***	***C19***	***62***

IN OISC: Restricted use pesticide dealers and pesticide & fertilizer applicators.

A review of the IN OISC list, as provided by EDR, and dated 09/18/2018 has revealed that there is 1 IN OISC site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARTHOLOMEW COUNTY H	440 3RD ST STE 303	NW 0 - 1/8 (0.034 mi.)	9	27

IN SCP: The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

A review of the IN SCP list, as provided by EDR, and dated 08/29/2016 has revealed that there are 2 IN SCP sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER OIL OF INDIAN Facility Id: 3983	***10 FRANKLIN ST***	***SSW 0 - 1/8 (0.124 mi.)***	***C19***	***62***
ARTS CLEANERS INC Facility Id: 853	***326 CALIFORNIA ST***	***ENE 1/4 - 1/2 (0.276 mi.)***	***G37***	***96***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste.

Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INDIANA GAS/COLUMBUS	WEST STREET (PARK)	WNW 1/2 - 1 (0.526 mi.)	47	134

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

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRIANGLE SERVICE STA	600-02 3RD ST	NE 0 - 1/8 (0.022 mi.)	8	27

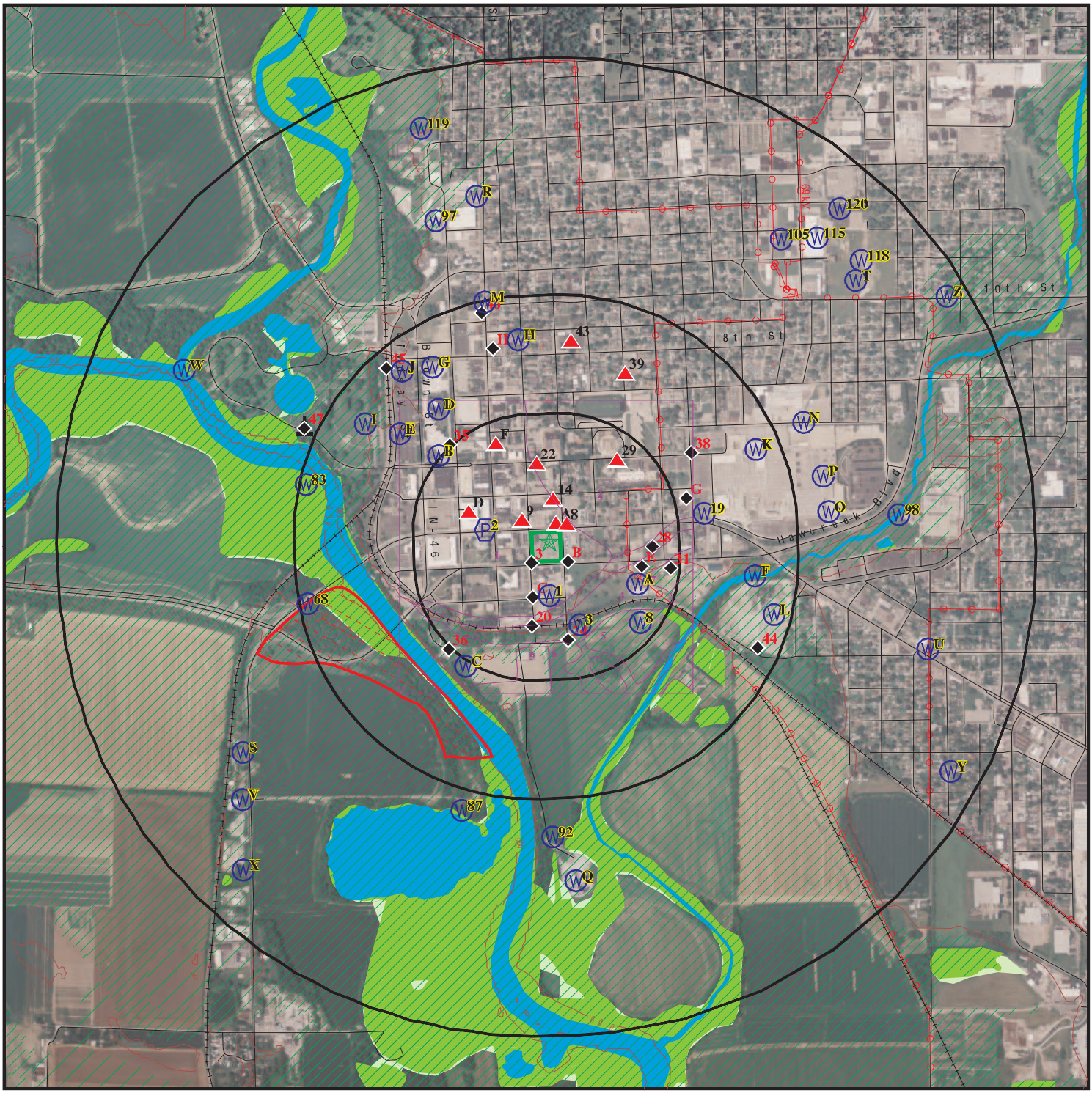
Lower Elevation	Address	Direction / Distance	Map ID	Page
ROBO-WASH OF INDIANA	711 E 2ND ST	ESE 0 - 1/8 (0.122 mi.)	E18	61

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
IRWIN UNION PARKING LOT	IN VCP

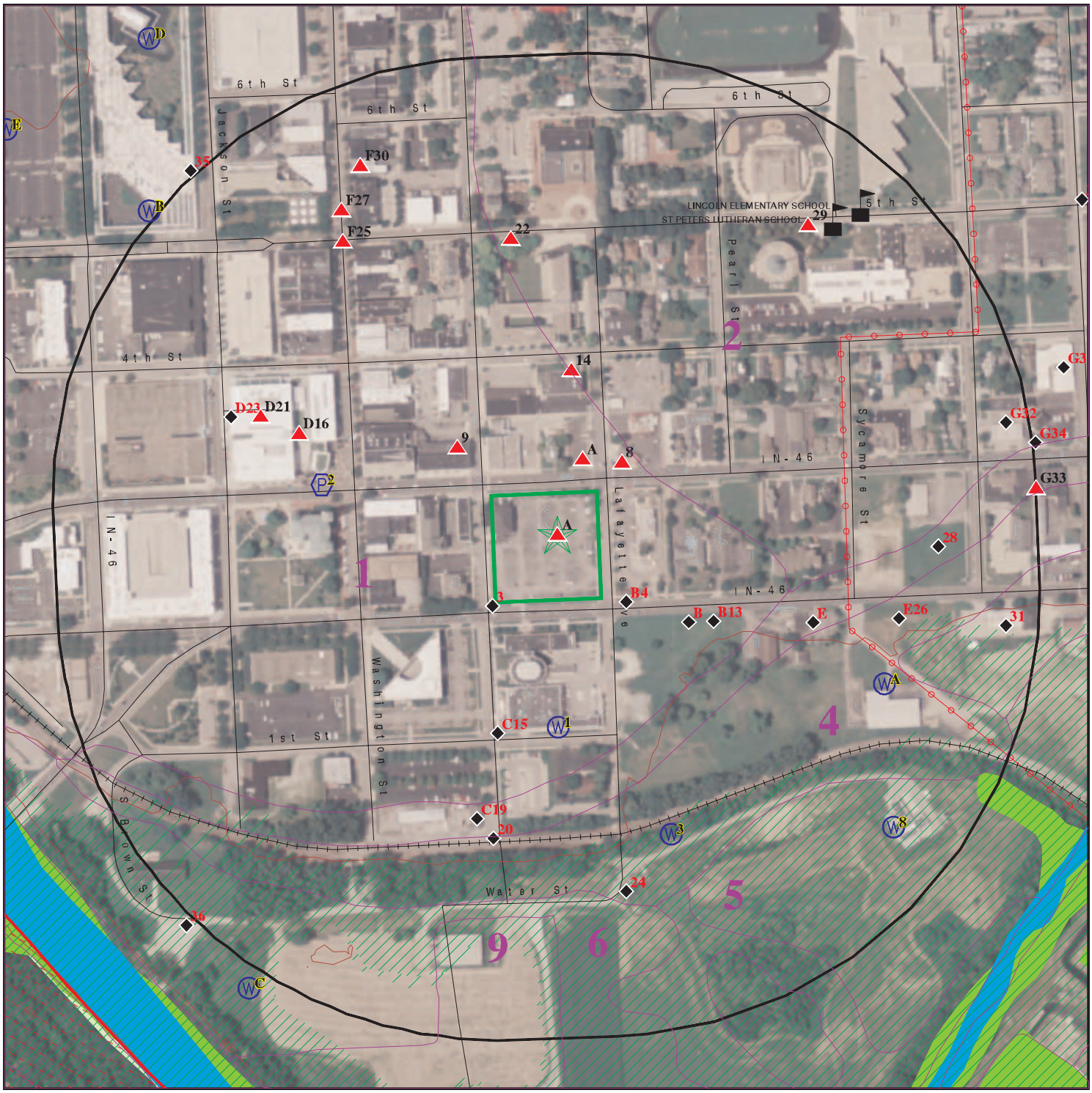
OVERVIEW MAP - 05584135.1R



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

SITE NAME:	JT0460.710.0002	CLIENT:	August Mack Environmental, Inc
ADDRESS:	215 Franklin St and 507 3rd Street Columbus IN 47201	CONTACT:	Elyse Baron
LAT/LONG:	39.201035 / 85.918875	INQUIRY #:	05584135.1r
		DATE:	March 08, 2019 2:32 pm

DETAIL MAP - 05584135.1R



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

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

SITE NAME:	JT0460.710.0002	CLIENT:	August Mack Environmental, Inc
ADDRESS:	215 Franklin St and 507 3rd Street Columbus IN 47201	CONTACT:	Elyse Baron
LAT/LONG:	39.201035 / 85.918875	INQUIRY #:	05584135.1r
		DATE:	March 08, 2019 2:33 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	1	0	NR	1
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	0	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	5	NR	NR	NR	5
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	1	NR	NR	1
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
IN SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
IN OPEN DUMPS	0.500		0	0	0	NR	NR	0
IN SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
IN LUST	0.500		2	2	8	NR	NR	12
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
IN UST	0.250	1	4	5	NR	NR	NR	10
IN AST	0.125		0	NR	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
IN AUL	0.500		2	1	1	NR	NR	4
State and tribal voluntary cleanup sites								
IN VCP	0.500		1	0	1	NR	NR	2
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
IN BROWNFIELDS	0.500		3	1	1	NR	NR	5
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	1	1	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
IN SWTIRE	0.500		0	0	0	NR	NR	0
IN SWRCY	0.500		2	1	2	NR	NR	5
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
IN CDL	TP		NR	NR	NR	NR	NR	0
IN DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
IN SPILLS	TP		NR	NR	NR	NR	NR	0
IN SPILLS 90	TP		NR	NR	NR	NR	NR	0
IN SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		2	0	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	1	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
IN AIRS	TP		NR	NR	NR	NR	NR	0
IN ASBESTOS	TP		NR	NR	NR	NR	NR	0
IN BULK	0.250		0	0	NR	NR	NR	0
IN CFO	TP		NR	NR	NR	NR	NR	0
IN COAL ASH	0.500		0	0	0	NR	NR	0
IN DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IN Financial Assurance	TP		NR	NR	NR	NR	NR	0
IN IND WASTE	0.250		0	0	NR	NR	NR	0
IN MANIFEST	0.250		2	2	NR	NR	NR	4
RI MANIFEST	0.250		0	0	NR	NR	NR	0
IN NPDES	TP		NR	NR	NR	NR	NR	0
IN OISC	0.250		1	0	NR	NR	NR	1
IN SCP	0.500		1	0	1	NR	NR	2
IN TIER 2	TP		NR	NR	NR	NR	NR	0
IN UIC	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
IN RGA HWS	TP		NR	NR	NR	NR	NR	0
IN RGA LF	TP		NR	NR	NR	NR	NR	0
IN RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		2	24	18	19	1	0	64

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **GRAHAM TODD BUILDING** **FINDS** **1005511016**
Target **215 FRANKLIN ST** **N/A**
Property **COLUMBUS, IN 47201**

Site 1 of 5 in cluster A

Actual: **628 ft.**

FINDS:

Registry ID: 110012016488

Environmental Interest/Information System
IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

STATE MASTER

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

A2 **GRAHAM TODD BUILDING** **IN UST** **U000194423**
Target **215 FRANKLIN ST** **N/A**
Property **COLUMBUS, IN 47201**

Site 2 of 5 in cluster A

Actual: **628 ft.**

UST:

Facility ID:	15889
Owner Id:	8046
Company Name:	Bartholomew County Commissioners
Mailing Address:	440 3rd St
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Columbus, IN 47201
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	500
Substance Desc:	Used Oil
Closed Date:	07/06/1989
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	500
Substance Desc:	Other
Closed Date:	07/06/1989
Tank Number:	3
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	500
Substance Desc:	Other

GRAHAM TODD BUILDING (Continued) **U000194423**

Closed Date: 07/06/1989

NPL **COLUMBUS OLD MUNICIPAL LANDFILL #1** **Delisted NPL** **1000426165**
Region **3RD ST BRIDGE AT WHITE RIVER** **SEMS** **IND980607626**
SW **COLUMBUS, IN 47201** **US ENG CONTROLS**
1/4-1/2 **ROD**
1732 ft. **ICIS**
FINDS
ECHO

Delisted NPL:
EPA ID: IND980607626
Site ID: 501673
EPA Region: 5
Federal: No
Deleted Date: 2014-01-24 00:00:00
Latitude: 39.197400000000002
Longitude: -85.926000000000002

Category Details:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 10 And <= 25 Feet
Category Value: 12

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-0 Miles (On Site)
Category Value: 0

Site Details:
Site Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
Site Status: Final
Site Zip: 47201
Site City: COLUMBUS
Site State: IN
Federal Site: No
Site County: BARTHOLOMEW
EPA Region: 05
Date Proposed: 09/18/85
Date Deleted: Not reported
Date Finalized: 06/10/86

Substance Details:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: GROUND WATER PATHWAY
Scoring: 3

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

NPL Status: Currently on the Final NPL
Substance ID: A020
Substance: CHROMIUM AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: SURFACE WATER PATHWAY
Scoring: 3

Summary Details:

Conditions at proposal September 18, 1985): The Columbus Old Municipal Landfill 1 covers 10 to 12 acres on the East Fork of the White River in Columbus, Bartholomew County, Indiana. From the early l950s through the late l960s, the city operated the landfill, accepting municipal waste and about 3.5 million gallons of industrial wastes. It had no permits. According to a waste generator, Cummins Engine Co., the industrial wastes included solvents, acids, bases, paints, PCBs,and heavy metals. After closing the old landfill, Columbus opened a new landfill. The old landfill is unlined and in permeable soils. It is covered with a permeable layer of sand and gravel on which grass has grown. Wastes were deposited on the surface, and the site forms a low barrier between the surrounding farmlands and the river. Ground water is contaminated with lead and chromium, according to tests conducted by EPA in August 1985. The geology and location of the siteare such that area surface water is threatened. About 31,000 people depend on wells within 3 miles of the site as a source of drinking water. The White River, 100 feet from the site, is a prime fishing stream. The land is privately owned and is now leased to an individual who operates waste oil storage tanks on the site. Status June 10, 1986): EPA is considering various alternatives for the site.

Site Status Details:
NPL Status: Final
Proposed Date: 09/18/1985
Final Date: 06/10/1986
Deleted Date: Not reported

Narratives Details:
NPL Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
City: COLUMBUS
State: IN

SEMS:
Site ID: 0501673

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

EPA ID: IND980607626
Cong District: 6
FIPS Code: 18005
Latitude: +39.197400
Longitude: -85.926000
FF: N
NPL: Deleted from the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 05
Site ID: 0501673
EPA ID: IND980607626
Site Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL: D
FF: N
OU: 00
Action Code: FE
Action Name: 5 YEAR
SEQ: 3
Start Date: 2010-05-18 05:00:00
Finish Date: 5/18/2010
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 05
Site ID: 0501673
EPA ID: IND980607626
Site Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL: D
FF: N
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-02-01 05:00:00
Finish Date: 2/1/1984
Qual: H
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501673
EPA ID: IND980607626
Site Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL: D
FF: N
OU: 00
Action Code: RS
Action Name: RV ASSESS
SEQ: 2
Start Date: 1991-09-28 04:00:00
Finish Date: 8/30/1992
Qual: Not reported
Current Action Lead: EPA Perf

Region: 05
Site ID: 0501673
EPA ID: IND980607626

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	RS
Action Name:	RV ASSESS
SEQ:	1
Start Date:	1990-05-31 04:00:00
Finish Date:	9/21/1990
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1992-03-31 05:00:00
Finish Date:	3/31/1992
Qual:	R
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1987-09-15 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	CM
Action Name:	PCOR
SEQ:	1
Start Date:	1994-09-15 04:00:00
Finish Date:	9/15/1994
Qual:	Not reported
Current Action Lead:	EPA Perf

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1985-09-18 05:00:00
Finish Date:	9/18/1985
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1986-06-10 04:00:00
Finish Date:	6/10/1986
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1984-02-10 05:00:00
Finish Date:	2/10/1984
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1991-08-06 04:00:00
Finish Date:	Not reported

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

Qual:	E
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	CQ
Action Name:	CLSOUT R
SEQ:	1
Start Date:	2013-04-30 04:00:00
Finish Date:	4/30/2013
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	4
Start Date:	2015-03-04 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	2
Start Date:	2015-03-04 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

SEQ:	1
Start Date:	1981-08-01 04:00:00
Finish Date:	8/1/1981
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	ND
Action Name:	DELETION
SEQ:	1
Start Date:	2014-01-24 05:00:00
Finish Date:	1/24/2014
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	BE
Action Name:	PRP RD
SEQ:	1
Start Date:	1993-04-01 05:00:00
Finish Date:	10/19/1993
Qual:	Not reported
Current Action Lead:	St Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	BF
Action Name:	PRP RA
SEQ:	1
Start Date:	1993-10-22 04:00:00
Finish Date:	9/15/1994
Qual:	Not reported
Current Action Lead:	St Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

OU:	01
Action Code:	OM
Action Name:	OM
SEQ:	1
Start Date:	1994-09-15 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	St Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	JF
Action Name:	ECO RISK
SEQ:	1
Start Date:	1990-06-04 04:00:00
Finish Date:	6/4/1990
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	BD
Action Name:	PRP RI/FS
SEQ:	1
Start Date:	1987-09-15 04:00:00
Finish Date:	3/31/1992
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	01
Action Code:	ED
Action Name:	R/H ASMT
SEQ:	1
Start Date:	1990-06-04 04:00:00
Finish Date:	6/4/1990
Qual:	Not reported
Current Action Lead:	EPA Ovrsght
Region:	05
Site ID:	0501673
EPA ID:	IND980607626

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1983-05-01 04:00:00
Finish Date:	5/1/1983
Qual:	H
Current Action Lead:	St Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	4
Start Date:	2014-11-17 05:00:00
Finish Date:	5/6/2015
Qual:	Not reported
Current Action Lead:	St Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	2
Start Date:	2005-09-23 04:00:00
Finish Date:	9/23/2005
Qual:	Not reported
Current Action Lead:	St Perf

Region:	05
Site ID:	0501673
EPA ID:	IND980607626
Site Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
NPL:	D
FF:	N
OU:	00
Action Code:	FE
Action Name:	5 YEAR
SEQ:	1
Start Date:	2000-09-22 04:00:00
Finish Date:	9/22/2000
Qual:	Not reported
Current Action Lead:	St Perf

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

US ENG CONTROLS:

EPA ID:	IND980607626
Site ID:	0501673
Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
Address:	3RD ST BRIDGE AT WHITE RIVER COLUMBUS, IN 47201
EPA Region:	05
County:	BARTHOLOMEW
Event Code:	Not reported
Actual Date:	03/31/1992
Contact Name:	Not reported
Contact Phone and Ext:	Not reported
Event Code Description:	Not reported

Action ID:	001
Action Name:	RECORD OF DECISION
Action Completion date:	03/31/1992
Operable Unit:	01
Contaminated Media :	Solid Waste
Engineering Control:	Monitoring
Contact Name:	Not reported
Contact Phone and Ext:	Not reported
Event Code Description:	Not reported

Action ID:	001
Action Name:	RECORD OF DECISION
Action Completion date:	03/31/1992
Operable Unit:	01
Contaminated Media :	Solid Waste
Engineering Control:	No Action
Contact Name:	Not reported
Contact Phone and Ext:	Not reported
Event Code Description:	Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

ICIS:

Enforcement Action ID:	05-1987-0203
FRS ID:	110009284675
Action Name:	OLD CITY LANDFILL - CITY DUMP #1
Facility Name:	COLUMBUS OLD MUNICIPAL LANDFILL #1
Facility Address:	3RD ST BRIDGE AT WHITE RIVER COLUMBUS, IN 47201
Enforcement Action Type:	CERCLA 122A/104A Agrmt For RI/FS
Facility County:	BARTHOLOMEW
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122/104
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	39.1974
Longitude in Decimal Degrees:	-85.926
Permit Type Desc:	Not reported
Program System Acronym:	19088

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
Address: 3RD ST BRIDGE AT WHITE RIVER
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
Address: 3RD ST BRIDGE AT WHITE RIVER
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
Address: 3RD ST BRIDGE AT WHITE RIVER
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: COLUMBUS OLD MUNICIPAL LANDFILL #1
Address: 3RD ST BRIDGE AT WHITE RIVER
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

Registry ID: 110009284675

Environmental Interest/Information System

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

SUPERFUND NPL

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA’s programs. The vision for ICIS is to replace EPA’s independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate

COLUMBUS OLD MUNICIPAL LANDFILL #1 (Continued) **1000426165**

that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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

ECHO:

Envid:	1000426165
Registry ID:	110009284675
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009284675

3
SW
< 1/8
0.003 mi.
16 ft.

BARTHOLOMEW COUNTY COMMISIONERS **IN SWRCY** **S109949479**
500 2ND ST **N/A**
COLUMBUS, IN 47201

Relative:
Lower

Actual:
627 ft.

SWRCY:

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Program Company:	Not reported

BARTHOLOMEW COUNTY COMMISIONERS (Continued) **S109949479**

Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Newspaper, Magazines, Mixed Residential
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported

BARTHOLOMEW COUNTY COMMISIONERS (Continued) **S109949479**

Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

B4 **SECOND STREET SAVE 117** **IN UST** **U003093792**
SE **610 2ND ST** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.014 mi.
76 ft. **Site 1 of 5 in cluster B**

Relative: UST:
Lower

Actual:
625 ft.

Facility ID:	7469
Owner Id:	21305
Company Name:	Toms Commercials LLC
Mailing Address:	2300 Washington St
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Columbus, IN 472014185
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	09/01/1972
Tank Capacity:	12000
Substance Desc:	Gasoline
Closed Date:	05/26/2005
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	09/01/1972
Tank Capacity:	12000
Substance Desc:	Gasoline
Closed Date:	05/26/2005
Tank Number:	3
Tank Status:	**Permanently Out of Service**
Install Date:	09/01/1972
Tank Capacity:	12000
Substance Desc:	Gasoline
Closed Date:	05/26/2005

A5 **NATIONAL ICE COMPANY** **IN LUST** **1000762534**
NNE **542 3RD ST** **IN UST** **N/A**
< 1/8 **COLUMBUS, IN 47201** **IN AUL**
0.016 mi.
85 ft. **Site 3 of 5 in cluster A**

Relative:
Higher

Actual:
630 ft.

LUST:
Facility ID: 13761
Incident Number: 200404506
Description: NFA-Conditional Closure
Priority: Low

UST:
Facility ID: 13761
Owner Id: 931
Company Name: National Ice Co
Mailing Address: 542 3rd St
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 47201

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 200
Substance Desc: Gasoline
Closed Date: 07/01/1988

AUL:
IC TYPE: Environmental Restrictive Covenant
Facility Id: 13761
Program Area: UST
Affected Media: Subsurface Soil
Date Ic Recorded: 10/21/2009
Description: 2009-13155 - Covenant Book. Parcel Report from county GIS shows IHCD the current owner. pc 3/9/11. Source: Website-GIS
Control Method A: Agricultural or Food Crop
Coverage A: Entire Property
Chemicals Of Concern A: TPH - Total Petroleum Hydrocarbons
Comments A: Not reported
Control Method B: Excavation Notice Required
Coverage B: Portion of Property
Chemicals Of Concern B: TPH - Total Petroleum Hydrocarbons
Comments B: Not reported
Control Method C: Ground Water Use Restriction
Coverage C: Entire Property
Chemicals Of Concern C: TPH - Total Petroleum Hydrocarbons
Comments C: Not reported
Control Method D: Residential Use Restriction
Coverage D: Entire Property
Chemicals Of Concern D: TPH - Total Petroleum Hydrocarbons
Comments D: Not reported
Control Method E: Not reported
Coverage E: Not reported
Chemicals Of Concern E: Not reported
Comments E: Not reported
Control Method F: Not reported
Coverage F: Not reported
Chemicals Of Concern F: Not reported

NATIONAL ICE COMPANY (Continued) **1000762534**

Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

A6 **ICE HOUSE COMMUNITY DEVELOPMENT INCORPORATED** **IN MANIFEST** **S117068697**
NNE **540 3RD ST** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.019 mi.
101 ft. **Site 4 of 5 in cluster A**

Relative: **Higher**
Actual: **630 ft.**

IN MANIFEST:

Year:	2013
EPA ID:	INR000135798
Tons Generated:	80.71
Tons Shipped OffSite:	80.71
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

A7 **ICE HOUSE COMMUNITY DEVELOPMENT INC** **RCRA NonGen / NLR** **1016168697**
NNE **540 3RD ST** **FINDS** **INR000135798**
< 1/8 **COLUMBUS, IN 47201** **ECHO**
0.019 mi.
101 ft. **Site 5 of 5 in cluster A**

Relative: **Higher**
Actual: **630 ft.**

RCRA NonGen / NLR:

Date form received by agency:	05/02/2014
Facility name:	ICE HOUSE COMMUNITY DEVELOPMENT INC
Facility address:	540 3RD ST COLUMBUS, IN 47201
EPA ID:	INR000135798
Mailing address:	5TH ST COLUMBUS, IN 47201
Contact:	JON REYNOLDS
Contact address:	5TH ST COLUMBUS, IN 47201
Contact country:	US
Contact telephone:	812-225-6799
Contact email:	JREYNOLDS47@COMCAST.NET
EPA Region:	05
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

ICE HOUSE COMMUNITY DEVELOPMENT INC (Continued) **1016168697**

Owner/Operator Summary:

Owner/operator name:	ICE HOUSE COMMUNITY DEVELOPMENT INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2009
Owner/Op end date:	Not reported

Owner/operator name:	ICE HOUSE COMMUNITY DEVELOPMENT INC
Owner/operator address:	5TH ST
	COLUMBUS, IN 47201
Owner/operator country:	US
Owner/operator telephone:	812-379-4491
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2009
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code:	D002
. Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

ICE HOUSE COMMUNITY DEVELOPMENT INC (Continued) **1016168697**

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 05/01/2014
Site name: ICE HOUSE COMMUNITY DEVELOPMENT INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 07/25/2013
Site name: ICE HOUSE COMMUNITY DEVELOPMENT INCORPORATED
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

ICE HOUSE COMMUNITY DEVELOPMENT INC (Continued) **1016168697**

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110055525070

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

HAZARDOUS WASTE BIENNIAL REPORTER

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

ECHO:
Envid: 1016168697
Registry ID: 110055525070
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055525070

8
NE
< 1/8
0.022 mi.
118 ft.

TRIANGLE SERVICE STATION **EDR Hist Auto** **1020131904**
600-02 3RD ST **N/A**
COLUMBUS, IN 47201

Relative:
Higher

Actual:
629 ft.

EDR Hist Auto

Year:	Name:	Type:
1969	TRIANGLE SERVICE STATION	Gasoline Service Stations
1970	TRIANGLE SERVICE STATION	Gasoline Service Stations
1971	TRIANGLE SERVICE STATION	Gasoline Service Stations
1972	TRIANGLE SERVICE STATION	Gasoline Service Stations
1973	TRIANGLE SERVICE STATION	Gasoline Service Stations
1974	TRIANGLE SERVICE STATION	Gasoline Service Stations

9
NW
< 1/8
0.034 mi.
180 ft.

BARTHOLOMEW COUNTY HEALTH DEPT **IN OISC** **S112253612**
440 3RD ST STE 303 **N/A**
COLUMBUS, IN 47201

Relative:
Higher

Actual:
630 ft.

OISC:
Name: OISC
Physical Address: Not reported
Mailing Address: 440 3RD ST STE 303
Phone: 812-379-1550
EMail: Not reported

BARTHOLOMEW COUNTY HEALTH DEPT (Continued) **S112253612**

Applicator Name: AARON B. SANDERS

Name: OISC
Physical Address: Not reported
Mailing Address: 440 3RD ST STE 303
Phone: 812-379-1550
EMail: Not reported
Applicator Name: LINK T. FULP

Name: OISC
Physical Address: Not reported
Mailing Address: 440 3RD ST STE 303
Phone: 812-379-1550
EMail: Not reported
Applicator Name: SCOTT BRIAN STRIETELMEIER

Name: OISC
Physical Address: Not reported
Mailing Address: 440 3RD ST STE 303
Phone: 812-379-1550
EMail: Not reported
Applicator Name: MATTHEW L. GALBRAITH

Name: OISC
Physical Address: Not reported
Mailing Address: 440 3RD ST STE 303
Phone: 812-379-1550
EMail: Not reported
Applicator Name: SCOTT E. MURRAY

B10 **COLUMBUS WOOD TREATING PLANT** **IN VCP** **S108646295**
SE **705 2ND STREET** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.052 mi.
274 ft. **Site 2 of 5 in cluster B**

Relative: VCP:
Lower

Actual:
623 ft.

Status:	Inactive
VRP Id Number:	6060703
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Not reported
Project Manager:	Holland
Convenant Not To Sue Date:	Not reported
Certificate of Completion Date:	Not reported
New Coding Number:	V60JJ
App# Date:	07/26/2006
App# Acceptance:	Not reported
VRA executed:	12/08/2006
RWP Received:	Not reported
RWP Approved:	Not reported
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Not reported
Media:	Not reported
Project Description:	Not reported
Past Actions:	Not reported
Issues and Impacts:	Not reported
Future Actions:	Not reported

COLUMBUS WOOD TREATING PLANT (Continued) **S108646295**

Additional Comments: Not reported

B11
SE
< 1/8
0.052 mi.
274 ft.

FORMER COLUMBUS WOOD TREATING PLANT
705 2ND STREET
COLUMBUS, IN 47621

US BROWNFIELDS FINDS **1016403452 N/A**

Site 3 of 5 in cluster B

Relative:
Lower

Actual:
623 ft.

US BROWNFIELDS:

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	69567
Cleanup Funding Source:	Cost Share
Assessment Funding:	2500
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	Indiana Finance Authority
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	12/01/2011 00:00:00
Ownership Entity:	Government
Completion Date:	12/12/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	785699
Cleanup Funding Source:	Brownfields RLF Grant Funds Loaned
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	EPA
Grant Type:	Petroleum
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	00E96801
Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	300000
Cleanup Funding Source:	Other Federal Funding
Assessment Funding:	75000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	HUD
Grant Type:	Petroleum
Accomplishment Type:	Cleanup Planning
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	09/23/2011 00:00:00
Ownership Entity:	Government
Completion Date:	12/31/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	32893
Cleanup Funding Source:	Brownfields RLF Program Income Loaned
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Indiana Finance Authority
Grant Type:	Petroleum
Accomplishment Type:	Not reported
Accomplishment Count:	0
Cooperative Agreement Number:	00E96801

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Start Date:	Not reported
Ownership Entity:	Government
Completion Date:	Not reported
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%
Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	600000
Cleanup Funding Source:	State/Tribal Funding (non-section 128(a))
Assessment Funding:	75000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	IFA SRF
Grant Type:	Petroleum
Accomplishment Type:	Cleanup Planning
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	09/23/2011 00:00:00
Ownership Entity:	Government
Completion Date:	12/31/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	300000
Cleanup Funding Source:	Other Federal Funding
Assessment Funding:	35000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	HUD
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	08/02/2011 00:00:00
Ownership Entity:	Government
Completion Date:	09/22/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	311839
Cleanup Funding Source:	Brownfields RLF Grant Funds Loaned
Assessment Funding:	35000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	EPA
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	08/02/2011 00:00:00
Ownership Entity:	Government
Completion Date:	09/22/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries,

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

	1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%
Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	300000
Cleanup Funding Source:	Other Federal Funding
Assessment Funding:	2500
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	HUD
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	12/01/2011 00:00:00
Ownership Entity:	Government
Completion Date:	12/12/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%
Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	69567
Cleanup Funding Source:	Cost Share
Assessment Funding:	75000

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	Indiana Finance Authority
Grant Type:	Petroleum
Accomplishment Type:	Cleanup Planning
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	09/23/2011 00:00:00
Ownership Entity:	Government
Completion Date:	12/31/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%
Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	600000
Cleanup Funding Source:	State/Tribal Funding (non-section 128(a))
Assessment Funding:	35000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	IFA SRF
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	08/02/2011 00:00:00
Ownership Entity:	Government
Completion Date:	09/22/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Miller & Co., 1986; City of Columbus, 1984; Bren Ent. 1983; Rex E Breeden, 1983; The Brex Corp 1982; and Southwest Forest Industries, 1976, unknown.
Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

Click this hyperlink while viewing on your computer to access
4 additional US BROWNFIELDS: record(s) in the EDR Site Report.

Property Name:	FORMER COLUMBUS WOOD TREATING PLANT
Recipient Name:	Indiana Finance Authority
Grant Type:	BCRLF
Property Number:	19-95-25.12-4900
Parcel size:	1.24
Latitude:	39.2004139
Longitude:	-85.9175922
HCM Label:	Address Matching-House Number
Map Scale:	Not reported
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	161722
IC Data Access:	Not reported
Start Date:	04/09/2012 00:00:00
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	69567
Cleanup Funding Source:	Cost Share
Assessment Funding:	35000
Assessment Funding Source:	Local Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Redev. Commission
Cleanup Funding Entity:	Indiana Finance Authority
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E48101
Start Date:	08/02/2011 00:00:00
Ownership Entity:	Government
Completion Date:	09/22/2011 00:00:00
Current Owner:	Columbus Redevelopment Commission
Did Owner Change:	Y
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	Y
IC Category Proprietary Controls:	Y
IC Cat. Info. Devices:	Y
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	N
State/tribal program date:	01/01/2010 00:00:00
State/tribal program ID:	4100901
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Y
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	1.24
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.24
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
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Below Poverty Number:	225
Below Poverty Percent:	19.8%
Meidan Income:	6555
Meidan Income Number:	435
Meidan Income Percent:	38.3%
Vacant Housing Number:	126
Vacant Housing Percent:	21.2%
Unemployed Number:	30
Unemployed Percent:	2.6%

FORMER COLUMBUS WOOD TREATING PLANT (Continued) **1016403452**

Click this hyperlink while viewing on your computer to access
4 additional US BROWNFIELDS: record(s) in the EDR Site Report.

FINDS:

Registry ID: 110055376640

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

Registry ID: 110058855109

Environmental Interest/Information System
STATE MASTER

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

B12 **COLUMBUS WOOD TREATING** **IN BROWNFIELDS** **S109844742**
SE **705 2ND ST** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.052 mi.
274 ft. **Site 4 of 5 in cluster B**

Relative: IN BROWNFIELD:
Lower Facility ID: 4100901
Actual: Project Manager: Lynette Schrowe
623 ft. AI Id: 7148
Financial Assistance: RLF Loan 12/29/11
Other Assistance: Petroleum Determination Letter 10/19/2011
ERC Not Required: NR
Land Use Restriction: Not reported
Recordation Date or Letter: Not reported

B13 **LOT 2B** **IN BROWNFIELDS** **S110325484**
ESE **701 2ND ST** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.066 mi.
346 ft. **Site 5 of 5 in cluster B**

Relative: IN BROWNFIELD:
Lower Facility ID: 4080515
Actual: Project Manager: Lynette Schrowe
622 ft. AI Id: 6272
Financial Assistance: Not reported
Other Assistance: Comfort Letter 10/14/2009
ERC Not Required: Yes
Land Use Restriction: No residential, agricultural, wells; excavation limitations
Recordation Date or Letter: Not Recorded

14
North
< 1/8
0.070 mi.
370 ft.

FIRST CHRISTIAN CHURCH
541 4TH ST
COLUMBUS, IN 47201

IN SWRCY **S121116804**
N/A

Relative:
Higher

Actual:
630 ft.

SWRCY:

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported

FIRST CHRISTIAN CHURCH (Continued) **S121116804**

Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

C15 **COLUMBUS WOOD PRESERVING CO** **SEMS-ARCHIVE** **1003870975**
SSW **500 BLOCK OF 1ST ST** **IN BROWNFIELDS** **IND981957046**
< 1/8 **COLUMBUS, IN 47201**
0.075 mi.
394 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
625 ft.

SEMS Archive:

Site ID:	0502096
EPA ID:	IND981957046
Cong District:	02
FIPS Code:	18005
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Latitude:	+39.215000
Longitude:	-085.910000

SEMS Archive Detail:

Region:	05
Site ID:	0502096
EPA ID:	IND981957046
Site Name:	COLUMBUS WOOD PRESERVING CO
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-09-16 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	05
Site ID:	0502096
EPA ID:	IND981957046
Site Name:	COLUMBUS WOOD PRESERVING CO
NPL:	N
FF:	N
OU:	00

COLUMBUS WOOD PRESERVING CO (Continued) **1003870975**

Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	2011-10-23 04:00:00
Finish Date:	2015-11-03 05:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	05
Site ID:	0502096
EPA ID:	IND981957046
Site Name:	COLUMBUS WOOD PRESERVING CO
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1989-02-14 05:00:00
Finish Date:	1989-02-14 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	05
Site ID:	0502096
EPA ID:	IND981957046
Site Name:	COLUMBUS WOOD PRESERVING CO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1988-08-02 04:00:00
Finish Date:	1988-08-02 04:00:00
Qual:	H
Current Action Lead:	St Perf
Region:	05
Site ID:	0502096
EPA ID:	IND981957046
Site Name:	COLUMBUS WOOD PRESERVING CO
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1987-04-27 04:00:00
Finish Date:	1987-04-27 04:00:00
Qual:	Not reported
Current Action Lead:	St Perf

IN BROWNFIELD:

Facility ID:	4990007
Project Manager:	Lynette Schrowe

COLUMBUS WOOD PRESERVING CO (Continued) **1003870975**

AI Id: 6964
Financial Assistance: Assessment Grant awarded 4/5/1999
Other Assistance: Comment Letter 10/5/2004
ERC Not Required: NR
Land Use Restriction: Not reported
Recordation Date or Letter: Not reported

D16 **SEARS AUTO CENTER 6160** **IN UST** **U004124117**
WNW **222 COURTHOUSE CTR** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.115 mi.
609 ft. **Site 1 of 3 in cluster D**

Relative: **Higher**
Actual: **629 ft.**

UST:
Facility ID: 14021
Owner Id: 907
Company Name: Courthouse Center Shopping Mall
Mailing Address: 332 Courthouse Center
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 47201

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 500
Substance Desc: Used Oil
Closed Date: 06/27/1994

E17 **BOBS CAR WASH** **IN LUST** **U001081755**
ESE **711 2ND ST** **IN UST** **N/A**
< 1/8 **COLUMBUS, IN 47201** **IN ASBESTOS**
0.122 mi.
642 ft. **Site 1 of 3 in cluster E**

Relative: **Lower**
Actual: **621 ft.**

LUST:
Facility ID: 14812
Incident Number: 199207532
Description: Discontinued (active)
Priority: Low

UST:
Facility ID: 14812
Owner Id: 909
Company Name: Custom Brushed Inc
Mailing Address: 711 2nd St
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 47201

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 8000
Substance Desc: Diesel
Closed Date: 07/01/1992

BOBS CAR WASH (Continued) **U001081755**

Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	Not reported
Substance Desc:	Diesel
Closed Date:	07/01/1992

ASBESTOS:

Notification Number:	43639
Removal Name:	City of Columbus Dept of Public Works
Demolition Name:	City of Columbus Dept of Public Works
Notice Type:	Original
Owner:	City of Columbus
Demoltion Renovation Postmark:	Demolition
Fax Date:	21-AUG-17
Start Date:	11-AUG-17
End Date:	30-AUG-17
Year:	Not reported
Inspection Date:	Not reported
Inspector:	Not reported
Warning Date:	Not reported

Notification Number:	43640
Removal Name:	City of Columbus Dept of Public Works
Demolition Name:	City of Columbus Dept of Public Works
Notice Type:	Original
Owner:	City of Columbus
Demoltion Renovation Postmark:	Demolition
Fax Date:	21-AUG-17
Start Date:	11-AUG-17
End Date:	31-AUG-17
Year:	Not reported
Inspection Date:	Not reported
Inspector:	Not reported
Warning Date:	Not reported

E18 **ROBO-WASH OF INDIANA INC** **EDR Hist Auto** **1022162993**
ESE **711 E 2ND ST** **N/A**
< 1/8 **COLUMBUS, IN 47201**
0.122 mi.
642 ft. **Site 2 of 3 in cluster E**

Relative: EDR Hist Auto
Lower

Actual:
621 ft.

Year:	Name:	Type:
1969	ROBO-WASH OF INDIANA INC	Gasoline Service Stations
1970	ROBO-WASH OF INDIANA INC	Gasoline Service Stations

C19
SSW
< 1/8
0.124 mi.
655 ft.

Relative: Lower

Actual: 622 ft.

MILLER OIL OF INDIANA INC
10 FRANKLIN ST
COLUMBUS, IN 47201

Site 2 of 2 in cluster C

IN AUL **1005416105**
RCRA NonGen / NLR **INR000106013**
FINDS
ECHO
IN MANIFEST
IN SCP

AUL:

IC TYPE:	Environmental Restrictive Covenant
Facility Id:	14956
Program Area:	UST
Affected Media:	Ground Water; Subsurface Soil
Date Ic Recorded:	07/24/2013
Description:	Not reported
Control Method A:	Ground Water Use Restriction
Coverage A:	Entire Property
Chemicals Of Concern A:	Petroleum
Comments A:	Not reported
Control Method B:	Residential Use Restriction
Coverage B:	Entire Property
Chemicals Of Concern B:	Petroleum
Comments B:	Not reported
Control Method C:	Restricted Excavation Area
Coverage C:	Entire Property
Chemicals Of Concern C:	Petroleum
Comments C:	Shall not construct or allow the occupancy of any dwelling or work space with a sub-surface space unless there has been an assessment of soil-gas (benzene); if soil-gas levels above screening levels, use vapor barrier or active mitigation system.
Control Method D:	Not reported
Coverage D:	Not reported
Chemicals Of Concern D:	Not reported
Comments D:	Not reported
Control Method E:	Not reported
Coverage E:	Not reported
Chemicals Of Concern E:	Not reported
Comments E:	Not reported
Control Method F:	Not reported
Coverage F:	Not reported
Chemicals Of Concern F:	Not reported
Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

RCRA NonGen / NLR:

Date form received by agency:	02/20/2003
Facility name:	MILLER OIL OF INDIANA INC
Facility address:	10 FRANKLIN ST COLUMBUS, IN 47201-6747

MILLER OIL OF INDIANA INC (Continued) **1005416105**

EPA ID: INR000106013
Contact: WILLIAM MAJESKE
Contact address: 1751 W RAYMOND ST
INDIANAPOLIS, IN 46221-2025
Contact country: US
Contact telephone: 317-634-7300
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WILLIAM MAJESKE/GARY S JOHNSON
Owner/operator address: 1751 W RAYMOND ST
INDIANAPOLIS, IN 46221
Owner/operator country: Not reported
Owner/operator telephone: 317-634-7300
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MILLER OIL OF INDIANA INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/20/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: Yes

MILLER OIL OF INDIANA INC (Continued) **1005416105**

Historical Generators:
Date form received by agency: 02/19/2002
Site name: MILLER OIL OF INDIANA INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012139033

Environmental Interest/Information System
IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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

STATE MASTER

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

ECHO:
Envid: 1005416105
Registry ID: 110012139033
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012139033

IN MANIFEST:
Year: Not reported
EPA ID: INR000106013
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported

Manifest Handler:
EPA Id #: INR000106013
Generator Type: Not reported
Generator Status: Not reported
Transporter Type: Code no longer valid
Transporter Status: Non Active

MILLER OIL OF INDIANA INC (Continued) **1005416105**

TSD Type:	Not reported
TSD Status:	Not reported
Handler Mailing Address:	10 FRANKLIN ST
Handler Mailing City/State/Zip:	COLUMBUS, IN 47201-6747
Contact Name:	WILLIAM MAJESKE
Contact Telephone:	317-634-7300
Contact Type:	A

Year:	Not reported
EPA ID:	INR000106013
Tons Generated:	Not reported
Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Year:	Not reported
EPA ID:	INR000106013
Tons Generated:	Not reported
Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

SCP:

Facility Id:	3983
Facility Type:	Not reported
Indicator Name:	Not reported
Doc Number:	63752849
Date:	10/03/2011
Program:	State Cleanup
Document Type:	Monitoring
Size:	1 M

20
SSW
1/8-1/4
0.135 mi.
711 ft.

MILLER OIL OF INDIANA **IN LUST** **1000760757**
10 S FRANKLIN ST **IN UST** **N/A**
COLUMBUS, IN 47201

Relative:
Lower

Actual:
621 ft.

LUST:

Facility ID:	14956
Incident Number:	200308508
Description:	NFA-Conditional Closure
Priority:	Medium

UST:

Facility ID:	14956

MILLER OIL OF INDIANA (Continued) **1000760757**

Owner Id:	8386
Company Name:	Miller Oil Corp
Mailing Address:	10 Franklin St
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Columbus, IN 47201
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	01/01/1974
Tank Capacity:	8000
Substance Desc:	Diesel
Closed Date:	12/01/1988
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	01/01/1967
Tank Capacity:	5000
Substance Desc:	Gasoline
Closed Date:	12/01/1988
Tank Number:	3
Tank Status:	**Permanently Out of Service**
Install Date:	01/01/1967
Tank Capacity:	1000
Substance Desc:	Gasoline
Closed Date:	12/01/1988
Tank Number:	4
Tank Status:	**Unregulated (not billed)**
Install Date:	01/01/1943
Tank Capacity:	1000
Substance Desc:	Other
Closed Date:	12/01/1988

D21 **COMMONS MALL** **IN AUL** **S109408569**
WNW **332 COMMONS MALL** **IN BROWNFIELDS** **N/A**
1/8-1/4 **COLUMBUS, IN 47201**
0.139 mi.
735 ft. **Site 2 of 3 in cluster D**

Relative: **Higher**

Actual: **628 ft.**

AUL:

IC TYPE:	Environmental Restrictive Covenant
Facility Id:	4080902
Program Area:	Brownfields
Affected Media:	Subsurface Soil
Date Ic Recorded:	07/15/2009
Description:	Document number: 200800008965 Source: Website-GIS
Control Method A:	Agricultural or Food Crop
Coverage A:	Portion of Property
Chemicals Of Concern A:	PAH - Polynuclear Aromatic Hydrocarbons; TPH - Total Petroleum Hydrocarbons
Comments A:	Not reported
Control Method B:	Excavation Notice Required
Coverage B:	Portion of Property
Chemicals Of Concern B:	PAH - Polynuclear Aromatic Hydrocarbons; TPH - Total Petroleum

COMMONS MALL (Continued) **S109408569**

	Hydrocarbons
Comments B:	Not reported
Control Method C:	Not reported
Coverage C:	Not reported
Chemicals Of Concern C:	Not reported
Comments C:	Not reported
Control Method D:	Not reported
Coverage D:	Not reported
Chemicals Of Concern D:	Not reported
Comments D:	Not reported
Control Method E:	Not reported
Coverage E:	Not reported
Chemicals Of Concern E:	Not reported
Comments E:	Not reported
Control Method F:	Not reported
Coverage F:	Not reported
Chemicals Of Concern F:	Not reported
Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

IN BROWNFIELD:

Facility ID:	4080902
Project Manager:	Kyle Hendrix
AI Id:	9754
Financial Assistance:	Not reported
Other Assistance:	Site Status Letter 2/27/2009
ERC Not Required:	Yes
Land Use Restriction:	No residential, agriculture, excavation in the affected area (TPH-ERO and PAHs in soils)
Recordation Date or Letter:	7/15/2009

---

22 **FIRST CHRISTIAN CHURCH** **IN UST** **U003950732**
North **531 5TH ST** **N/A**
1/8-1/4 **COLUMBUS, IN 47201**
0.146 mi.
773 ft.

Relative:
Higher

Actual:
630 ft.

UST:

Facility ID:	1965
Owner Id:	959
Company Name:	First Christian Church
Mailing Address:	Po Box 404
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Columbus, IN 47202
Tank Number:	1

FIRST CHRISTIAN CHURCH (Continued) **U003950732**

Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	8000
Substance Desc:	Unknown
Closed Date:	05/01/1989
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	5000
Substance Desc:	Diesel
Closed Date:	12/31/1970

D23 **SEARS 2070** **RCRA-CESQG** **1012179017**
WNW **222 COMMONS MALL** **INR000126052**
1/8-1/4 **COLUMBUS, IN 47201**
0.155 mi.
818 ft. **Site 3 of 3 in cluster D**

Relative: **Lower**
Actual: **627 ft.**

RCRA-CESQG:

Date form received by agency:	02/23/2009
Facility name:	SEARS 2070
Facility address:	222 COMMONS MALL COLUMBUS, IN 47201
EPA ID:	INR000126052
Mailing address:	3333 BEVERLY RD B5 348A HOFFMAN ESTATES, IL 60179
Contact:	DAWN A JESS
Contact address:	3333 BEVERLY RD B5 348A HOFFMAN ESTATES, IL 60179
Contact country:	US
Contact telephone:	847-286-8616
Telephone ext.:	68616
Contact email:	DJESS1@SEARSHC.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	COLUMBUS COMMONS LLC
Owner/operator address:	PO BOX 1786 COLUMBUS, IN 47202

SEARS 2070 (Continued) **1012179017**

Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/15/1972
Owner/Op end date: Not reported

Owner/operator name: SEARS 2070
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/29/1973
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

SEARS 2070 (Continued) **1012179017**

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Violation Status: No violations found

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24 South 1/8-1/4 0.168 mi. 885 ft.

FORMER COLUMBUS WOOD TREATING SITE
53 LAFAYETTE AVE
COLUMBUS, IN 47201

RCRA-CESQG FINDS ECHO **1017786572 INR000138354**

Relative: Lower
Actual: 619 ft.

RCRA-CESQG:
Date form received by agency: 03/25/2015
Facility name: FORMER COLUMBUS WOOD TREATING SITE
Facility address: 53 LAFAYETTE AVE
COLUMBUS, IN 47201
EPA ID: INR000138354
Mailing address: WASHINGTON ST
COLUMBUS, IN 47201
Contact: HEATHER POPE
Contact address: WASHINGTON ST
COLUMBUS, IN 47201
Contact country: US
Contact telephone: 812-376-2547
Contact email: HPOPE@COLUMBUS.IN.GOV
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less

FORMER COLUMBUS WOOD TREATING SITE (Continued) **1017786572**

of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	COLUMBUS REDEVELOPMENT COMMISSION
Owner/operator address:	WASHINGTON ST COLUMBUS, IN 47201
Owner/operator country:	US
Owner/operator telephone:	812-376-2547
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	04/19/2012
Owner/Op end date:	Not reported

Owner/operator name:	COLUMBUS REDEVELOPMENT COMMISSION
Owner/operator address:	WASHINGTON ST COLUMBUS, IN 47201
Owner/operator country:	US
Owner/operator telephone:	812-376-2547
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	04/19/2012
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D037
. Waste name:	PENTRACHLOROPHENOL

. Waste code:	F032

FORMER COLUMBUS WOOD TREATING SITE (Continued) **1017786572**

. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

. Waste code: F034
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Violation Status: No violations found

FINDS:

Registry ID: 110064018959

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

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

ECHO:
Envid: 1017786572
Registry ID: 110064018959
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110064018959

F25
NW
1/8-1/4
0.168 mi.
889 ft.

MARR PROPERTIES
5TH & WASHINGTON ST
COLUMBUS, IN 47201

Site 1 of 3 in cluster F

RCRA-CESQG
IN MANIFEST

1007570158
INR000112581

Relative:
Higher

Actual:
629 ft.

RCRA-CESQG:

Date form received by agency:	09/24/2004
Facility name:	MARR PROPERTIES
Facility address:	5TH & WASHINGTON ST COLUMBUS, IN 47201
EPA ID:	INR000112581
Mailing address:	5005 N MARR RD COLUMBUS, IN 47203
Contact:	JAMES C EULER
Contact address:	5005 N MARR RD COLUMBUS, IN 47203
Contact country:	US
Contact telephone:	812-379-9547
Contact email:	JEULER@TBCCI.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	MARR PROPERTIES
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1950
Owner/Op end date:	Not reported

Owner/operator name:	MARR PROPERTIES
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported

MARR PROPERTIES (Continued) **1007570158**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1950
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

IN MANIFEST:
Year: Not reported
EPA ID: INR000112581
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported

Manifest Handler:
EPA Id #: INR000112581
Generator Type: CEG
Generator Status: Active Handler
Transporter Type: Code no longer valid
Transporter Status: Non Active
TSD Type: Not reported
TSD Status: Not reported
Handler Mailing Address: 5005 N MARR RD
Handler Mailing City/State/Zip: COLUMBUS, IN 47203
Contact Name: JAMES C EULER
Contact Telephone: 812-379-9547
Contact Type: Environmental Coordinator

Year: Not reported
EPA ID: INR000112581
Tons Generated: Not reported

MARR PROPERTIES (Continued) **1007570158**

Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported
Year:	Not reported
EPA ID:	INR000112581
Tons Generated:	Not reported
Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

E26 **PREMIER AGRICULTURAL COOPERATIVE INCORPORATED** **IN UST** **U004002347**
ESE **801 2ND ST** **N/A**
1/8-1/4 **COLUMBUS, IN 47201**
0.170 mi.
898 ft. **Site 3 of 3 in cluster E**

Relative: UST:
Lower

Actual:
621 ft.

Facility ID:	1848
Owner Id:	1538
Company Name:	Premier Ag Coop Incorporated
Mailing Address:	103 Community Dr P O Box 304
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Seymour, IN 47274
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	550
Substance Desc:	Gasoline
Closed Date:	12/01/1988
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	550
Substance Desc:	Gasoline
Closed Date:	12/01/1988

F27 **CUMMINS INCORPORATED IRWIN OFFICE BUILDING** **RCRA-CESQG** **1016148293**
NNW **525 JACKSON ST** **FINDS** **INR000135673**
1/8-1/4 **COLUMBUS, IN 47202** **ECHO**
0.184 mi.
974 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
629 ft.

RCRA-CESQG:

Date form received by agency:	05/14/2014
Facility name:	CUMMINS INCORPORATED IRWIN OFFICE BUILDING
Facility address:	525 JACKSON ST COLUMBUS, IN 47202
EPA ID:	INR000135673
Mailing address:	PO BOX 3005 MC 60208 COLUMBUS, IN 47202-3005
Contact:	KYLE KERBER
Contact address:	PO BOX 3005 MC 60208 COLUMBUS, IN 47202-3005
Contact country:	US
Contact telephone:	812-374-6636
Contact email:	KYLE.E.KERBER@CUMMINS.COM
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	CUMMINS INCORPORATED
Owner/operator address:	PO BOX 3005 COLUMBUS, IN 47202
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/31/2010
Owner/Op end date:	Not reported

Owner/operator name:	CUMMINS INCORPORATED
Owner/operator address:	PO BOX 3005 COLUMBUS, IN 47202
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

CUMMINS INCORPORATED IRWIN OFFICE BUILDING (Continued) **1016148293**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/31/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 06/26/2013
Site name: CUMMINS INCORPORATED IRWIN OFFICE BUILDING
Classification: Small Quantity Generator

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110055421244

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

Registry ID: 110058811291

Environmental Interest/Information System
STATE MASTER

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

CUMMINS INCORPORATED IRWIN OFFICE BUILDING (Continued) **1016148293**

ECHO:
Envid: 1016148293
Registry ID: 110055421244
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110055421244

28
East
1/8-1/4
0.193 mi.
1020 ft.

PAPA'S DELI **US BROWNFIELDS** **1024247261**
819 3RD STREET **N/A**
COLUMBUS, IN 47201

Relative:
Lower

Actual:
624 ft.

US BROWNFIELDS:

Property Name:	PAPA'S DELI
Recipient Name:	City of Columbus
Grant Type:	Assessment
Property Number:	03-95-24-440-006.400-005; 03-95-25-110-000.700-005
Parcel size:	1.39
Latitude:	39.2009301
Longitude:	-85.91482489999999
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	235682
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	29650
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E01534
Start Date:	02/01/2018 00:00:00
Ownership Entity:	Private
Completion Date:	03/22/2018 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported

PAPA'S DELI (Continued) **1024247261**

IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	1.39
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.39
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported

PAPA'S DELI (Continued) **1024247261**

No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Y
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Former railroad depot and bulk petroleum plant
Below Poverty Number:	297
Below Poverty Percent:	17.1%
Meidan Income:	1479
Meidan Income Number:	696
Meidan Income Percent:	40.0%
Vacant Housing Number:	193
Vacant Housing Percent:	21.2%
Unemployed Number:	45
Unemployed Percent:	2.6%

Property Name:	PAPA'S DELI
Recipient Name:	City of Columbus
Grant Type:	Assessment
Property Number:	03-95-24-440-006.400-005; 03-95-25-110-000.700-005
Parcel size:	1.39
Latitude:	39.2009301
Longitude:	-85.91482489999999
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	235682
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	3500
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement

PAPA'S DELI (Continued) **1024247261**

Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	00E01534
Start Date:	11/13/2017 00:00:00
Ownership Entity:	Private
Completion Date:	12/07/2017 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported

PAPA'S DELI (Continued) **1024247261**

Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	1.39
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.39
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Y
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Former railroad depot and bulk petroleum plant
Below Poverty Number:	297
Below Poverty Percent:	17.1%
Meidan Income:	1479
Meidan Income Number:	696
Meidan Income Percent:	40.0%
Vacant Housing Number:	193
Vacant Housing Percent:	21.2%
Unemployed Number:	45
Unemployed Percent:	2.6%

PAPA'S DELI (Continued) **1024247261**

Property Name:	PAPA'S DELI
Recipient Name:	City of Columbus
Grant Type:	Assessment
Property Number:	03-95-24-440-006.400-005; 03-95-25-110-000.700-005
Parcel size:	1.39
Latitude:	39.2009301
Longitude:	-85.91482489999999
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	235682
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	29850
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Petroleum
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	00E01534
Start Date:	03/30/2018 00:00:00
Ownership Entity:	Private
Completion Date:	Not reported
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	U
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	Not reported
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported

PAPA'S DELI (Continued) **1024247261**

Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Y
Other cleaned up:	Not reported
Other metals found:	Y
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Y
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Y
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Y
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	1.39
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	1.39
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Y
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported

PAPA'S DELI (Continued) **1024247261**

No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Former railroad depot and bulk petroleum plant
Below Poverty Number:	297
Below Poverty Percent:	17.1%
Meidan Income:	1479
Meidan Income Number:	696
Meidan Income Percent:	40.0%
Vacant Housing Number:	193
Vacant Housing Percent:	21.2%
Unemployed Number:	45
Unemployed Percent:	2.6%

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29 **E. COHN CO.** **IN SWRCY** **S121116734**
NE **715 5TH ST** **N/A**
1/8-1/4 **COLUMBUS, IN 47201**
0.195 mi.
1027 ft.

Relative: **Higher**

Actual: **630 ft.**

SWRCY:

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	706 322-6567
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported

E. COHN CO. (Continued) **S121116734**

Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported
Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	,Metals
Hours of Operation:	7-4:30, M-F
Hazardous Waste:	Not reported
E Scrap:	Not reported
Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported

E. COHN CO. (Continued) **S121116734**

Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

F30 **NEAL PAINT & WALLPAPER STORE** **RCRA-CESQG** **1004700967**
NNW **523 WASHINGTON ST** **FINDS** **INR000103085**
1/8-1/4 **COLUMBUS, IN 47201** **ECHO**
0.203 mi. **IN MANIFEST**
1072 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
630 ft.

RCRA-CESQG:

Date form received by agency:	04/11/2002
Facility name:	NEAL PAINT & WALLPAPER STORE
Facility address:	523 WASHINGTON ST COLUMBUS, IN 47201
EPA ID:	INR000103085
Contact:	ERIC FRITZ
Contact address:	523 WASHINGTON ST COLUMBUS, IN 47201
Contact country:	US
Contact telephone:	812-376-6654
Contact email:	Not reported
EPA Region:	05
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	W&E INC

NEAL PAINT & WALLPAPER STORE (Continued) **1004700967**

Owner/operator address: 523 WASHINGTON ST
COLUMBUS, IN 47201
Owner/operator country: Not reported
Owner/operator telephone: 812-376-6654
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS

NEAL PAINT & WALLPAPER STORE (Continued) **1004700967**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:
Date form received by agency: 05/22/2001
Site name: NEAL PAINT & WALLPAPER STORE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110006544739

Environmental Interest/Information System
IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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

STATE MASTER

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

ECHO:
Envid: 1004700967
Registry ID: 110006544739
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006544739

IN MANIFEST:
Year: Not reported
EPA ID: INR000103085
Tons Generated: Not reported
Tons Shipped OffSite: Not reported
Report Type: Not reported
Page No: Not reported
Waste Desc: Not reported
UOM: Not reported
TSDF EPAID: Not reported
Management code: Not reported
Management Desc: Not reported

NEAL PAINT & WALLPAPER STORE (Continued) **1004700967**

Manifest Handler:

EPA Id #:	INR000103085
Generator Type:	CEG
Generator Status:	Active Handler
Transporter Type:	Code no longer valid
Transporter Status:	Non Active
TSD Type:	Not reported
TSD Status:	Not reported
Handler Mailing Address:	523 WASHINGTON ST
Handler Mailing City/State/Zip:	COLUMBUS, IN 47201
Contact Name:	ERIC FRITZ
Contact Telephone:	812-376-6654
Contact Type:	Environmental Coordinator

Receiver Records:

Report Year:	2006.00000
TSD EPA Id:	IND005081542
Page Number:	73.00000
Sub Page:	4.00000
Generator EPA ID:	INR000103085
Waste Description:	SQG02843 CP1335: WASTE PAINT AND AUTO BODY SOLVENT BLEND
Quantity of Waste:	1315
Quantity Rec Report Yrly Tons:	0.6575
Unit of Measure:	1

Year:	Not reported
EPA ID:	INR000103085
Tons Generated:	Not reported
Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Year:	Not reported
EPA ID:	INR000103085
Tons Generated:	Not reported
Tons Shipped OffSite:	Not reported
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

31
ESE
1/8-1/4
0.231 mi.
1221 ft.

TOMS FOOD & FUEL
867 E 2ND ST
COLUMBUS, IN 47201

IN UST **U003142154**
N/A

Relative:
Lower

Actual:
619 ft.

UST:

Facility ID:	18438
Owner Id:	47419
Company Name:	Patel 867 Realty LLC
Mailing Address:	1447 E Main St Ste A
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Brownsburg, IN 46112
Tank Number:	1
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	20000
Substance Desc:	Gasoline
Closed Date:	Not reported
Tank Number:	10
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	20000
Substance Desc:	Diesel
Closed Date:	Not reported
Tank Number:	2
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	10000
Substance Desc:	Diesel
Closed Date:	Not reported
Tank Number:	3
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	6000
Substance Desc:	Kerosene
Closed Date:	Not reported
Tank Number:	4
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	20000
Substance Desc:	Gasoline
Closed Date:	Not reported
Tank Number:	5
Tank Status:	**Currently in use**
Install Date:	08/13/1992
Tank Capacity:	20000
Substance Desc:	Gasoline

TOMS FOOD & FUEL (Continued) **U003142154**

Closed Date: Not reported

Tank Number: 6
Tank Status: **Currently in use**
Install Date: 08/13/1992
Tank Capacity: 20000
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 7
Tank Status: **Currently in use**
Install Date: 08/13/1992
Tank Capacity: 20000
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 8
Tank Status: **Currently in use**
Install Date: 08/13/1992
Tank Capacity: 20000
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 9
Tank Status: **Currently in use**
Install Date: 08/13/1992
Tank Capacity: 20000
Substance Desc: Diesel
Closed Date: Not reported

G32 **JACKS PLACE 2** **IN LUST** **U001077191**
ENE **910 3RD ST** **IN UST** **N/A**
1/8-1/4 **COLUMBUS, IN 47201**
0.237 mi.
1249 ft. **Site 1 of 4 in cluster G**

Relative:
Lower

Actual:
625 ft.

LUST:
Facility ID: 3301
Incident Number: 199903541
Description: NFA-Unconditional Closure
Priority: Medium

UST:
Facility ID: 3301
Owner Id: 47444
Company Name: Jacks Place Two Incorporated
Mailing Address: 6640 Silverthorne Way
Mailing Address 2: Not reported
Mailing City,St,Zip: Indianpolis, IN 46259

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971

JACKS PLACE 2 (Continued) **U001077191**

Tank Capacity: 3000
Substance Desc: Kerosene
Closed Date: 12/30/1998

Tank Number: 10
Tank Status: **Currently in use**
Install Date: 01/13/1999
Tank Capacity: 4000
Substance Desc: Kerosene
Closed Date: Not reported

Tank Number: 2
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971
Tank Capacity: 8000
Substance Desc: Gasoline
Closed Date: 12/30/1998

Tank Number: 3
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971
Tank Capacity: 8000
Substance Desc: Gasoline
Closed Date: 12/30/1998

Tank Number: 4
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971
Tank Capacity: 3000
Substance Desc: Gasoline
Closed Date: 12/30/1998

Tank Number: 5
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971
Tank Capacity: 3000
Substance Desc: Diesel
Closed Date: 12/30/1998

Tank Number: 6
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1971
Tank Capacity: 10000
Substance Desc: Diesel
Closed Date: 12/30/1998

Tank Number: 7
Tank Status: **Currently in use**
Install Date: 01/13/1999
Tank Capacity: 15000

JACKS PLACE 2 (Continued) **U001077191**

Substance Desc: Gasoline
Closed Date: Not reported

Tank Number: 8
Tank Status: **Currently in use**
Install Date: 01/13/1999
Tank Capacity: 8000
Substance Desc: Gasoline
Closed Date: Not reported

Tank Number: 9
Tank Status: **Currently in use**
Install Date: 01/13/1999
Tank Capacity: 8000
Substance Desc: Gasoline
Closed Date: Not reported

G33 **BARTHOLOMEW COUNTY FARM BUREAU** **IN LUST** **S106350902**
East **901 THIRD ST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.250 mi.
1322 ft. **Site 2 of 4 in cluster G**

Relative: **Higher**
Actual: **628 ft.**

LUST:
Facility ID: 22650
Incident Number: 199606517
Description: Deactivated (no release confirmed)
Priority: Medium

G34 **NATIONAL CAR RENTAL** **IN LUST** **U001321780**
East **924 3RD ST** **IN UST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.252 mi.
1329 ft. **Site 3 of 4 in cluster G**

Relative: **Lower**
Actual: **625 ft.**

LUST:
Facility ID: 7958
Incident Number: 199003560
Description: NFA-Unconditional Closure
Priority: Low

UST:
Facility ID: 7958
Owner Id: 2553
Company Name: A E J Corp
Mailing Address: 326 California St
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 47201

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 3000
Substance Desc: Gasoline

NATIONAL CAR RENTAL (Continued) **U001321780**

Closed Date: 03/27/1990

Tank Number: 2
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 3000
Substance Desc: Gasoline
Closed Date: 03/27/1990

Tank Number: 3
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 3000
Substance Desc: Gasoline
Closed Date: 03/27/1990

Tank Number: 4
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 3000
Substance Desc: Gasoline
Closed Date: 03/27/1990

Tank Number: 5
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 550
Substance Desc: Used Oil
Closed Date: 03/27/1990

35
NW
1/4-1/2
0.253 mi.
1334 ft.

CUMMINS INCORPORATED **IN LUST** **U004276287**
500 JACKSON ST **IN UST** **N/A**
COLUMBUS, IN 47201

Relative:
Lower

Actual:
626 ft.

LUST:
Facility ID: 25601
Incident Number: 201712507
Description: NFA-Unconditional Closure
Priority: Unknown

UST:
Facility ID: 25601
Owner Id: 956
Company Name: Cummins Incorporated
Mailing Address: PO Box 3005 M/C 60113
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 472023005

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: 01/01/1984

CUMMINS INCORPORATED (Continued) **U004276287**

Tank Capacity: 25000
Substance Desc: Diesel
Closed Date: 01/10/2018

36
SW
1/4-1/2
0.255 mi.
1348 ft.

GRIFFIN INDUSTRIES, INC.
345 WATER STREET, P.O. BOX 301
COLUMBUS, IN 47201

IN SWRCY **S116766210**
N/A

Relative:
Lower

Actual:
612 ft.

SWRCY:

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	(812) 379-5531
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

G37
ENE
1/4-1/2
0.276 mi.
1455 ft.

ARTS CLEANERS INC
326 CALIFORNIA ST
COLUMBUS, IN 47201

Site 4 of 4 in cluster G

RCRA-SQG **1000463917**
FINDS **IND016238586**
ECHO
IN IND WASTE
IN MANIFEST
RI MANIFEST
IN SCP

Relative:
Lower

Actual:
625 ft.

RCRA-SQG:
Date form received by agency: 03/03/2017

ARTS CLEANERS INC (Continued) **1000463917**

Facility name:	EASYJACKS INC DBA ARTS CLEANERS
Facility address:	326 CALIFORNIA ST COLUMBUS, IN 47201
EPA ID:	IND016238586
Mailing address:	CALIFORNIA ST COLUMBUS, IN 47201
Contact:	BRIAN KLEM
Contact address:	CALIFORNIA ST COLUMBUS, IN 47201
Contact country:	US
Contact telephone:	812-372-2522
Contact email:	ARTSCLEANERS@SBCGLOBAL.NET
EPA Region:	05
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BRIAN KLEM
Owner/operator address:	326 CALIFORNIA ST COLUMBUS, IN 47201
Owner/operator country:	US
Owner/operator telephone:	812-372-2522
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/30/2005
Owner/Op end date:	Not reported

Owner/operator name:	BRIAN KLEM
Owner/operator address:	326 CALIFORNIA ST COLUMBUS, IN 47201
Owner/operator country:	US
Owner/operator telephone:	812-372-2522
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	04/30/2005
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

ARTS CLEANERS INC (Continued) **1000463917**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Historical Generators:
Date form received by agency: 02/18/2016
Site name: EASYJACKS INC DBA ARTS CLEANERS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 03/02/2015
Site name: EASYJACKS INC DBA ARTS CLEANERS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Date form received by agency: 05/08/2006
Site name: EASYJACKS INC DBA ARTS CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 12/09/1992
Site name: ARTS CLEANERS INC
Classification: Small Quantity Generator

Date form received by agency: 08/22/1986
Site name: ARTS CLEANERS INC
Classification: Small Quantity Generator

ARTS CLEANERS INC (Continued) **1000463917**

. Waste code: D000
. Waste name: Not Defined

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 08/26/2009
Date achieved compliance: 09/08/2009
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/08/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/24/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/26/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/08/2009
Evaluation lead agency: State

Evaluation date: 09/13/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110003075261

Environmental Interest/Information System
IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA

ARTS CLEANERS INC (Continued) **1000463917**

program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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

STATE MASTER

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

ECHO:

Envid:	1000463917
Registry ID:	110003075261
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110003075261

IND WASTE:

Regulatory:	IND016238586
Program:	HW
Reference:	Access Point
Date Data Collect:	Not reported
Object ID:	222803

IN MANIFEST:

Year:	2016
EPA ID:	IND016238586
Tons Generated:	0.25
Tons Shipped OffSite:	Not reported
Report Type:	Annual
Page No:	1
Waste Desc:	UN2810 WASTE TOXIC LIQUID, ORGANIC N.O.S. (TETRACHLOROETHYLENE, TRICHLOROETHYLENE) 6.1 PGIII RQ (F002)
UOM:	Short Tons
TSDF EPAID:	TXD055141378
Management code:	47201
Management Desc:	Not reported

Manifest Handler:

EPA Id #:	IND016238586
Generator Type:	SQG
Generator Status:	Active Handler
Transporter Type:	Code no longer valid
Transporter Status:	Non Active
TSD Type:	Not reported
TSD Status:	Not reported
Handler Mailing Address:	326 CALIFORNIA ST
Handler Mailing City/State/Zip:	COLUMBUS, IN 47201
Contact Name:	BRIAN KLEM
Contact Telephone:	812-372-2522
Contact Type:	Environmental Coordinator

ARTS CLEANERS INC (Continued) **1000463917**

Shipment Records:

Generator EPA Id:	IND016238586
Actual Generator Type:	2
Waste Description Shipped:	TETRACHLOROETHYLENE & FILTERS
Shipped File Page Number:	1
Number Of TSD Facilities:	1
Waste Codes on Page Number:	2
Waste Code:	D040
Tons Of Waste Shipped Year:	0.18075
TSD Facility EPA ID:	OHD980587364
TSD Name:	SAFETY KLEEN SYSTEMS INC

Generator EPA Id:	IND016238586
Actual Generator Type:	2
Waste Description Shipped:	TETRACHLOROETHYLENE & FILTERS
Shipped File Page Number:	1
Number Of TSD Facilities:	1
Waste Codes on Page Number:	1
Waste Code:	D039
Tons Of Waste Shipped Year:	0.18075
TSD Facility EPA ID:	OHD980587364
TSD Name:	SAFETY KLEEN SYSTEMS INC

Transporter Records:

Report Year:	2006
Generator EPA ID:	IND016238586
Page Number of Report:	1
TSD EPA Id:	TXR000050930
Num Of Tranporters Used:	1

Submitted Records:

EPA Id:	IND016238586
Report Type:	Annual report
Contact Name:	BRIAN KLEM
Phone:	812-372-2522
Contact Address:	326 CALIFORNIA ST
Contact Address2:	Not reported
Contact City/State/Zip:	COLUMBUS, IN 47201

Waste Report:

EPA Id:	IND016238586
Report Type:	Annual report
Page #:	1
Amount Generated:	0
Generated Unit Of Measure:	Not reported
Amount Shipped:	4290
Shipped Unit Of Measure:	pounds
TSD Id:	OHD980587364
TSD Name:	SAFETY KLEEN SYSTEMS INC
System Type:	H020
Source Code:	Not reported
Form Code:	Not reported
Description:	WASTE TOXIC LIQUID, ORGANIC, NOS, TETRACHLOROETHYLENE

ARTS CLEANERS INC (Continued) **1000463917**

Year:	2014
EPA ID:	IND016238586
Tons Generated:	0.00
Tons Shipped OffSite:	0.70
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Year:	2014
EPA ID:	IND016238586
Tons Generated:	0.00
Tons Shipped OffSite:	0.35
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Year:	2013
EPA ID:	IND016238586
Tons Generated:	0.00
Tons Shipped OffSite:	0.96
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Year:	2012
EPA ID:	IND016238586
Tons Generated:	0.00
Tons Shipped OffSite:	0.71
Report Type:	Not reported
Page No:	Not reported
Waste Desc:	Not reported
UOM:	Not reported
TSDF EPAID:	Not reported
Management code:	Not reported
Management Desc:	Not reported

Click this hyperlink while viewing on your computer to access
10 additional IN MANIFEST: record(s) in the EDR Site Report.

RI MANIFEST:

EPA Id:	IND016238586
GEN Cert Date:	2/17/2011
Manifest Document Number:	002660785SKS
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
TSDF Id:	RID084802842

ARTS CLEANERS INC (Continued) **1000463917**

TSDF Name:	SAFETY KLEEN
Qty:	372
WT/Vol Units:	P
TSDF Date:	2/25/2011
Transporter 2 Id:	NJD071629976
Item Number:	1
Transporter 2 Name:	2/25/2011
Transporter Name 2:	SAFETY KLEEN
Transporter EPAID:	TXR000050930
Transporter Receipt Date:	2/17/2011
Number Of Containers:	3
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Fee Exempt Code:	Not reported
Comment:	Not reported
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
Quarter:	Not reported
Transporter Contact Name:	Not reported
Transporter Contact Email:	Not reported
Filing Date:	Not reported
Total Fee:	Not reported
Billing Name:	Not reported
Paid Date:	Not reported
Paid Time:	Not reported
Facility Receipt Date:	Not reported
Fee:	Not reported
Manifest Created Date:	Not reported
Manifest Updated Date:	Not reported

RI MANIFEST:

Transporter Receipt Date:	8/4/2011
Number Of Containers:	6
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	002865145SKS
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported

ARTS CLEANERS INC (Continued) **1000463917**

Quantity:	744
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN
Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/4/2011
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	8/19/2011
Manifest Created Date:	Not reported
TSDF Receipt Date:	8/19/2011
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported
Transporter Receipt Date:	8/4/2011
Number Of Containers:	6
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	002865145SKS
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported
Quantity:	744
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN
Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	8/4/2011
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	8/19/2011
Manifest Created Date:	Not reported

ARTS CLEANERS INC (Continued) **1000463917**

TSDF Receipt Date:	8/19/2011
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported
Transporter Receipt Date:	2/17/2011
Number Of Containers:	3
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	002660785SKS
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported
Quantity:	372
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN
Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	2/17/2011
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	2/25/2011
Manifest Created Date:	Not reported
TSDF Receipt Date:	2/25/2011
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported
Transporter Receipt Date:	2/17/2011
Number Of Containers:	3
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN

ARTS CLEANERS INC (Continued) **1000463917**

TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	002660785SKS
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported
Quantity:	372
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN
Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	2/17/2011
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	2/25/2011
Manifest Created Date:	Not reported
TSDF Receipt Date:	2/25/2011
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported
Transporter Receipt Date:	11/16/2010
Number Of Containers:	6
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	003878758FLE
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported
Quantity:	820
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN

ARTS CLEANERS INC (Continued) **1000463917**

Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	11/16/2010
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	12/3/2010
Manifest Created Date:	Not reported
TSDF Receipt Date:	12/3/2010
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported
Transporter Receipt Date:	11/16/2010
Number Of Containers:	6
Container Type:	DF
Waste Code1:	D007
Waste Code2:	D029
Waste Code3:	D039
Waste Code4:	Not reported
Waste Code5:	Not reported
Waste Code6:	Not reported
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF Id:	RID084802842
Transporter Name 2:	SJ TRANSPORTATION CO INC
Company Permit Number:	Not reported
Year:	Not reported
EPA ID:	IND016238586
Manifest Docket Number:	003878758FLE
Quarter:	Not reported
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Transporter Contact Name:	Not reported
Quantity:	820
Transporter Contact Email:	Not reported
WT/Vol Units:	P
Filing Date:	Not reported
Total Fee:	Not reported
Item Number:	1
Transporter Name:	SAFETY KLEEN
Billing Name:	Not reported
Transporter EPA ID:	TXR000050930
Date Paid:	Not reported
Time Paid:	Not reported
GEN Cert Date:	11/16/2010
Facility Receipt Date:	Not reported
Fee:	Not reported
Transporter 2 Receipt Date:	12/3/2010
Manifest Created Date:	Not reported
TSDF Receipt Date:	12/3/2010
Transporter 2 ID:	NJD071629976
Manifest Updated Date:	Not reported

SCP:
Facility Id: 853

ARTS CLEANERS INC (Continued) **1000463917**

Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 80336209
Date: 07/06/2016
Program: State Cleanup
Document Type: Site Characterization
Size: 106 K

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 80299721
Date: 05/26/2016
Program: State Cleanup
Document Type: Site Characterization
Size: 3 M

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 80079261
Date: 08/06/2014
Program: State Cleanup
Document Type: Enforcement
Size: 21 K

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 80059382
Date: 01/16/2015
Program: State Cleanup
Document Type: Site Characterization
Size: 5 M

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 80015336
Date: 02/03/2015
Program: State Cleanup
Document Type: Site Characterization
Size: 2 M

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 70484908
Date: 10/14/2014
Program: State Cleanup
Document Type: Enforcement
Size: 958 K

Facility Id: 853
Facility Type: Not reported
Indicator Name: Not reported
Doc Number: 70279202

ARTS CLEANERS INC (Continued) **1000463917**

Date: 08/04/2014
Program: State Cleanup
Document Type: Enforcement
Size: 81 K

38
ENE
1/4-1/2
0.323 mi.
1705 ft.

CUMMINS ENGINE PLANT
1000 5TH ST
COLUMBUS, IN 47201

IN LUST **1000300152**
IN UST **N/A**
IN SPILLS

Relative:
Lower

Actual:
627 ft.

LUST:

Facility ID: 11666
Incident Number: 199008548
Description: NFA-Unconditional Closure
Priority: Medium

Facility ID: 11666
Incident Number: 198910067
Description: NFA-Unconditional Closure
Priority: Low

Facility ID: 11666
Incident Number: 198904019
Description: NFA-Unconditional Closure
Priority: Medium

Facility ID: 11666
Incident Number: 199501536
Description: NFA-Unconditional Closure
Priority: Medium

Facility ID: 11666
Incident Number: 199607525
Description: NFA-Unconditional Closure
Priority: Low

Facility ID: 11666
Incident Number: 199609507
Description: NFA-Unconditional Closure
Priority: Low

UST:

Facility ID: 11666
Owner Id: 956
Company Name: Cummins Incorporated
Mailing Address: PO Box 3005 M/C 60113
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 472023005

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 12/15/1994

CUMMINS ENGINE PLANT (Continued) **1000300152**

Tank Number: 10
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1960
Tank Capacity: 20000
Substance Desc: Diesel
Closed Date: 11/29/1990

Tank Number: 11
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 06/15/1994

Tank Number: 12
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 8000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 13
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 8000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 14
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 15
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 16
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 17

CUMMINS ENGINE PLANT (Continued) **1000300152**

Tank Status:	**Permanently Out of Service**
Install Date:	06/01/1972
Tank Capacity:	6000
Substance Desc:	Used Oil
Closed Date:	12/15/1994
Tank Number:	18
Tank Status:	**Permanently Out of Service**
Install Date:	06/01/1972
Tank Capacity:	8000
Substance Desc:	Other
Closed Date:	12/15/1994
Tank Number:	19
Tank Status:	**Permanently Out of Service**
Install Date:	06/01/1972
Tank Capacity:	8000
Substance Desc:	Other
Closed Date:	12/15/1994
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	06/01/1972
Tank Capacity:	6000
Substance Desc:	Other
Closed Date:	12/15/1994
Tank Number:	20
Tank Status:	**Currently in use**
Install Date:	08/15/1991
Tank Capacity:	10500
Substance Desc:	Other
Closed Date:	Not reported
Tank Number:	21
Tank Status:	**Currently in use**
Install Date:	10/15/1991
Tank Capacity:	5000
Substance Desc:	Other
Closed Date:	Not reported
Tank Number:	22
Tank Status:	**Currently in use**
Install Date:	10/15/1991
Tank Capacity:	15800
Substance Desc:	Diesel
Closed Date:	Not reported
Tank Number:	23
Tank Status:	**Currently in use**

CUMMINS ENGINE PLANT (Continued) **1000300152**

Install Date: 10/15/1991
Tank Capacity: 40000
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 24
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 9600
Substance Desc: Other
Closed Date: Not reported

Tank Number: 25
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 6100
Substance Desc: Other
Closed Date: Not reported

Tank Number: 26
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 15800
Substance Desc: Other
Closed Date: Not reported

Tank Number: 27
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 15900
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 28
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 8000
Substance Desc: Other
Closed Date: Not reported

Tank Number: 29
Tank Status: **Currently in use**
Install Date: 10/15/1991
Tank Capacity: 8000
Substance Desc: Other
Closed Date: Not reported

Tank Number: 3
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972

CUMMINS ENGINE PLANT (Continued) **1000300152**

Tank Capacity: 10000
Substance Desc: Used Oil
Closed Date: 11/29/1990

Tank Number: 30
Tank Status: **Currently in use**
Install Date: 08/15/1991
Tank Capacity: 8000
Substance Desc: Diesel
Closed Date: Not reported

Tank Number: 31
Tank Status: **Currently in use**
Install Date: 08/15/1991
Tank Capacity: 8000
Substance Desc: Other
Closed Date: Not reported

Tank Number: 4
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1963
Tank Capacity: 2000
Substance Desc: Gasoline
Closed Date: 05/20/1996

Tank Number: 5
Tank Status: **Permanently Out of Service**
Install Date: 04/01/1959
Tank Capacity: 10000
Substance Desc: Diesel
Closed Date: 01/29/1990

Tank Number: 6
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 8000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 7
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1972
Tank Capacity: 6000
Substance Desc: Other
Closed Date: 12/15/1994

Tank Number: 8
Tank Status: **Permanently Out of Service**
Install Date: 06/01/1960
Tank Capacity: 10000

CUMMINS ENGINE PLANT (Continued) **1000300152**

Substance Desc: Other
Closed Date: 11/29/1990

Tank Number: 9
Tank Status: Permanently Out of Service
Install Date: 06/01/1960
Tank Capacity: 5000
Substance Desc: Other
Closed Date: 11/29/1990

SPILL:
Facility ID: 199012031
Incident Date: 12/06/1990
Report Date: 12/07/1990
Material: Fuel Oils And Waste Oils
Spill Source: Industrial
Recovered Amount: G
Recovered Units: 0
Spilled Amount: 0
Spilled Units: G
Contained: Y
Water Affected: Ground
Spill Type: Spill
Area Affected: Undetermined
Fish Killed: 0
Water Supply Affected: Not reported
Public Intake: N
Incident Status: Not reported

39
NNE
1/4-1/2
0.362 mi.
1912 ft.

ST BARTHOLOMEWS **IN BROWNFIELDS** **S118360032**
725-745 SYCAMORE **N/A**
COLUMBUS, IN 47201

Relative: Higher
Actual: 631 ft.

IN BROWNFIELD:
Facility ID: 4151010
Project Manager: Andrea Robertson-Habeck
AI Id: 111035
Financial Assistance: Not reported
Other Assistance: Brownfield Determination Letter 11/4/2016; Brownfield Determination Letter 10/26/2015
ERC Not Required: NR
Land Use Restriction: Not reported
Recordation Date or Letter: Not reported

H40 **CARL L WILLIAMS** **IN LUST** **U000192591**
NNW **333 8TH ST** **IN UST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.376 mi.
1986 ft. **Site 1 of 3 in cluster H**

Relative: **Lower**
Actual: **626 ft.**

LUST:
Facility ID: 13794
Incident Number: 201102508
Description: NFA-Unconditional Closure
Priority: Medium

UST:
Facility ID: 13794
Owner Id: 894
Company Name: Carl L Williams
Mailing Address: 333 8th St
Mailing Address 2: Not reported
Mailing City,St,Zip: Columbus, IN 47201

Tank Number: 1
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 4000
Substance Desc: Unknown
Closed Date: Not reported

Tank Number: 2
Tank Status: **Permanently Out of Service**
Install Date: Not reported
Tank Capacity: 4000
Substance Desc: Unknown
Closed Date: Not reported

H41 **VACANT LOT** **IN LUST** **1000940274**
NNW **8TH & WASHINGTON ST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.383 mi.
2021 ft. **Site 2 of 3 in cluster H**

Relative: **Lower**
Actual: **627 ft.**

LUST:
Facility ID: 18994
Incident Number: 199406527
Description: NFA-Unconditional Closure
Priority: Low

H42 **A & H SERVICE** **IN LUST** **1000754521**
NNW **803 WASHINGTON ST** **IN UST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.396 mi.
2093 ft. **Site 3 of 3 in cluster H**

Relative: **Lower**
Actual: **627 ft.**

LUST:
Facility ID: 3139
Incident Number: 199903535
Description: NFA-Unconditional Closure
Priority: Low

A & H SERVICE (Continued) **1000754521**

UST:

Facility ID:	3139
Owner Id:	961
Company Name:	Harold Campbell
Mailing Address:	803 W Washington
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Columbus, IN 47201
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	6000
Substance Desc:	Gasoline
Closed Date:	03/12/1999
Tank Number:	2
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	6000
Substance Desc:	Gasoline
Closed Date:	03/12/1999
Tank Number:	3
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	6000
Substance Desc:	Gasoline
Closed Date:	03/12/1999
Tank Number:	4
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	6000
Substance Desc:	Gasoline
Closed Date:	03/12/1999
Tank Number:	5
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	550
Substance Desc:	Used Oil
Closed Date:	03/12/1999
Tank Number:	6
Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	2000
Substance Desc:	Gasoline
Closed Date:	03/12/1999
Tank Number:	7

A & H SERVICE (Continued) **1000754521**

Tank Status:	**Permanently Out of Service**
Install Date:	Not reported
Tank Capacity:	2000
Substance Desc:	Gasoline
Closed Date:	03/12/1999

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43 **FIRST UNITED METHODIST CHURCH** **IN SWRCY** **S121116813**
North **618 8TH ST** **N/A**
1/4-1/2 **COLUMBUS, IN 47201**
0.404 mi.
2132 ft.

Relative:
Higher

Actual:
630 ft.

SWRCY:

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	(317) 631-2838
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported

FIRST UNITED METHODIST CHURCH (Continued) **S121116813**

Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	,Paper
Hours of Operation:	24-Hour Dropoff

FIRST UNITED METHODIST CHURCH (Continued) **S121116813**

Hazardous Waste:	Not reported
E Scrap:	Not reported
Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported
Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported
Program Company:	Not reported
Program Contact Name:	Not reported
Address:	Not reported
City:	Not reported
State:	Not reported
Zip:	Not reported
Contact Phone:	Not reported
County:	Not reported
Entity Type:	Not reported
Sites Notes:	Not reported
Customers:	Not reported
Materials Accepted:	Not reported
Website:	Not reported
Contact Name:	Not reported
Manufacturer:	Not reported
Processor:	Not reported
Broker:	Not reported
Other:	Not reported
Automotive Fluids:	Not reported

FIRST UNITED METHODIST CHURCH (Continued) **S121116813**

Batteries:	Not reported
Construction/Related Products:	Not reported
Electronics/Related Products:	Not reported
Glass:	Not reported
Industrial Materials:	Not reported
Metals:	Not reported
Paper:	Not reported
Plastics:	Not reported
Rubber:	Not reported
Textiles:	Not reported
Wood/Organics:	Not reported
Recycling:	Not reported
Hours of Operation:	Not reported
Hazardous Waste:	Not reported
E Scrap:	Not reported

44
ESE
1/4-1/2
0.453 mi.
2393 ft.

Relative:
Lower

Actual:
614 ft.

MARIAH FOODS INCORPORATED **IN AUL** **S107705921**
1333 INDIANA AVENUE **IN VCP** **N/A**
COLUMBUS, IN 47201 **IN SPILLS**
IN AIRS
IN NPDES
IN TIER 2

AUL:

IC TYPE:	Environmental Restrictive Covenant
Facility Id:	6970606
Program Area:	Voluntary Remediation Program
Affected Media:	Ground Water; Subsurface Soil; Surface Soil
Date Ic Recorded:	09/17/2008
Description:	Not reported
Control Method A:	Agricultural or Food Crop
Coverage A:	Entire Property
Chemicals Of Concern A:	Metals; SVOCs - Semi Volatile Organic Compounds; VOCs - Volatile Organic Compounds
Comments A:	Not reported
Control Method B:	Excavation Notice Required
Coverage B:	Portion of Property
Chemicals Of Concern B:	SVOCs - Semi Volatile Organic Compounds; VOCs - Volatile Organic Compounds; Metals
Comments B:	Do not excavate soil below 4 feet deep in the Affected Areas without submitting a work plan to IDEM for approval at least 30 days prior to beginning work.
Control Method C:	Ground Water Use Restriction
Coverage C:	Entire Property
Chemicals Of Concern C:	SVOCs - Semi Volatile Organic Compounds ;VOCs - Volatile Organic Compounds; Metals
Comments C:	Not reported
Control Method D:	Residential Use Restriction
Coverage D:	Entire Property
Chemicals Of Concern D:	Metals; SVOCs - Semi Volatile Organic Compounds; VOCs - Volatile Organic Compounds
Comments D:	Not reported
Control Method E:	Not reported
Coverage E:	Not reported
Chemicals Of Concern E:	Not reported
Comments E:	Not reported
Control Method F:	Not reported
Coverage F:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Chemicals Of Concern F:	Not reported
Comments F:	Not reported
Control Method G:	Not reported
Coverage G:	Not reported
Chemicals Of Concern G:	Not reported
Comments G:	Not reported
Control Method H:	Not reported
Coverage H:	Not reported
Chemicals Of Concern H:	Not reported
Comments H:	Not reported
Control Method I:	Not reported
Coverage I:	Not reported
Chemicals Of Concern I:	Not reported
Comments I:	Not reported

VCP:

Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	1,1,1-Trichloroethane
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.

Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Comments:	Not reported
Contamination:	Arsenic
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Benzene
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Benzo [a] anthracene
Media:	Groundwater

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Ethyl benzene
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Lead
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Pyrene
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Toluene
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.
Status:	Inactive
VRP Id Number:	6970606
Applicant Name:	Not reported
LandUse Restrictions/Institutional Controls:	Bartholomew County ERC #200800011453. See footnote #20 below
Project Manager:	Holland
Convenant Not To Sue Date:	07/13/2010
Certificate of Completion Date:	11/20/2008
New Coding Number:	VM0GU
App# Date:	06/26/1997
App# Acceptance:	Not reported
VRA executed:	11/25/1997
RWP Received:	10/10/2002
RWP Approved:	11/04/2005
Comp Date:	Not reported
Comments:	Not reported
Contamination:	Xylenes
Media:	Groundwater
Project Description:	The project goals listed in the application are to attain Tier 2 Residential Cleanup Goals.
Past Actions:	Not reported
Issues and Impacts:	Whether lagoon area will be included. August Mack is now the applicant's consultant. They are preparing a combined Phase II / RWP for submittal.
Future Actions:	Not reported
Additional Comments:	Spoke with Tim DeWitt from August Mack on 8/6/2001. They conducted a groundwater sampling last week on the existing wells at the facility.

SPILL:

Facility ID:	200012180
Incident Date:	12/25/2000
Report Date:	12/29/2000
Material:	Diesel Fuel
Spill Source:	Industrial
Recovered Amount:	Not reported
Recovered Units:	Not reported
Spilled Amount:	80
Spilled Units:	G
Contained:	Not reported
Water Affected:	NONE
Spill Type:	Spill
Area Affected:	200 sq ft
Fish Killed:	0
Water Supply Affected:	Not reported
Public Intake:	N
Incident Status:	Not reported

Facility ID:	200406187
Incident Date:	06/22/2004
Report Date:	06/22/2004
Material:	ANHYDROUS AMMONIA
Spill Source:	Industrial
Recovered Amount:	Not reported
Recovered Units:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Spilled Amount:	300
Spilled Units:	P
Contained:	Not reported
Water Affected:	Not reported
Spill Type:	Air
Area Affected:	ATMOSPHERE
Fish Killed:	Not reported
Water Supply Affected:	Not reported
Public Intake:	N
Incident Status:	Not reported

Facility ID:	200410001
Incident Date:	10/01/2004
Report Date:	10/01/2004
Material:	BIOSOLIDS
Spill Source:	Not reported
Recovered Amount:	Not reported
Recovered Units:	Not reported
Spilled Amount:	Not reported
Spilled Units:	Not reported
Contained:	Not reported
Water Affected:	HAW CREEK
Spill Type:	Spill
Area Affected:	SEVERAL HUNDRED YARDS
Fish Killed:	Not reported
Water Supply Affected:	NA
Public Intake:	Y
Incident Status:	Not reported

Facility ID:	199703098
Incident Date:	03/18/1997
Report Date:	03/18/1997
Material:	Anhydrous Ammonia
Spill Source:	Industrial
Recovered Amount:	U
Recovered Units:	0
Spilled Amount:	125
Spilled Units:	P
Contained:	N
Water Affected:	None
Spill Type:	Air
Area Affected:	Compressor Room
Fish Killed:	0
Water Supply Affected:	Not reported
Public Intake:	N
Incident Status:	Not reported

AIRS:

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Brooke Haldeman
Responsible Official Phone:	317-234-5176
SIC Code:	2011
Permit ID:	005-37006-00076
Permit Level:	MSOP
Subtype Qualifier:	Administrative Amendment
Issue Date:	05/11/2016

MARIAH FOODS INCORPORATED (Continued) **S107705921**

End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	03/28/2016
Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Curtis Taylor
Responsible Official Phone:	317-234-5176
SIC Code:	2011
Permit ID:	005-34654-00076
Permit Level:	MSOP
Subtype Qualifier:	Administrative Amendment
Issue Date:	07/21/2014
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	06/20/2014
Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Marcia Earl
Responsible Official Phone:	317-233-0863
SIC Code:	2011
Permit ID:	005-32020-00076
Permit Level:	MSOP
Subtype Qualifier:	Minor Permit Revision
Issue Date:	08/02/2012
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	06/15/2012
Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Sarah Conner
Responsible Official Phone:	317-234-6555
SIC Code:	2011
Permit ID:	005-28816-00076
Permit Level:	MSOP
Subtype Qualifier:	Minor Permit Revision
Issue Date:	01/22/2010
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	12/28/2009

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Pam Way
Responsible Official Phone:	317-233-6878
SIC Code:	2011
Permit ID:	005-25837-00076
Permit Level:	MSOP
Subtype Qualifier:	Notice-Only Change - Permit Term Extension
Issue Date:	02/01/2008
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	01/03/2008
Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Janet Mobley
Responsible Official Phone:	317-234-5373
SIC Code:	2011
Permit ID:	005-23545-00076
Permit Level:	MSOP
Subtype Qualifier:	Renewal
Issue Date:	06/22/2007
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	08/23/2006
Application Received End Date:	Not reported
Public Notice Begins Start Date:	05/08/2007
Public Notice Begins End Date:	06/07/2007
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Eastern Research Group
Responsible Official Phone:	919-468-7800
SIC Code:	2011
Permit ID:	005-18868-00076
Permit Level:	MSOP
Subtype Qualifier:	Notice-Only Change
Issue Date:	06/11/2004
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	04/16/2004
Application Received End Date:	Not reported
Public Notice Begins Start Date:	Not reported
Public Notice Begins End Date:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported
Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Eastern Research Group
Responsible Official Phone:	919-468-7800
SIC Code:	2011
Permit ID:	005-16742-00076
Permit Level:	MSOP
Subtype Qualifier:	Significant Permit Revision (Minor PSD/EO) (120)
Issue Date:	05/16/2003
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	01/30/2003
Application Received End Date:	Not reported
Public Notice Begins Start Date:	04/05/2003
Public Notice Begins End Date:	05/05/2003
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported
Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Eastern Research Group
Responsible Official Phone:	919-468-7800
SIC Code:	2011
Permit ID:	005-14899-00076
Permit Level:	MSOP
Subtype Qualifier:	New Construction MSOP (Minor PSD/EO) (120)
Issue Date:	03/05/2002
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	09/11/2001
Application Received End Date:	Not reported
Public Notice Begins Start Date:	01/25/2002
Public Notice Begins End Date:	02/25/2002
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported
Status:	Issued
Source ID:	005-00076
Responsible Official Name:	Yan Ting Yang
Responsible Official Phone:	800-451-6027
SIC Code:	2011
Permit ID:	005-5885-00076 (No Electronic File Exists)
Permit Level:	Construction
Subtype Qualifier:	State
Issue Date:	09/11/1996
End Date:	Not reported
Source Contact:	Mr. Bill Jones
Application Received Start Date:	05/15/1996
Application Received End Date:	Not reported
Public Notice Begins Start Date:	07/02/1996
Public Notice Begins End Date:	08/01/1996
Proposed Internet Upload Start Date:	Not reported
Proposed Internet Upload End Date:	Not reported

MARIAH FOODS INCORPORATED (Continued) **S107705921**

NPDES:

Permit Number:	INRM00518
Primary Facility Sic Code:	2011
Major/Minor:	Minor
Primary Facility Sic Desc:	Meat Packing Plants
Facility Type Desc:	Privately Owned Facility
Permit Status Desc:	Effective
Issue Date:	03/12/2017
Expired Date:	03/11/2022
Effective Date:	03/12/2017
Terminated Date:	Not reported
DMR Cognizant Official:	Not reported
DMR Cognizant Telephone:	Not reported
Waterbody:	Not reported
Total Actual Average Flow (MGD):	Not reported
Total App. Design Flow (MGD):	Not reported
FRS HUC Code:	05120205
Latitude In Decimal Degrees:	39.197521
Longitude In Decimal Degrees:	-85.909096

NPDES:

Permit Number:	INRM00518
Permit Name:	Mariah Foods Inc
Physical Address Line 1:	1333 Indiana Ave
Physical Address Line 2:	Not reported
Address City:	Columbus
Address State:	IN
Address Zip:	47201
Address County:	Bartholomew
Master Facility Name:	Not reported
Permit Group:	NPDES - GP Industrial Storm Water
Comments:	IN-NPDES

TIER 2:

Facility Id:	Not reported
SIC Code:	Not reported
Chemical Name:	Not reported
Chemical Info:	CAS Num: Chemical Id: Submission Code:
More Chemical Info:	Max Daily Amt: Quantity: Container Type:
Location Description:	Not reported
Storage Info:	Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

Facility Id:	Not reported
SIC Code:	Not reported
Chemical Name:	Not reported
Chemical Info:	CAS Num: Chemical Id: Submission Code:
More Chemical Info:	Max Daily Amt: Quantity: Container Type:
Location Description:	Not reported
Storage Info:	Storage Loc: Storage Loc2: Storage Loc3: Storage Loc4 Max Daily Amt:

Facility Id:	Not reported

45
NW
1/4-1/2
0.462 mi.
2440 ft.

PROPERTY
8TH & 11TH STREET SE CORNER
COLUMBUS, IN 47201

US BROWNFIELDS FINDS **1016306913 N/A**

Relative:
Lower

Actual:
625 ft.

US BROWNFIELDS:

Property Name:	PROPERTY
Recipient Name:	R5 Brownfields TBA (previously Superfund TBA)
Grant Type:	TBA
Property Number:	Not reported
Parcel size:	Not reported
Latitude:	39.20638
Longitude:	-85.92527
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	Not reported
Acres Property ID:	10692
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	1
Assessment Funding Source:	US EPA - TBA Funding
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Not reported
Grant Type:	Hazardous
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	1
Cooperative Agreement Number:	n/a
Start Date:	04/03/2001 00:00:00
Ownership Entity:	Not reported
Completion Date:	04/03/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported
Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported

PROPERTY (Continued) **1016306913**

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

PROPERTY (Continued) **1016306913**

Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	233
Below Poverty Percent:	22.2%
Meidan Income:	2606
Meidan Income Number:	450
Meidan Income Percent:	42.8%
Vacant Housing Number:	98
Vacant Housing Percent:	18.5%
Unemployed Number:	45
Unemployed Percent:	4.3%

FINDS:

Registry ID: 110015332040

Environmental Interest/Information System

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

IN-FRS (Indiana - Facility Registry System). The Indiana Department of Environmental Management (I-DEM) has implemented the Indiana-Facility Registry System (I-FRS). The I-FRS provides the interface and processes to link facility data monitored by multiple State and EPA program systems. In addition, I-FRS enables IDEM to reconcile environmental data and exchange it with EPA FRS using the electronic data exchange over the Network Node.

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

46
NNW
1/4-1/2
0.475 mi.
2508 ft.

INTERSTATE BRANDS CORPORATION
920 WASHINGTON ST
COLUMBUS, IN 47201

IN LUST **U003141491**
IN UST **N/A**

Relative:
Lower

Actual:
626 ft.

LUST:

Facility ID:	3252
Incident Number:	199701513
Description:	NFA-Unconditional Closure
Priority:	Low

UST:

Facility ID:	3252
Owner Id:	13413
Company Name:	Interstate Brands Corp
Mailing Address:	PO Box 419627
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Kansas City, MO 64141
Tank Number:	1
Tank Status:	**Permanently Out of Service**
Install Date:	03/05/1970
Tank Capacity:	10000
Substance Desc:	Diesel
Closed Date:	12/16/1996

47
WNW
1/2-1
0.526 mi.
2779 ft.

INDIANA GAS/COLUMBUS MGP
WEST STREET (PARK)
COLUMBUS, IN 47201

EDR MGP **1008408222**
N/A

Relative:
Lower

Actual:
610 ft.

Manufactured Gas Plants:
No additional information available

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
COLUMBUS	S105202437	IRWIN UNION PARKING LOT	600 BLOCK WASHINGTON STREET	47201	IN VCP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

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

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 10/17/2018
Date Data Arrived at EDR: 10/25/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 43

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/28/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: List of Hazardous Waste Response Sites Scored Using the Indiana Scoring Model

List of hazardous waste response sites scored utilizing the Indiana Scoring Model. The Indiana Scoring Model is a method of prioritizing, for state response actions, those hazardous substances response sites which are not on the National Priorities List. The ISM serves as the Commissioners management tool to address those sites which pose the most significant threat to human health and the environment in addition to assuring the departments resources are allocated accordingly.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 08/27/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 22

Source: Department of Environmental Management
Telephone: 317-308-3052
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

OPEN DUMPS: Open Dump Waste Sites

Open Dumps are sites that are not regulated and are illegal dump sites of solid waste, as defined by IAC 10-2-28 329 and IAC 10-2-128 of the Indiana Administrative Code.

Date of Government Version: 06/26/2009
Date Data Arrived at EDR: 12/11/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 40

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

SWF/LF: Permitted Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 09/13/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 21

Source: Department of Environmental Management
Telephone: 317-232-0066
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Lust Leaking Underground Storage Tank List

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

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/28/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 2

Source: Department of Environmental Management
Telephone: 317-232-8900
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

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

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 11/28/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 2
Source: Department of Environmental Management
Telephone: 317-308-3008
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks
A listing of aboveground storage tank sites that reported under the emergency rule.

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 05/16/2017
Date Made Active in Reports: 09/06/2017
Number of Days to Update: 113
Source: N/A
Telephone: 317-232-2393
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: N/A

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Sites with Restrictions

Activity and use limitations include both engineering controls and institutional controls. A listing of Comfort/Site Status Letter sites that have been issued with controls.

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/28/2019
Number of Days to Update: 59

Source: Department of Environmental Management
Telephone: 317-232-8603
Last EDR Contact: 02/26/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Remediation Program Site List

A current list of Voluntary Remediation Program sites that are no longer confidential.

Date of Government Version: 10/23/2018
Date Data Arrived at EDR: 10/31/2018
Date Made Active in Reports: 11/15/2018
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 317-234-0966
Last EDR Contact: 10/05/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A brownfield site is an industrial or commercial property that is abandoned, inactive, or underutilized, on which expansion or redeveloopment is complicated due to the actual or perceived environmental contamination.

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/30/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 35

Source: Department of Environmental Management
Telephone: 317-233-2570
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/18/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Waste Tire Sites Listing

This listing consists of Tire Sites - sites which contain tires - either for processing, for storage, or transport - as well as some illegal tire dumps, as defined by IC 13-11-2-251, IC 13-11-2-252, and IC 13-11-250.5 of the Indiana Code.

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 02/08/2019
Number of Days to Update: 35

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Indiana.

Date of Government Version: 01/15/2019
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 02/15/2019
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 317-234-4050
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing

A listing of clandestine drub labs that have been cleaned up.

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 10/05/2016
Date Made Active in Reports: 10/20/2016
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 317-416-5031
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

DEL SHWS: Deleted Commissioner's Bulletin Sites List

A listing of sites deleted/removed from the Commissioner's Bulletin List

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/04/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 10

Source: Department of Environmental Management
Telephone: 317-234-0347
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

SPILLS: Spills Incidents

Oil, hazardous, or objectionable materials that may be released to soil and water.

Date of Government Version: 10/31/2018
Date Data Arrived at EDR: 11/28/2018
Date Made Active in Reports: 12/03/2018
Number of Days to Update: 5

Source: Department of Environmental Management
Telephone: 317-308-3038
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/07/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/11/2002
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/28/2013
Number of Days to Update: 56

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 08/31/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

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

Date of Government Version: 10/02/2018
Date Data Arrived at EDR: 10/03/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/03/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 44

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

AIRS: Permitted Sources & Emissions Listing

Current permitted sources and emissions inventory information.

Date of Government Version: 08/03/2016
Date Data Arrived at EDR: 08/05/2016
Date Made Active in Reports: 08/23/2016
Number of Days to Update: 18

Source: Department of Environmental Management
Telephone: 317-233-0185
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ASBESTOS: Asbestos Notification Listing
A listing of asbestos notification site locations.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 02/15/2019
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 317-233-0178
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

BULK: Registered Bulk Fertilizer and Pesticide Storage Facilities
A listing of registered dry or liquid bulk fertilizer and pesticide storage facilities.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 54

Source: Office of Indiana State Chemist
Telephone: 765-494-0579
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

CFO: Confined Feeding Operations
This dataset consists of Confined Feeding Operations - i.e. A swine, chicken, turkey, beef or dairy agri-business that has large enough numbers of animals that IDEM regulates for environmental concerns, as defined by IC 13-18-10 of the Indiana Code.

Date of Government Version: 10/19/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 02/19/2019
Number of Days to Update: 46

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash disposal site locations.

Date of Government Version: 11/19/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 01/20/2017
Number of Days to Update: 16

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing
A list of drycleaners involved in the Indiana 5-Star Environmental Recognition Program. It is a voluntary program that ranks participating drycleaners on a scale of one to five stars. The program recognizes those drycleaners willing to do more for the environment and worker safety than the rules require. These drycleaners are going above and beyond the rules to protect the environment, their employees and their neighbors and customers.

Date of Government Version: 10/17/2017
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 04/18/2018
Number of Days to Update: 36

Source: Department of Environmental Management
Telephone: 800-988-7901
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 02/08/2019
Number of Days to Update: 28

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 02/08/2019
Number of Days to Update: 28

Source: Department of Environmental Management
Telephone: 317-233-1052
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

IND WASTE: Industrial Waste Sites Listing

The listing contains industrial waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality.

Date of Government Version: 08/04/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 10/07/2015
Number of Days to Update: 28

Source: Department of Environmental Management
Telephone: 317-232-8726
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

IN MANIFEST: Manifest Data

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 10/03/2017
Date Made Active in Reports: 12/05/2017
Number of Days to Update: 63

Source: Department of Environmental Management
Telephone: 317-233-4624
Last EDR Contact: 01/02/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

NPDES: NPDES Permit Listing

A listing of active NPDES Permit Section facility locations.

Date of Government Version: 10/09/2018
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/15/2018
Number of Days to Update: 36

Source: Department of Environmental Management
Telephone: 317-233-0676
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

OISC: Office of Indiana State Chemist Database

Restricted use pesticide dealers and pesticide & fertilizer applicators.

Date of Government Version: 09/18/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/04/2018
Number of Days to Update: 16

Source: Office of Indiana State Chemist & Seed
Telephone: 765-494-1492
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SCP: State Cleanup Program Sites

The goals for the State Cleanup Section are to mitigate risk to human health and the environment.

Date of Government Version: 08/29/2016
Date Data Arrived at EDR: 08/29/2016
Date Made Active in Reports: 10/20/2016
Number of Days to Update: 52

Source: Department of Environmental Management
Telephone: 317-233-0068
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/18/2018
Number of Days to Update: 49

Source: Department of Environmental Management
Telephone: 317-233-0066
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

UIC: UIC Site Listing
A listing of class II well locations

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 11/28/2018
Date Made Active in Reports: 01/29/2019
Number of Days to Update: 62

Source: Department of Natural Resources
Telephone: 317-232-0045
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

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

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

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

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

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

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/20/2014
Number of Days to Update: 203

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environmental Management
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 02/19/2019
Number of Days to Update: 33

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

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

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Listing
Source: Family & Social Services Administration
Telephone: 317-232-4740

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

JT0460.710.0002
215 FRANKLIN ST AND 507 3RD STREET
COLUMBUS, IN 47201

TARGET PROPERTY COORDINATES

Latitude (North):	39.201035 - 39° 12' 3.73''
Longitude (West):	85.918875 - 85° 55' 7.95''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	593354.6
UTM Y (Meters):	4339434.5
Elevation:	628 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5945355 COLUMBUS, IN
Version Date:	2013

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

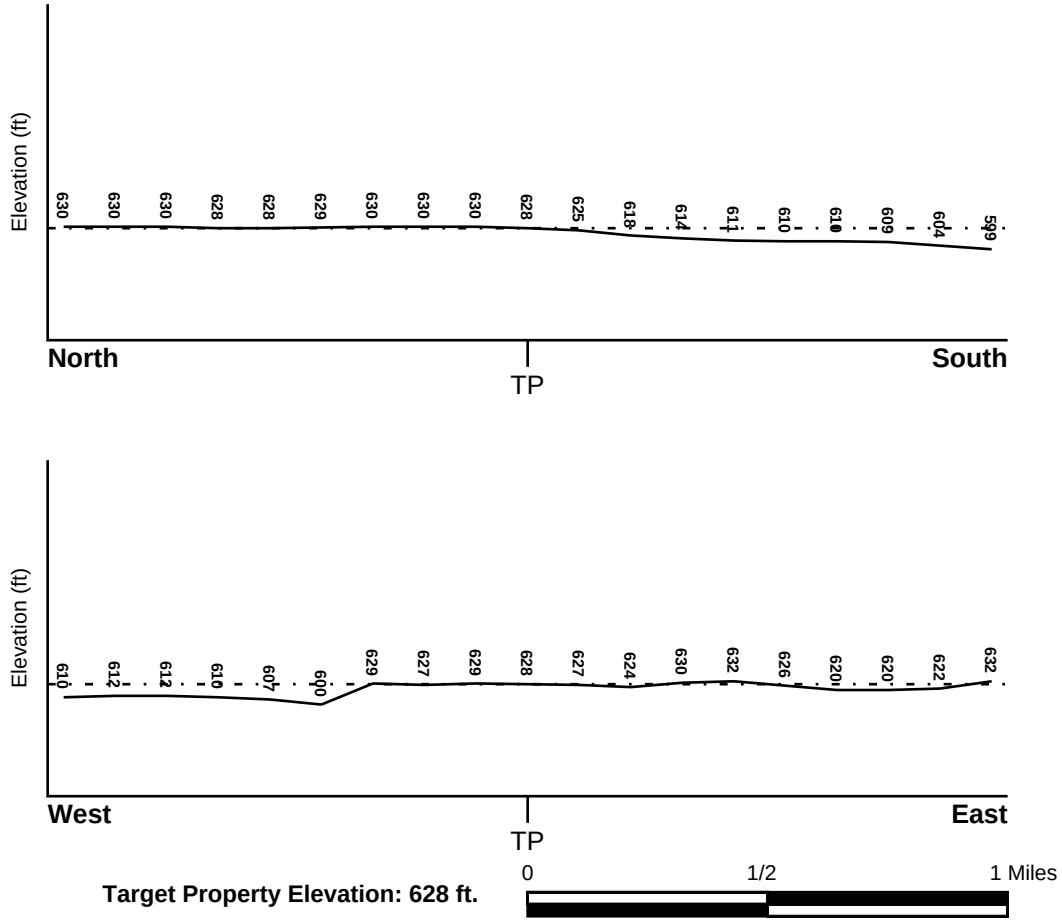
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
18005C0133E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
18005C0129E	FEMA FIRM Flood data
18005C0134E	FEMA FIRM Flood data
18005C0141E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
COLUMBUS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

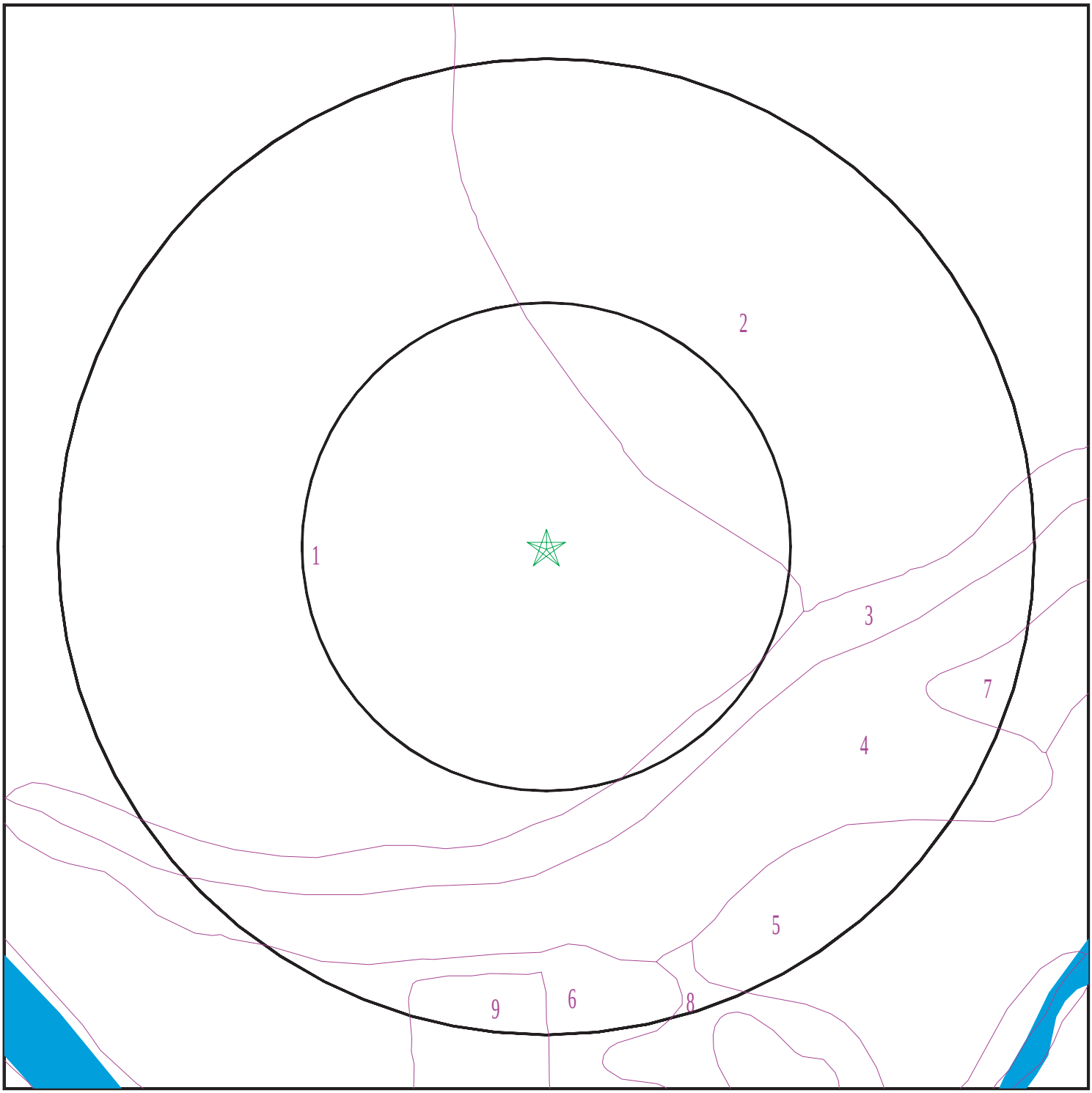
Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 05584135.1r



Target Property
SSURGO Soil
Water

SITE NAME:	JT0460.710.0002	CLIENT:	August Mack Environmental, Inc
ADDRESS:	215 Franklin St and 507 3rd Street Columbus IN 47201	CONTACT:	Elyse Baron
LAT/LONG:	39.201035 / 85.918875	INQUIRY #:	05584135.1r
		DATE:	March 08, 2019 2:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Shoals

Soil Surface Texture:

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Rossburg

Soil Surface Texture:

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 6

Soil Component Name: Genesee

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Eel

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

No Layer Information available.

Soil Map ID: 8

Soil Component Name: Medway

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 54 inches

No Layer Information available.

Soil Map ID: 9

Soil Component Name: Udorthents, sandy

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

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
97	USGS40000306493	1/2 - 1 Mile NNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	IN2030132	1/8 - 1/4 Mile WNW

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	INDNR4000048549	0 - 1/8 Mile South
3	INDNR4000048648	1/8 - 1/4 Mile SSE
A4	INDNR4000048682	1/8 - 1/4 Mile ESE
A5	INLIT2000011096	1/8 - 1/4 Mile ESE
A6	INDNR4000048583	1/8 - 1/4 Mile ESE
A7	INLIT2000011087	1/8 - 1/4 Mile ESE
8	INDNR4000048596	1/4 - 1/2 Mile SE
B9	INLIT2000011189	1/4 - 1/2 Mile NW
B10	INDNR4000047882	1/4 - 1/2 Mile NW
B11	INDNR4000047849	1/4 - 1/2 Mile WNW
B12	INDNR4000048075	1/4 - 1/2 Mile WNW
C13	INDNR4000048180	1/4 - 1/2 Mile SW
B14	INLIT2000011206	1/4 - 1/2 Mile NW
C15	INLIT2000011038	1/4 - 1/2 Mile SW
B16	INDNR4000047786	1/4 - 1/2 Mile NW
B17	INLIT2000011194	1/4 - 1/2 Mile NW
B18	INDNR4000048087	1/4 - 1/2 Mile NW
19	INDNR4000048767	1/4 - 1/2 Mile East
D20	INLIT2000011229	1/4 - 1/2 Mile NW
D21	INLIT2000011230	1/4 - 1/2 Mile NW
D22	INDNR4000048096	1/4 - 1/2 Mile NW
D23	INDNR4000047809	1/4 - 1/2 Mile NW
D24	INLIT2000011222	1/4 - 1/2 Mile NW
D25	INDNR4000048037	1/4 - 1/2 Mile NW
E26	INLIT2000011205	1/4 - 1/2 Mile NW
E27	INDNR4000048242	1/4 - 1/2 Mile NW
F28	INDNR4000048449	1/4 - 1/2 Mile ESE
F29	INLIT2000011088	1/4 - 1/2 Mile ESE
G30	INLIT2000011257	1/4 - 1/2 Mile NNW
G31	INDNR4000047996	1/4 - 1/2 Mile NNW
G32	INLIT2000011259	1/4 - 1/2 Mile NNW
G33	INDNR4000048171	1/4 - 1/2 Mile NNW
H34	INLIT2000011278	1/4 - 1/2 Mile North
H35	INDNR4000048640	1/4 - 1/2 Mile North
G36	INLIT2000011249	1/4 - 1/2 Mile NW
F37	INDNR4000048520	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

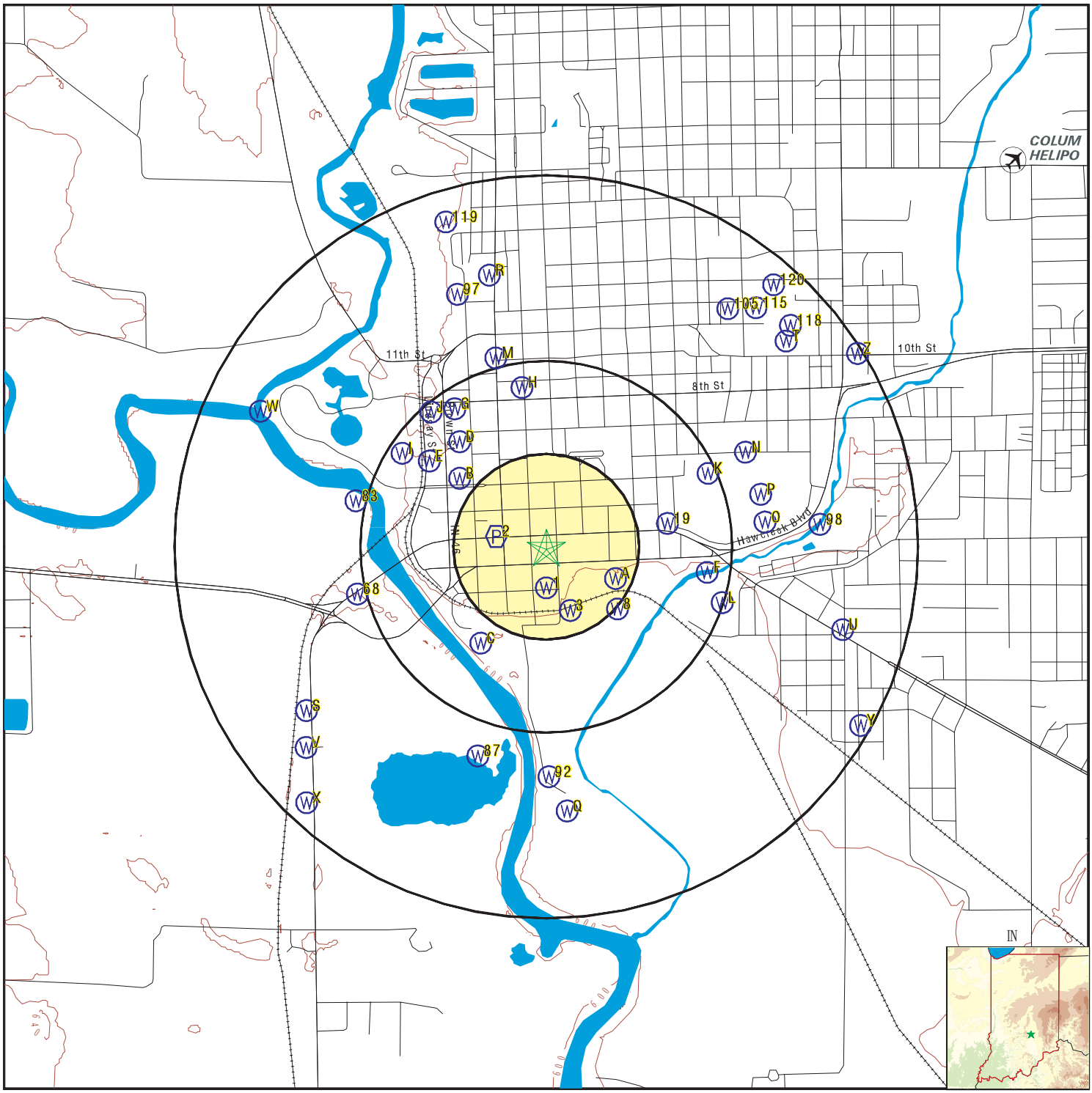
MAP ID	WELL ID	LOCATION FROM TP
F38	INDNR4000048524	1/4 - 1/2 Mile East
F39	INDNR4000048336	1/4 - 1/2 Mile East
F40	INDNR4000048411	1/4 - 1/2 Mile East
F41	INDNR4000048590	1/4 - 1/2 Mile East
F42	INDNR4000048600	1/4 - 1/2 Mile East
F43	INDNR4000048531	1/4 - 1/2 Mile East
F44	INDNR4000048588	1/4 - 1/2 Mile East
G45	INDNR4000048119	1/4 - 1/2 Mile NW
G46	INLIT2000011266	1/4 - 1/2 Mile NNW
G47	INDNR4000048176	1/4 - 1/2 Mile NNW
G48	INDNR4000047835	1/4 - 1/2 Mile NW
G49	INDNR4000047832	1/4 - 1/2 Mile NW
G50	INDNR4000048063	1/4 - 1/2 Mile NW
G51	INDNR4000048196	1/4 - 1/2 Mile NW
G52	INDNR4000048067	1/4 - 1/2 Mile NW
I53	INDNR4000047905	1/4 - 1/2 Mile WNW
I54	INDNR4000047846	1/4 - 1/2 Mile WNW
I55	INDNR4000047955	1/4 - 1/2 Mile WNW
I56	INDNR4000048142	1/4 - 1/2 Mile WNW
I57	INDNR4000047957	1/4 - 1/2 Mile WNW
I58	INDNR4000047845	1/4 - 1/2 Mile WNW
F59	INDNR4000048380	1/4 - 1/2 Mile ESE
F60	INLIT2000011078	1/4 - 1/2 Mile ESE
J61	INLIT2000011255	1/4 - 1/2 Mile NW
K62	INLIT2000011195	1/4 - 1/2 Mile ENE
J63	INDNR4000048046	1/4 - 1/2 Mile NW
K64	INDNR4000048455	1/4 - 1/2 Mile ENE
L65	INDNR4000048639	1/4 - 1/2 Mile ESE
L66	INLIT2000011070	1/4 - 1/2 Mile ESE
L67	INDNR4000048523	1/2 - 1 Mile ESE
68	INDNR4000048012	1/2 - 1 Mile WSW
M69	INDNR4000048023	1/2 - 1 Mile NNW
M70	INDNR4000048062	1/2 - 1 Mile NNW
M71	INDNR4000048073	1/2 - 1 Mile NNW
M72	INDNR4000048020	1/2 - 1 Mile NNW
M73	INDNR4000047779	1/2 - 1 Mile NNW
M74	INDNR4000047848	1/2 - 1 Mile NNW
M75	INDNR4000047907	1/2 - 1 Mile NNW
M76	INDNR4000048195	1/2 - 1 Mile NNW
M77	INDNR4000048199	1/2 - 1 Mile NNW
M78	INDNR4000048206	1/2 - 1 Mile NNW
M79	INDNR4000048137	1/2 - 1 Mile NNW
M80	INDNR4000048126	1/2 - 1 Mile NNW
M81	INDNR4000048128	1/2 - 1 Mile NNW
M82	INDNR4000048134	1/2 - 1 Mile NNW
83	INDNR4000048125	1/2 - 1 Mile WNW
N84	INLIT2000011210	1/2 - 1 Mile ENE
N85	INDNR4000048696	1/2 - 1 Mile ENE
O86	INLIT2000011160	1/2 - 1 Mile East
87	INDNR4000048130	1/2 - 1 Mile SSW
O88	INDNR4000048565	1/2 - 1 Mile East
P89	INLIT2000011181	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
P90	INDNR4000048315	1/2 - 1 Mile ENE
N91	INDNR4000048562	1/2 - 1 Mile ENE
92	INDNR4000048545	1/2 - 1 Mile South
Q93	INDNR4000048264	1/2 - 1 Mile South
Q94	INDNR4000048610	1/2 - 1 Mile South
Q95	INDNR4000048638	1/2 - 1 Mile South
Q96	INLIT2000010917	1/2 - 1 Mile South
98	INDNR4000048434	1/2 - 1 Mile East
Q99	INDNR4000048363	1/2 - 1 Mile South
R100	INLIT2000011422	1/2 - 1 Mile NNW
Q101	INLIT2000010895	1/2 - 1 Mile South
R102	INDNR4000048170	1/2 - 1 Mile NNW
S103	INDNR4000047803	1/2 - 1 Mile SW
S104	INLIT2000010986	1/2 - 1 Mile SW
105	INDNR4000048605	1/2 - 1 Mile NE
T106	INLIT2000011323	1/2 - 1 Mile NE
U107	INDNR4000048297	1/2 - 1 Mile ESE
U108	INLIT2000011048	1/2 - 1 Mile ESE
T109	INDNR4000048317	1/2 - 1 Mile NE
T110	INDNR4000048354	1/2 - 1 Mile NE
V111	INDNR4000048162	1/2 - 1 Mile SW
V112	INLIT2000010967	1/2 - 1 Mile SW
W113	INDNR4000047894	1/2 - 1 Mile WNW
W114	INDNR4000047952	1/2 - 1 Mile WNW
115	INDNR4000048442	1/2 - 1 Mile NE
T116	INLIT2000011359	1/2 - 1 Mile NE
T117	INDNR4000048431	1/2 - 1 Mile NE
118	INDNR4000048568	1/2 - 1 Mile NE
119	INDNR4000047893	1/2 - 1 Mile NNW
120	INDNR4000048498	1/2 - 1 Mile NE
X121	INDNR4000048167	1/2 - 1 Mile SW
X122	INLIT2000010923	1/2 - 1 Mile SW
Y123	INDNR4000048272	1/2 - 1 Mile ESE
Y124	INDNR4000048536	1/2 - 1 Mile ESE
Z125	INDNR4000048265	1/2 - 1 Mile ENE
Z126	INDNR4000048465	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 05584135.1r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME:	JT0460.710.0002	CLIENT:	August Mack Environmental, Inc
ADDRESS:	215 Franklin St and 507 3rd Street Columbus IN 47201	CONTACT:	Elyse Baron
LAT/LONG:	39.201035 / 85.918875	INQUIRY #:	05584135.1r
		DATE:	March 08, 2019 2:33 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
South
0 - 1/8 Mile
Lower

IN WELLS **INDNR4000048549**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216305	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	35	Well depth (ft):	50
Owner:	SERV-ICE & COAL CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	16	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JAN-15	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216305&_from=SUMMARY&_action=Details		

2
WNW
1/8 - 1/4 Mile
Higher

FRDS PWS **IN2030132**

Epa region:	05	State:	IN
Pwsid:	IN2030132	Pwsname:	FREEZER FRESH ICE CREAM
Cityserved:	Not Reported	Stateserved:	IN
Zipserved:	Not Reported	Fipscounty:	18005
Status:	Closed	Retpopsrvd:	200
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	FREEZER FRESH ICE CREAM	Contactorgname:	Not Reported
Contactphone:	812-376-0710	Contactaddress1:	LENORA FORDING
Contactaddress2:	2502 E. 25TH	Contactcity:	COLUMBUS
Contactstate:	IN	Contactzip:	47201
Pwsactivitycode:	I		
PWS ID:	IN2030132	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	IN2030132
Activity status:	Active	Date system activated:	7601
Date system deactivated:	Not Reported	Retail population:	00000200
System name:	FREEZER FRESH ICE CREAM	System address:	LENORA FORDING
System address:	2502 E. 25TH	System city:	COLUMBUS
System state:	IN	System zip:	47201
Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	391205	Longitude:	0855517

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

3
SSE
1/8 - 1/4 Mile
Lower

IN WELLS **INDNR4000048648**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216285	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	7.31	Well depth (ft):	49
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216285&_from=SUMMARY&_action=Details		

A4
ESE
1/8 - 1/4 Mile
Lower

IN WELLS **INDNR4000048682**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216295	Aquifer Elevation (ft):	568
Bailer Water Production (gal/min):	250	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	9	Well depth (ft):	42
Owner:	SERV-ICE & COAL CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	2
Casing Diameter:	12	Casing Length:	33
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	12
Date Completed:	22-MAR-60	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216295&_from=SUMMARY&_action=Details		

A5
ESE
1/8 - 1/4 Mile
Lower

IN WELLS **INLIT2000011096**

Database:	Water Wells Database	iLITH ID:	88408
Agency ID:	216295	Elevation (ft):	610
Lithologic Total Depth:	42	Drilled Depth:	42
Static Water Depth:	9	Completion Date:	1960-03-22 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR

Bedrock Depth: 0

A6
ESE **IN WELLS** **INDNR4000048583**
1/8 - 1/4 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216310	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	65
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	BARTHOLOMEW COUNTY REMC		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	10-MAR-88	Ground Elevation:	619
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216310&_from=SUMMARY&_action=Details		

A7
ESE **IN WELLS** **INLIT2000011087**
1/8 - 1/4 Mile
Lower

Database:	Water Wells Database	iLITH ID:	88419
Agency ID:	216310	Elevation (ft):	619
Lithologic Total Depth:	95	Drilled Depth:	0
Static Water Depth:	0	Completion Date:	1988-03-10 00:00:00
Driller:	Eco Group	Record Source:	IDNR
Bedrock Depth:	65		

8
SE **IN WELLS** **INDNR4000048596**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216399	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	6	Well depth (ft):	66
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JUN-40	Ground Elevation:	610

Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216399&_from=SUMMARY&_action=Details

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B9
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011189**

Database:	Water Wells Database	iLITH ID:	88441
Agency ID:	216350	Elevation (ft):	625
Lithologic Total Depth:	66	Drilled Depth:	66
Static Water Depth:	20	Completion Date:	1981-11-19 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	0		

B10
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047882**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216350	Aquifer Elevation (ft):	559
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	650	Screen Length (ft):	15
Static Water Level:	20	Well depth (ft):	66
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	20	Casing Length:	52
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	30
Hours Tested:	24	Screen Diameter (in):	20
Date Completed:	19-NOV-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216350&_from=SUMMARY&_action=Details		

B11
WNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047849**

Database:	Water-Well Locations in Indiana		
Well Reference #:	317356	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	6
Owner:	IRWIN UNION BANK		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0

Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=317356&_from=SUMMARY&_action=Details		

B12
WNW **IN WELLS** **INDNR4000048075**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216365	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	20	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	200
Owner:	IRWIN UNION BANK		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216365&_from=SUMMARY&_action=Details		

C13
SW **IN WELLS** **INDNR4000048180**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216290	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	50
Pump Water Production (gal/min):	8	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	205
Owner:	PUBLIC SERVICE CO OF INC		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	3	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-AUG-36	Ground Elevation:	620
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216290&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B14
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011206**

Database:	Water Wells Database	iLITH ID:	100182
Agency ID:	264916	Elevation (ft):	625
Lithologic Total Depth:	55	Drilled Depth:	55
Static Water Depth:	15	Completion Date:	1981-05-28 00:00:00
Driller:	UNKNOWN	Record Source:	IDNR
Bedrock Depth:	55		

C15
SW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011038**

Database:	Water Wells Database	iLITH ID:	88404
Agency ID:	216290	Elevation (ft):	620
Lithologic Total Depth:	205	Drilled Depth:	205
Static Water Depth:	0	Completion Date:	1936-08-01 00:00:00
Driller:	H Lamb	Record Source:	IDNR
Bedrock Depth:	50		

B16
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047786**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264916	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	55
Pump Water Production (gal/min):	0	Screen Length (ft):	2
Static Water Level:	15	Well depth (ft):	55
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	56
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	28-MAY-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264916&_from=SUMMARY&_action=Details		

B17
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011194**

Database:	Water Wells Database	iLITH ID:	100179
Agency ID:	264906	Elevation (ft):	0

Lithologic Total Depth:	56	Drilled Depth:	56
Static Water Depth:	15	Completion Date:	1981-03-31 00:00:00
Driller:	UNKNOWN	Record Source:	IDNR
Bedrock Depth:	56		

B18
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048087**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264906	Aquifer Elevation (ft):	569
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	15	Well depth (ft):	56
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	56
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	31-MAR-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264906&_from=SUMMARY&_action=Details		

19
East
1/4 - 1/2 Mile
Higher

IN WELLS **INDNR4000048767**

Database:	Water-Well Locations in Indiana		
Well Reference #:	317190	Aquifer Elevation (ft):	607
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	10	Well depth (ft):	22.5
Owner:	CUMMINS	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	7.5	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	08-MAY-86
Ground Elevation:	630	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=317190&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D20
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011229**

Database:	Water Wells Database	iLITH ID:	88438
Agency ID:	216345	Elevation (ft):	625
Lithologic Total Depth:	55	Drilled Depth:	55
Static Water Depth:	20	Completion Date:	1981-11-11 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	55		

D21
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011230**

Database:	Water Wells Database	iLITH ID:	100181
Agency ID:	264911	Elevation (ft):	0
Lithologic Total Depth:	55	Drilled Depth:	55
Static Water Depth:	15	Completion Date:	1981-05-29 00:00:00
Driller:	UNKNOWN	Record Source:	IDNR
Bedrock Depth:	55		

D22
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048096**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216345	Aquifer Elevation (ft):	570
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	55
Pump Water Production (gal/min):	109	Screen Length (ft):	30
Static Water Level:	20	Well depth (ft):	55
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	25
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	5
Hours Tested:	24	Screen Diameter (in):	12
Date Completed:	11-NOV-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216345&_from=SUMMARY&_action=Details		

D23
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047809**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264911	Aquifer Elevation (ft):	570

Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	2
Static Water Level:	15	Well depth (ft):	55
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	56
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	29-MAY-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264911&_from=SUMMARY&_action=Details		

D24
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011222**

Database:	Water Wells Database	iLITH ID:	100184
Agency ID:	264921	Elevation (ft):	0
Lithologic Total Depth:	66	Drilled Depth:	66
Static Water Depth:	0	Completion Date:	1981-04-10 00:00:00
Driller:	UNKNOWN	Record Source:	IDNR
Bedrock Depth:	66		

D25
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048037**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264921	Aquifer Elevation (ft):	559
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	0	Well depth (ft):	66
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	66
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	10-APR-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264921&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E26
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011205**

Database:	Water Wells Database	iLITH ID:	88436
Agency ID:	216340	Elevation (ft):	625
Lithologic Total Depth:	55	Drilled Depth:	55
Static Water Depth:	20	Completion Date:	1981-11-17 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	53		

E27
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048242**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216340	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	55
Pump Water Production (gal/min):	71	Screen Length (ft):	30
Static Water Level:	20	Well depth (ft):	55
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	12
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	3
Hours Tested:	24	Screen Diameter (in):	12
Date Completed:	17-NOV-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216340&_from=SUMMARY&_action=Details		

F28
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048449**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222796	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	79
Pump Water Production (gal/min):	508	Screen Length (ft):	0
Static Water Level:	8	Well depth (ft):	124
Owner:	STADLER PACKING CO INC.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	84.3
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	86
Hours Tested:	2	Screen Diameter (in):	0
Date Completed:	09-DEC-65	Ground Elevation:	620
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222796&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F29
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011088**

Database:	Water Wells Database	iLITH ID:	92865
Agency ID:	222796	Elevation (ft):	620
Lithologic Total Depth:	124	Drilled Depth:	124
Static Water Depth:	8	Completion Date:	1965-12-09 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	79		

G30
NNW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011257**

Database:	Water Wells Database	iLITH ID:	88444
Agency ID:	216355	Elevation (ft):	625
Lithologic Total Depth:	76	Drilled Depth:	76
Static Water Depth:	21	Completion Date:	1981-11-05 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	0		

G31
NNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047996**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216355	Aquifer Elevation (ft):	550
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	1000	Screen Length (ft):	15
Static Water Level:	21	Well depth (ft):	76
Owner:	CUMMINS ENG. CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	20	Casing Length:	62
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	20
Hours Tested:	24	Screen Diameter (in):	20
Date Completed:	05-NOV-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216355&_from=SUMMARY&_action=Details		

G32
NNW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011259**

Database:	Water Wells Database	iLITH ID:	100186
Agency ID:	264926	Elevation (ft):	0

Lithologic Total Depth:	75	Drilled Depth:	75
Static Water Depth:	0	Completion Date:	1981-04-08 00:00:00
Driller:	UNKNOWN	Record Source:	IDNR
Bedrock Depth:	75		

G33
NNW **IN WELLS** **INDNR4000048171**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	264926	Aquifer Elevation (ft):	550
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	0	Well depth (ft):	75
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	75
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	08-APR-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264926&_from=SUMMARY&_action=Details		

H34
North **IN WELLS** **INLIT2000011278**
1/4 - 1/2 Mile
Higher

Database:	Water Wells Database	iLITH ID:	88432
Agency ID:	216330	Elevation (ft):	625
Lithologic Total Depth:	56	Drilled Depth:	56
Static Water Depth:	24	Completion Date:	1964-07-01 00:00:00
Driller:	Critzer Drilling Co.	Record Source:	IDNR
Bedrock Depth:	0		

H35
North **IN WELLS** **INDNR4000048640**
1/4 - 1/2 Mile
Higher

Database:	Water-Well Locations in Indiana		
Well Reference #:	216330	Aquifer Elevation (ft):	569
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	20	Screen Length (ft):	3
Static Water Level:	24	Well depth (ft):	56
Owner:	DR. FISHER	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	4
Casing Length:	54	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0

Pump Test Drawdown (ft):	0	Hours Tested:	1
Screen Diameter (in):	4	Date Completed:	01-JUL-64
Ground Elevation:	625	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216330&_from=SUMMARY&_action=Details		

G36
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011249**

Database:	Water Wells Database	iLITH ID:	88458
Agency ID:	216370	Elevation (ft):	0
Lithologic Total Depth:	80	Drilled Depth:	0
Static Water Depth:	0	Completion Date:	1981-04-02 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	80		

F37
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048520**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222791	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	432	Screen Length (ft):	0
Static Water Level:	12	Well depth (ft):	130
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	90.9
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	58
Hours Tested:	4	Screen Diameter (in):	0
Date Completed:	02-APR-71	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222791&_from=SUMMARY&_action=Details		

F38
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048524**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222776	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	300	Screen Length (ft):	20
Static Water Level:	0	Well depth (ft):	87
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0

Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	10
Hours Tested:	8	Screen Diameter (in):	12
Date Completed:	01-JUL-62	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222776&_from=SUMMARY&_action=Details		

F39
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048336**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222766	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	100	Screen Length (ft):	20
Static Water Level:	9	Well depth (ft):	82
Owner:	STADLER PACKING CO INC.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	68.6
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	1
Hours Tested:	3	Screen Diameter (in):	8
Date Completed:	13-JUN-66	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222766&_from=SUMMARY&_action=Details		

F40
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048411**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222781	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	500	Screen Length (ft):	20
Static Water Level:	12	Well depth (ft):	92
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	72
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	4	Screen Diameter (in):	12
Date Completed:	29-APR-60	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222781&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F41
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048590**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222806	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	862	Screen Length (ft):	0
Static Water Level:	9	Well depth (ft):	124
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	10	Casing Length:	89
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	15
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	16-MAR-70	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222806&_from=SUMMARY&_action=Details		

F42
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048600**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222829	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	20
Static Water Level:	10.5	Well depth (ft):	84
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	64
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	8
Date Completed:	23-JUN-60	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222829&_from=SUMMARY&_action=Details		

F43
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048531**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222786	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	584	Screen Length (ft):	25
Static Water Level:	16	Well depth (ft):	88

Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	63
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	20
Hours Tested:	4	Screen Diameter (in):	12
Date Completed:	16-MAY-60	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222786&_from=SUMMARY&_action=Details		

F44
East
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048588**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222811	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	407	Screen Length (ft):	0
Static Water Level:	14	Well depth (ft):	125
Owner:	STADLER PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	10	Casing Length:	86.7
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	10
Hours Tested:	2	Screen Diameter (in):	0
Date Completed:	17-FEB-70	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222811&_from=SUMMARY&_action=Details		

G45
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048119**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216370	Aquifer Elevation (ft):	545
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	0	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	41
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	02-APR-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216370&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G46
NNW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011266**

Database:	Water Wells Database	iLITH ID:	88449
Agency ID:	216360	Elevation (ft):	623
Lithologic Total Depth:	80	Drilled Depth:	80
Static Water Depth:	16	Completion Date:	1981-06-04 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	80		

G47
NNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048176**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216360	Aquifer Elevation (ft):	543
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	1029	Screen Length (ft):	20
Static Water Level:	16	Well depth (ft):	80
Owner:	CUMMINS ENGINE CORP.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	16	Casing Length:	61
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	26
Hours Tested:	24	Screen Diameter (in):	16
Date Completed:	04-JUN-81	Ground Elevation:	623
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216360&_from=SUMMARY&_action=Details		

G48
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047835**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230976	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	18	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORPORATION		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	09-MAY-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230976&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G49
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047832**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230971	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	250	Screen Length (ft):	10
Static Water Level:	21	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORPORATION		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	55
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	37
Hours Tested:	0	Screen Diameter (in):	8
Date Completed:	23-JUN-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230971&_from=SUMMARY&_action=Details		

G50
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048063**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230966	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	328	Screen Length (ft):	30
Static Water Level:	21	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12.75	Casing Length:	35
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	34
Hours Tested:	6	Screen Diameter (in):	12
Date Completed:	24-JUN-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230966&_from=SUMMARY&_action=Details		

G51
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048196**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230981	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	18	Well depth (ft):	0

Owner:	CUMMINS ENGINE CORPORATION		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	19-MAY-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230981&_from=SUMMARY&_action=Details		

G52
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048067**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230986	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	09-MAY-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230986&_from=SUMMARY&_action=Details		

I53
WNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047905**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264942	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	65
Owner:	CUMMINS ENGINE COMPANY		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264942&_from=SUMMARY&_action=Details		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I54
WNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047846**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264896	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	75.5
Owner:	CUMM'S ENGINE CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	14-MAR-79	Ground Elevation:	626.4
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264896&_from=SUMMARY&_action=Details		

I55
WNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000047955**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264952	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	73
Owner:	CUMMINS ENGINE COMPANY		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264952&_from=SUMMARY&_action=Details		

I56
WNW
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048142**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264947	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	73

Owner:	CUMMINS ENGINE COMPANY		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	13-MAR-79	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264947&_from=SUMMARY&_action=Details		

I57
WNW **IN WELLS** **INDNR4000047957**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216380	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	79
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	17.5	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	626.4
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216380&_from=SUMMARY&_action=Details		

I58
WNW **IN WELLS** **INDNR4000047845**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	264957	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	75.9
Owner:	CUMMINS ENGINE CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264957&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F59
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048380**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222771	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	79
Pump Water Production (gal/min):	267	Screen Length (ft):	20
Static Water Level:	8	Well depth (ft):	84
Owner:	STADLER PACKING CO INC.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	84.5
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	5	Screen Diameter (in):	12
Date Completed:	28-JUL-65	Ground Elevation:	615
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222771&_from=SUMMARY&_action=Details		

F60
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011078**

Database:	Water Wells Database	iLITH ID:	92847
Agency ID:	222771	Elevation (ft):	615
Lithologic Total Depth:	124	Drilled Depth:	84
Static Water Depth:	8	Completion Date:	1965-07-28 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	79		

J61
NW
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011255**

Database:	Water Wells Database	iLITH ID:	88462
Agency ID:	216375	Elevation (ft):	625
Lithologic Total Depth:	78	Drilled Depth:	0
Static Water Depth:	0	Completion Date:	1981-04-09 00:00:00
Driller:	Reynolds Supply	Record Source:	IDNR
Bedrock Depth:	78		

K62
ENE
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011195**

Database:	Water Wells Database	iLITH ID:	92909
Agency ID:	222871	Elevation (ft):	0

Lithologic Total Depth:	85	Drilled Depth:	85
Static Water Depth:	4	Completion Date:	1946-04-01 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	85		

J63
NW **IN WELLS** **INDNR4000048046**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	216375	Aquifer Elevation (ft):	547
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	78
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	0	Well depth (ft):	0
Owner:	CUMMINS ENGINE CORP		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	78
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	09-APR-81	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216375&_from=SUMMARY&_action=Details		

K64
ENE **IN WELLS** **INDNR4000048455**
1/4 - 1/2 Mile
Lower

Database:	Water-Well Locations in Indiana		
Well Reference #:	222871	Aquifer Elevation (ft):	540
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	325	Screen Length (ft):	0
Static Water Level:	4	Well depth (ft):	85
Owner:	CUMMINS ENGINE CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-APR-46	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222871&_from=SUMMARY&_action=Details		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L65
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INDNR4000048639**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222801	Aquifer Elevation (ft):	526
Bailer Water Production (gal/min):	60	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	7.5	Well depth (ft):	84
Owner:	STADLER BROS PACKING CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	4.5	Hours Bailer Tested:	1
Casing Diameter:	12	Casing Length:	74
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	11.5
Date Completed:	17-APR-64	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222801&_from=SUMMARY&_action=Details		

L66
ESE
1/4 - 1/2 Mile
Lower

IN WELLS **INLIT2000011070**

Database:	Water Wells Database	iLITH ID:	92870
Agency ID:	222801	Elevation (ft):	610
Lithologic Total Depth:	84	Drilled Depth:	84
Static Water Depth:	7.5	Completion Date:	1964-04-17 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	84		

L67
ESE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048523**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222761	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	650	Screen Length (ft):	0
Static Water Level:	14	Well depth (ft):	135
Owner:	STADLER PACKING CO INC.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	93.9
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	24
Hours Tested:	8	Screen Diameter (in):	0
Date Completed:	02-DEC-73	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222761&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

68
WSW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048012**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216300	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	IND ST HWY COMM	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	0
Casing Length:	0	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	0	Date Completed:	01-JAN-47
Ground Elevation:	0	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216300&_from=SUMMARY&_action=Details		

M69
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048023**

Database:	Water-Well Locations in Indiana		
Well Reference #:	307338	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	0	Well depth (ft):	25
Owner:	CENTRAL TRANSPORT		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	15
Casing Material:	PVC	Depth to Grout:	0
Grout Method:	BENT	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=307338&_from=SUMMARY&_action=Details		

M70
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048062**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230937	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	800	Screen Length (ft):	40
Static Water Level:	5	Well depth (ft):	75
Owner:	SPRAY SAND AND GRAV CO		

PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	16	Casing Length:	75
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	16
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	10
Hours Tested:	6	Screen Diameter (in):	16
Date Completed:	16-DEC-81	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230937&_from=SUMMARY&_action=Details		

M71
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048073**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230961	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	17	Well depth (ft):	27
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	12	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	12-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230961&_from=SUMMARY&_action=Details		

M72
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048020**

Database:	Water-Well Locations in Indiana		
Well Reference #:	264901	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	62.5
Owner:	CUMMONS ENGINE COMPANY		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	13-MAR-79	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=264901&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M73
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047779**

Database:	Water-Well Locations in Indiana		
Well Reference #:	307337	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	0	Well depth (ft):	25
Owner:	CENTRAL TRANSPORT		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	15
Casing Material:	PVC	Depth to Grout:	0
Grout Method:	BENT	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=307337&_from=SUMMARY&_action=Details		

M74
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047848**

Database:	Water-Well Locations in Indiana		
Well Reference #:	317355	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	10	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	130
Owner:	THOMPSON DAIRY	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	8
Casing Length:	0	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	0	Date Completed:	Not Reported
Ground Elevation:	0	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=317355&_from=SUMMARY&_action=Details		

M75
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047907**

Database:	Water-Well Locations in Indiana		
Well Reference #:	307336	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	0	Well depth (ft):	25
Owner:	CENTRAL TRANSPORT		

PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	15
Casing Material:	PVC	Depth to Grout:	0
Grout Method:	BENT	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=307336&_from=SUMMARY&_action=Details		

M76
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048195**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230941	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	10.1	Well depth (ft):	20.5
Owner:	CUMMINS	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	5.5	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	07-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230941&_from=SUMMARY&_action=Details		

M77
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048199**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230956	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	16.5	Well depth (ft):	28
Owner:	CUMMINS	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	13	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	08-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230956&_from=SUMMARY&_action=Details		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M78
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048206**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230936	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	8.5	Well depth (ft):	23.3
Owner:	CUMMINS	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	8.3	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	06-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230936&_from=SUMMARY&_action=Details		

M79
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048137**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230931	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	18.1	Well depth (ft):	33
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	18	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	3	Date Completed:	02-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230931&_from=SUMMARY&_action=Details		

M80
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048126**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230946	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	11.3	Well depth (ft):	23
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0

Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	8	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	12-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230946&_from=SUMMARY&_action=Details		

M81
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048128**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230951	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	11	Well depth (ft):	23.5
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	8.5	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	07-MAY-86
Ground Elevation:	0	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230951&_from=SUMMARY&_action=Details		

M82
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048134**

Database:	Water-Well Locations in Indiana		
Well Reference #:	230991	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	CUMMINS ENGINE CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	07-MAY-83	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=230991&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

83
WNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048125**

Database:	Water-Well Locations in Indiana		
Well Reference #:	44863	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	3
Static Water Level:	0	Well depth (ft):	18
Owner:	CUMMINS ENGINE CO INC		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	2	Casing Length:	15
Casing Material:	PVC	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	2
Date Completed:	04-OCT-93	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=44863&_from=SUMMARY&_action=Details		

N84
ENE
1/2 - 1 Mile
Lower

IN WELLS **INLIT2000011210**

Database:	Water Wells Database	iLITH ID:	92895
Agency ID:	222846	Elevation (ft):	625
Lithologic Total Depth:	33	Drilled Depth:	33
Static Water Depth:	19.7	Completion Date:	1986-05-09 00:00:00
Driller:	ATEC Associates - Inc.	Record Source:	IDNR
Bedrock Depth:	0		

N85
ENE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048696**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222846	Aquifer Elevation (ft):	592
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	19.7	Well depth (ft):	33
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	18	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	09-MAY-86
Ground Elevation:	625	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222846&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O86
East
1/2 - 1 Mile
Higher

IN WELLS **INLIT2000011160**

Database:	Water Wells Database	iLITH ID:	92892
Agency ID:	222841	Elevation (ft):	630
Lithologic Total Depth:	23	Drilled Depth:	23.5
Static Water Depth:	9	Completion Date:	1986-05-09 00:00:00
Driller:	ATEC Associates - Inc.	Record Source:	IDNR
Bedrock Depth:	0		

87
SSW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048130**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216315	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	8	Well depth (ft):	69
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JUN-40	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216315&_from=SUMMARY&_action=Details		

O88
East
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048565**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222841	Aquifer Elevation (ft):	607
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	9	Well depth (ft):	23.5
Owner:	CUMMINS	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	8.5	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	09-MAY-86
Ground Elevation:	630	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222841&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

P89
ENE
1/2 - 1 Mile
Higher

IN WELLS **INLIT2000011181**

Database:	Water Wells Database	iLITH ID:	92890
Agency ID:	222836	Elevation (ft):	628
Lithologic Total Depth:	33.5	Drilled Depth:	33.5
Static Water Depth:	18.8	Completion Date:	1986-05-03 00:00:00
Driller:	ATEC Associates - Inc.	Record Source:	IDNR
Bedrock Depth:	0		

P90
ENE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048315**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222836	Aquifer Elevation (ft):	594.5
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	18.8	Well depth (ft):	33.5
Owner:	CUMMINS ENGINE	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	2
Casing Length:	18.5	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	2	Date Completed:	03-MAY-86
Ground Elevation:	628	Pump Type:	O
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222836&_from=SUMMARY&_action=Details		

N91
ENE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048562**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222861	Aquifer Elevation (ft):	535
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	22	Screen Length (ft):	0
Static Water Level:	22	Well depth (ft):	90
Owner:	REEVES PULLEY CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	6
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	06-MAY-55	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222861&_from=SUMMARY&_action=Details		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
92 **South** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000048545**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216389	Aquifer Elevation (ft):	546
Bailer Water Production (gal/min):	50	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	10
Static Water Level:	2.67	Well depth (ft):	64
Owner:	GRIFFIN INDUSTRIES, INC		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	1	Hours Bailer Tested:	2
Casing Diameter:	6	Casing Length:	54
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	6
Date Completed:	22-FEB-71	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216389&_from=SUMMARY&_action=Details		

	Database	EDR ID Number
Q93 **South** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000048264**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216384	Aquifer Elevation (ft):	565
Bailer Water Production (gal/min):	60	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	15
Static Water Level:	15	Well depth (ft):	45
Owner:	GRIFFIN INDUSTRIES		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	31
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	19-SEP-78	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216384&_from=SUMMARY&_action=Details		

	Database	EDR ID Number
Q94 **South** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000048610**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216379	Aquifer Elevation (ft):	550
Bailer Water Production (gal/min):	60	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	7.75
Static Water Level:	15	Well depth (ft):	60

Owner:	GRIFFIN INDUSTRIES		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	10	Casing Length:	54
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	29-AUG-78	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216379&_from=SUMMARY&_action=Details		

Q95
South
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048638**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216394	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	24	Depth to Bedrock (ft):	102
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	17	Well depth (ft):	125
Owner:	GRIFFIN INDUSTRIES		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	4	Casing Length:	103.5
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	20-MAR-81	Ground Elevation:	611
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216394&_from=SUMMARY&_action=Details		

Q96
South
1/2 - 1 Mile
Lower

IN WELLS **INLIT2000010917**

Database:	Water Wells Database	iLITH ID:	88472
Agency ID:	216394	Elevation (ft):	611
Lithologic Total Depth:	125	Drilled Depth:	125
Static Water Depth:	17	Completion Date:	1981-03-20 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	102		

97
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000306493**

Organization ID:	USGS-IN	Organization Name:	USGS Indiana Water Science Center
Monitor Location:	RASA - IGS PETROLEUM FILE WELL 60		
Type:	Well		

Description:	DATA SOURCE: IGS PETROLEUM FILES 9/89		
HUC:	05120205	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Confined multiple aquifer
Construction Date:	19480000	Well Depth:	1110
Well Depth Units:	ft	Well Hole Depth:	1110
Well Hole Depth Units:	ft		

98
East
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048434**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222851	Aquifer Elevation (ft):	535
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	1071	Screen Length (ft):	20
Static Water Level:	18	Well depth (ft):	85
Owner:	CUMMINS ENGINE CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	68
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	25
Hours Tested:	4	Screen Diameter (in):	11.63
Date Completed:	22-AUG-67	Ground Elevation:	620
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222851&_from=SUMMARY&_action=Details		

Q99
South
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048363**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216374	Aquifer Elevation (ft):	552
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	155	Screen Length (ft):	7
Static Water Level:	15	Well depth (ft):	58
Owner:	COLUMBUS REDUCTION CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	50.58
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	10
Hours Tested:	6	Screen Diameter (in):	5.5
Date Completed:	22-JUN-67	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216374&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
R100 **NNW** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INLIT2000011422**

Database:	Water Wells Database	iLITH ID:	88434
Agency ID:	216335	Elevation (ft):	625
Lithologic Total Depth:	53	Drilled Depth:	53
Static Water Depth:	16	Completion Date:	1960-04-21 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	0		

Q101 **South** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INLIT2000010895**

Database:	Water Wells Database	iLITH ID:	88461
Agency ID:	216374	Elevation (ft):	610
Lithologic Total Depth:	58	Drilled Depth:	58
Static Water Depth:	15	Completion Date:	1967-06-22 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	0		

R102 **NNW** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000048170**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216335	Aquifer Elevation (ft):	572
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	50	Screen Length (ft):	10
Static Water Level:	16	Well depth (ft):	53
Owner:	COCA COLA BOTTLING PLANT		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	44
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	17
Hours Tested:	3	Screen Diameter (in):	8
Date Completed:	21-APR-60	Ground Elevation:	625
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216335&_from=SUMMARY&_action=Details		

S103 **SW** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000047803**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216354	Aquifer Elevation (ft):	586

Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	25	Screen Length (ft):	12
Static Water Level:	13	Well depth (ft):	28
Owner:	JOHN WISCHMEIER	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	6
Casing Length:	16	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	1	Hours Tested:	3
Screen Diameter (in):	6	Date Completed:	16-MAR-88
Ground Elevation:	614	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216354&_from=SUMMARY&_action=Details		

S104
SW
1/2 - 1 Mile
Lower

IN WELLS **INLIT2000010986**

Database:	Water Wells Database	iLITH ID:	88443
Agency ID:	216354	Elevation (ft):	614
Lithologic Total Depth:	28	Drilled Depth:	28
Static Water Depth:	13	Completion Date:	1988-03-16 00:00:00
Driller:	Rose - Henry - & Son	Record Source:	IDNR
Bedrock Depth:	0		

105
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048605**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222826	Aquifer Elevation (ft):	550
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	930	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	80
Owner:	MORGAN PACKING CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	10	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	30
Hours Tested:	8	Screen Diameter (in):	0
Date Completed:	01-JAN-36	Ground Elevation:	630
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222826&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T106
NE
1/2 - 1 Mile
Higher

IN WELLS **INLIT2000011323**

Database:	Water Wells Database	iLITH ID:	92887
Agency ID:	222831	Elevation (ft):	630
Lithologic Total Depth:	92	Drilled Depth:	0
Static Water Depth:	0	Completion Date:	1979-08-09 00:00:00
Driller:	Layne - Northern Co (Mishawaka)		
Record Source:	IDNR	Bedrock Depth:	88

U107
ESE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048297**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222816	Aquifer Elevation (ft):	580
Bailer Water Production (gal/min):	20	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	2
Static Water Level:	25	Well depth (ft):	45
Owner:	BENZOL CO INC.	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	1	Casing Diameter:	4
Casing Length:	43	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	3.75	Date Completed:	10-AUG-64
Ground Elevation:	625	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222816&_from=SUMMARY&_action=Details		

U108
ESE
1/2 - 1 Mile
Higher

IN WELLS **INLIT2000011048**

Database:	Water Wells Database	iLITH ID:	92880
Agency ID:	222816	Elevation (ft):	625
Lithologic Total Depth:	45	Drilled Depth:	45
Static Water Depth:	25	Completion Date:	1964-08-10 00:00:00
Driller:	Fox - Harry H. - & Sons	Record Source:	IDNR
Bedrock Depth:	0		

T109
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048317**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222831	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	88

Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	GOLDEN FOUNDRY	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	12.5
Casing Length:	0	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	11.5	Date Completed:	09-AUG-79
Ground Elevation:	630	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222831&_from=SUMMARY&_action=Details		

T110
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048354**

Database:	Water-Well Locations in Indiana		
Well Reference #:	318431	Aquifer Elevation (ft):	539
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	25.8
Static Water Level:	19	Well depth (ft):	0
Owner:	GOLDEN FOUNDRY	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	12.5
Casing Length:	65.2	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	DRILLING MUD
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	11.5	Date Completed:	09-AUG-79
Ground Elevation:	630	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=318431&_from=SUMMARY&_action=Details		

V111
SW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048162**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216369	Aquifer Elevation (ft):	562
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	20	Screen Length (ft):	2
Static Water Level:	16	Well depth (ft):	49
Owner:	R&R RENTAL INC.	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	4
Casing Length:	47	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	1
Screen Diameter (in):	4	Date Completed:	08-FEB-80
Ground Elevation:	611	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216369&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

V112
SW
1/2 - 1 Mile
Lower

IN WELLS **INLIT2000010967**

Database:	Water Wells Database	iLITH ID:	88457
Agency ID:	216369	Elevation (ft):	611
Lithologic Total Depth:	49	Drilled Depth:	49
Static Water Depth:	16	Completion Date:	1980-02-08 00:00:00
Driller:	Critzer Drilling Co.	Record Source:	IDNR
Bedrock Depth:	0		

W113
WNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047894**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216400	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	35
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	07-JUN-40	Ground Elevation:	611
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216400&_from=SUMMARY&_action=Details		

W114
WNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047952**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216395	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	35
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JUN-40	Ground Elevation:	611
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216395&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

115
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048442**

Database:	Water-Well Locations in Indiana		
Well Reference #:	318463	Aquifer Elevation (ft):	527
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	103
Owner:	MORGAN PACKING CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	10	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JAN-37	Ground Elevation:	630
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=318463&_from=SUMMARY&_action=Details		

T116
NE
1/2 - 1 Mile
Higher

IN WELLS **INLIT2000011359**

Database:	Water Wells Database	iLITH ID:	92901
Agency ID:	222856	Elevation (ft):	630
Lithologic Total Depth:	93.5	Drilled Depth:	93.6
Static Water Depth:	22	Completion Date:	1966-09-13 00:00:00
Driller:	Diehl Pump & Supply	Record Source:	IDNR
Bedrock Depth:	0		

T117
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048431**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222856	Aquifer Elevation (ft):	537
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	681	Screen Length (ft):	20
Static Water Level:	22	Well depth (ft):	93.6
Owner:	GOLDEN FOUNDRY CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	12	Casing Length:	93.6
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	11
Hours Tested:	5	Screen Diameter (in):	12
Date Completed:	13-SEP-66	Ground Elevation:	630
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222856&_from=SUMMARY&_action=Details		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

118
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048568**

Database:	Water-Well Locations in Indiana		
Well Reference #:	318462	Aquifer Elevation (ft):	530
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	100
Owner:	GOLDEN FOUNDRY CO		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	8	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	630
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=318462&_from=SUMMARY&_action=Details		

119
NNW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000047893**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216320	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	3	Well depth (ft):	96
Owner:	RELIANCE MFG CO	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	5
Casing Length:	0	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	0
Screen Diameter (in):	0	Date Completed:	Not Reported
Ground Elevation:	0	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216320&_from=SUMMARY&_action=Details		

120
NE
1/2 - 1 Mile
Higher

IN WELLS **INDNR4000048498**

Database:	Water-Well Locations in Indiana		
Well Reference #:	318464	Aquifer Elevation (ft):	530
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	100
Owner:	GOLDEN FOUNDRY CO		

PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	6	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	630
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=318464&_from=SUMMARY&_action=Details		

X121
SW
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048167**

Database:	Water-Well Locations in Indiana		
Well Reference #:	216364	Aquifer Elevation (ft):	569
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	20	Screen Length (ft):	2
Static Water Level:	24	Well depth (ft):	42
Owner:	R&R RENTAL INC.	PLSS Survey Reserve #:	0
PLSS Reserve Name:	Not Reported	Drawdown after Bailer:	0
Hours Bailer Tested:	0	Casing Diameter:	6
Casing Length:	40	Casing Material:	Not Reported
Depth to Grout:	0	Grout Method:	Not Reported
Liner Diameter (in):	0	Depth of Pump Setting:	0
Pump Test Drawdown (ft):	0	Hours Tested:	1
Screen Diameter (in):	6	Date Completed:	28-JUN-80
Ground Elevation:	611	Pump Type:	Not Reported
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=216364&_from=SUMMARY&_action=Details		

X122
SW
1/2 - 1 Mile
Lower

IN WELLS **INLIT2000010923**

Database:	Water Wells Database	iLITH ID:	88453
Agency ID:	216364	Elevation (ft):	611
Lithologic Total Depth:	42	Drilled Depth:	42
Static Water Depth:	24	Completion Date:	1980-06-28 00:00:00
Driller:	Critzer Drilling Co.	Record Source:	IDNR
Bedrock Depth:	0		

Y123
ESE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048272**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222869	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	69
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	8	Well depth (ft):	69

Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	01-JAN-40	Ground Elevation:	610
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222869&_from=SUMMARY&_action=Details		

Y124
ESE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048536**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222844	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	20	Screen Length (ft):	2
Static Water Level:	22	Well depth (ft):	53
Owner:	SPICER VAULT CO.		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	4	Casing Length:	52
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	1.5	Screen Diameter (in):	4
Date Completed:	10-NOV-71	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222844&_from=SUMMARY&_action=Details		

Z125
ENE
1/2 - 1 Mile
Lower

IN WELLS **INDNR4000048265**

Database:	Water-Well Locations in Indiana		
Well Reference #:	231041	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	80
Owner:	ARVIN INDUSTRIES		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	09-DEC-88	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=231041&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Z126 **ENE** **1/2 - 1 Mile** **Lower**	**IN WELLS**	**INDNR4000048465**

Database:	Water-Well Locations in Indiana		
Well Reference #:	222821	Aquifer Elevation (ft):	0
Bailer Water Production (gal/min):	0	Depth to Bedrock (ft):	0
Pump Water Production (gal/min):	0	Screen Length (ft):	0
Static Water Level:	0	Well depth (ft):	0
Owner:	CITY OF COLUMBUS		
PLSS Survey Reserve #:	0	PLSS Reserve Name:	Not Reported
Drawdown after Bailer:	0	Hours Bailer Tested:	0
Casing Diameter:	0	Casing Length:	0
Casing Material:	Not Reported	Depth to Grout:	0
Grout Method:	Not Reported	Liner Diameter (in):	0
Depth of Pump Setting:	0	Pump Test Drawdown (ft):	0
Hours Tested:	0	Screen Diameter (in):	0
Date Completed:	Not Reported	Ground Elevation:	0
Pump Type:	Not Reported		
Report URL:	https://secure.in.gov/apps/dnr/water/dnr_waterwell?refNo=222821&_from=SUMMARY&_action=Details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: IN Radon

Radon Test Results

Zipcode	Year	Test Type	Location	Result
47201	1996	Post-Mitigation	Other	1.5
47201	1996	Post-Mitigation	Other	0.5
47201	1996	Post-Mitigation	Other	0.8
47201	1994	Short Term	Other	0.5
47201	1994	Short Term	Other	0.3
47201	1994	Short Term	Other	6.5
47201	1994	Short Term	Other	3.9
47201	1994	Short Term	Other	4.7
47201	1994	Short Term	Other	1.9
47201	1994	Short Term	Other	8.5
47201	1994	Short Term	Other	4.5
47201	1994	Short Term	Other	2.1
47201	0	Unknown	Other	1.7
47201	1997	Short Term	Basement	3.1
47201	1997	Short Term	Basement	2.8
47201	1997	Short Term	Basement	1.3
47201	1997	Short Term	1st Floor	1.1
47201	1997	Short Term	Basement	4.0
47201	1997	Short Term	1st Floor	1.0
47201	1997	Short Term	Basement	4.8
47201	1997	Short Term	Basement	9.3
47201	1997	Short Term	1st Floor	1.6
47201	1997	Short Term	Basement	3.1
47201	0	Unknown	Other	13.1
47201	0	Unknown	Other	7.3
47201	0	Unknown	Other	9.7
47201	1997	Long Term	1st Floor	2.1
47201	1999	Long Term	Basement	3.2
47201	1999	Long Term	Basement	7.4
47201	2000	Long Term	Basement	0.5
47201	2000	Long Term	Other	1.9
47201	2000	Short Term	Other	3.8
47201	2000	Short Term	Other	5.4
47201	1997	Short Term	Basement	4.9
47201	1997	Post-Mitigation	Basement	1.0
47201	1997	Post-Mitigation	Basement	2.4
47201	1997	Short Term	Basement	7.2
47201	1997	Short Term	Basement	13.3
47201	1997	Post-Mitigation	Basement	0.8
47201	1997	Short Term	Basement	11.2
47201	1997	Short Term	Basement	87.1
47201	1997	Post-Mitigation	Basement	1.7
47201	1994	Short Term	Other	0.6
47201	1994	Short Term	Other	2.6
47201	1995	Unknown	Other	4.0
47201	1995	Unknown	Other	0.7
47201				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

	0	Short Term	Basement	8.0
47201	0	Short Term	Basement	8.0
47201	0	Short Term	Other	10.9
47201	0	Short Term	Other	10.9
47201	0	Short Term	Basement	8.7
47201	0	Short Term	Basement	6.3
47201	0	Short Term	Basement	9.7
47201	2000	Short Term	Basement	8.8
47201	2000	Short Term	Basement	5.0
47201	2000	Short Term	Basement	1.6
47201	2000	Short Term	Basement	1.8
47201	1997	Short Term	Basement	3.1
47201	1997	Short Term	Basement	1.0
47201	2000	Short Term	Basement	0.5
47201	2000	Short Term	Basement	1.4
47201	2000	Short Term	Basement	0.6
47201	2000	Short Term	Basement	1.4
47201	2000	Short Term	Basement	1.2
47201	1996	Short Term	Other	0.9
47201	1996	Post-Mitigation	Other	2.2
47201	1996	Short Term	Other	1.0
47201	1996	Short Term	Other	4.9
47201	1996	Short Term	Other	1.0
47201	1996	Short Term	Other	10.7
47201	1996	Short Term	Other	2.0
47201	1998	Short Term	Other	3.3
47201	2000	Post-Mitigation	Basement	0.8
47201	2000	Short Term	Basement	2.6
47201	2004	Short Term	Basement	6.5
47201	2001	Short Term	1st Floor	6.6
47201	2001	Short Term	1st Floor	3.0
47201	2001	Short Term	Basement	1.5
47201	2001	Short Term	Basement	10.4
47201	2001	Short Term	1st Floor	5.8
47201	2001	Post-Mitigation	Basement	0.9
47201	2001	Post-Mitigation	Basement	1.0
47201	2001	Short Term	Basement	2.9
47201	2000	Post-Mitigation	1st Floor	1.0
47201	2000	Post-Mitigation	1st Floor	1.0
47201	2000	Short Term	1st Floor	1.0
47201	2000	Post-Mitigation	Basement	0.2
47201	2000	Short Term	Basement	UNK
47201	2000	Post-Mitigation	Basement	1.6
47201	2000	Short Term	Basement	1.7
47201	2000	Post-Mitigation	Basement	1.0
47201	2000	Short Term	Basement	6.9
47201	2000	Short Term	Basement	6.9
47201	2000	Short Term	Basement	2.5
47201	2000	Short Term	Basement	2.4
47201	2002	0	Basement	1.7
47201	2002	0	Basement	3.6
47201	2002	0	Basement	2.4
47201	2001	Short Term	Basement	8.5
47201	2000	Short Term	0	3.2
47201	2000	Short Term	0	1.4
47201	2000	Short Term	0	1.4
47201				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

	2000	Short Term	1st Floor	0.6
47201	2000	Short Term	1st Floor	0.5
47201	1994	Short Term	Other	7.7
47201	2000	Short Term	Other	7.0
47201	1999	Short Term	Other	7.6
47201	1996	Short Term	Other	7.4
47201	2004	Long Term	Basement	3.3
47201	0	Unknown	Other	13.1
47201	1994	Post-Mitigation	Other	1.1
47201	1997	Post-Mitigation	Basement	0.8
47201	1997	Post-Mitigation	Basement	1.8
47201	2001	Post-Mitigation	Basement	2.8
47201	2000	Post-Mitigation	1st Floor	1.0
47201	2000	Post-Mitigation	Basement	1.5
47201	2000	Short Term	Basement	1.5
47201	1994	Short Term	Other	5.1
47201	1997	Short Term	Basement	5.0
47201	1997	Short Term	Basement	5.2
47201	1997	Short Term	Basement	1.0
47201	1997	Short Term	Basement	2.1
47201	1997	Short Term	1st Floor	0.6
47201	0	Short Term	Other	8.7
47201	2000	Short Term	Basement	1.3
47201	2000	Short Term	Basement	3.2
47201	1996	Short Term	Other	3.1
47201	1996	Short Term	Other	2.7
47201	2001	Short Term	Basement	4.2
47201	2001	Short Term	Basement	7.1
47201	2000	Short Term	Basement	1.8
47201	2001	Short Term	1st Floor	1.4
47201	2000	Short Term	0	1.2

Federal EPA Radon Zone for BARTHOLOMEW County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 47201

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.500 pCi/L	83%	17%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	8.600 pCi/L	14%	86%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

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

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water Supply Wells
Source: Department of Environmental Management
Telephone: 317-308-3323
Community and non-community drinking water wells.

Observation Wells Database
Source: Indiana Geological Survey
Telephone: 812-855-7636
Water Wells for Monitoring Ground Water in Indiana

Public Water Supply Wells
Source: Department of Environmental Management
Telephone: 317-308-3323
Community and non-community drinking water wells.

Water Wells Database
Source: Indiana Geological Survey
Telephone: 812-855-76
Shows data points that represent water wells contained in the Lithologic database, which is derived from the water well database of the Indiana Department of Natural Resources.

OTHER STATE DATABASE INFORMATION

RADON

State Database: IN Radon
Source: Department of Health
Telephone: 317-233-7148
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

Appendix D -

Historical Research

JT0460.710.0002

315 Franklin Avenue and 440 Third Street

Columbus, IN 47201

Inquiry Number: 5567164.3

February 20, 2019

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

02/20/19

Site Name:

JT0460.710.0002
315 Franklin Avenue and 440 T
Columbus, IN 47201
EDR Inquiry # 5567164.3

Client Name:

August Mack Environmental, Inc
1302 N. Meridian St.
Indianapolis, IN 46204
Contact: Elyse Baron

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by August Mack Environmental, Inc were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 8742-4286-A157

PO # NA

Project JT0460.710.002

Maps Provided:

1959 1886
1947
1927
1912
1906
1898
1892
1890

Sanborn® Library search results

Certification #: 8742-4286-A157

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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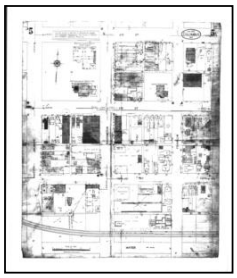
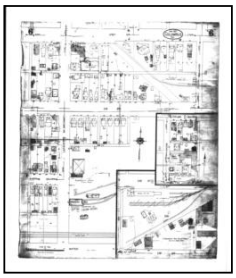
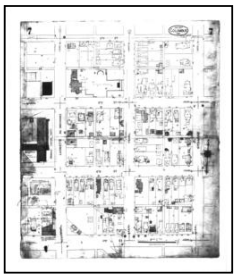
Sanborn Sheet Key

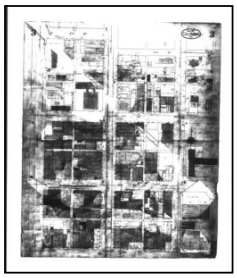
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1959 Source Sheets


Volume 1, Sheet 5
1959

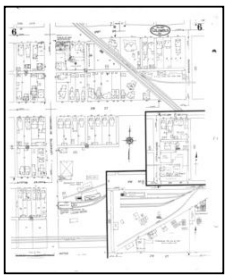

Volume 1, Sheet 6
1959


Volume 1, Sheet 7
1959


Volume 1, Sheet 3
1959

1947 Source Sheets


Volume 1, Sheet 3
1947


Volume 1, Sheet 6
1947


Volume 1, Sheet 7
1947


Volume 1, Sheet 5
1947

1927 Source Sheets


Volume 1, Sheet 3
1927


Volume 1, Sheet 5
1927

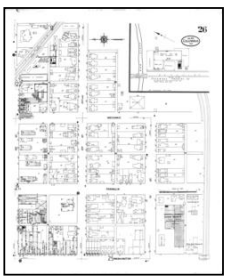

Volume 1, Sheet 6
1927


Volume 1, Sheet 7
1927

1912 Source Sheets


Volume 1, Sheet 21
1912


Volume 1, Sheet 22
1912


Volume 1, Sheet 26
1912

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1906 Source Sheets

Volume 1, Sheet 19
1906

Volume 1, Sheet 20
1906

Volume 1, Sheet 24
1906

1898 Source Sheets

Volume 1, Sheet 3
1898

Volume 1, Sheet 5
1898

Volume 1, Sheet 6
1898

1892 Source Sheets

Volume 1, Sheet 5
1892

Volume 1, Sheet 6
1892

Volume 1, Sheet 9
1892

1890 Source Sheets

Volume 1, Sheet 5
1890

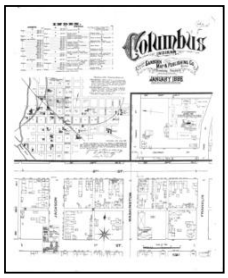
Volume 1, Sheet 6
1890

Volume 1, Sheet 9
1890

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1886 Source Sheets



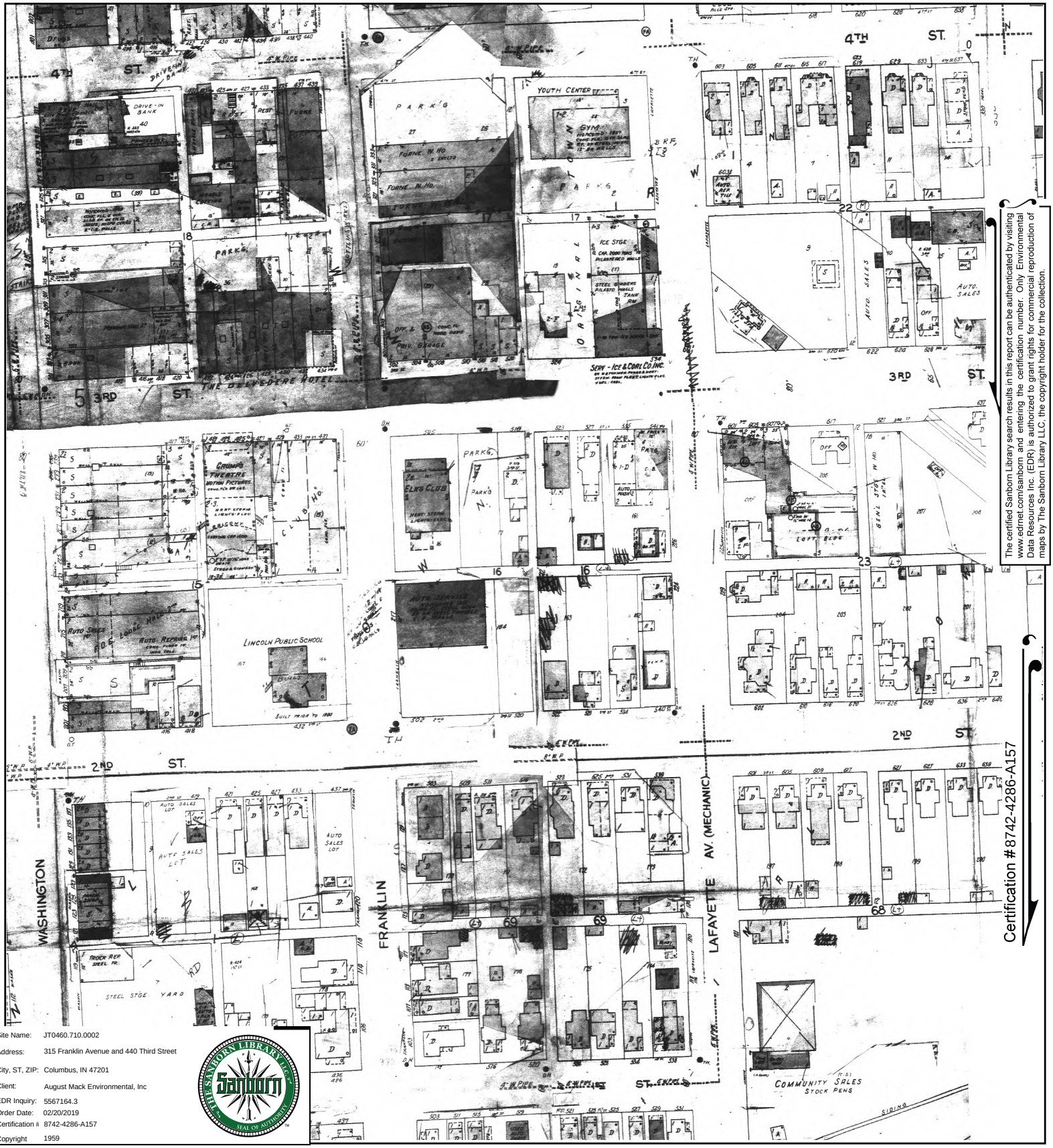
Volume 1, Sheet Keymap/Sheet1
1886

Volume 1, Sheet 5
1886

Volume 1, Sheet 6
1886

Certified Sanborn® Map

1959



Certification #8742-4286-A157

Site Name:	JT0460.710.0002
Address:	315 Franklin Avenue and 440 Third Street
City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
Copyright	1959

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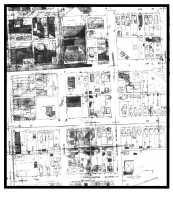

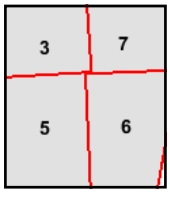

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Volume 1, Sheet 7
Volume 1, Sheet 6
Volume 1, Sheet 5

0 Feet 150 300 600

N

Certified Sanborn® Map

1947

Certification #8742-4286-A157

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EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
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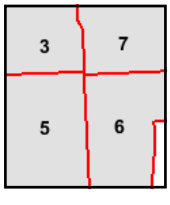

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Volume 1, Sheet 7
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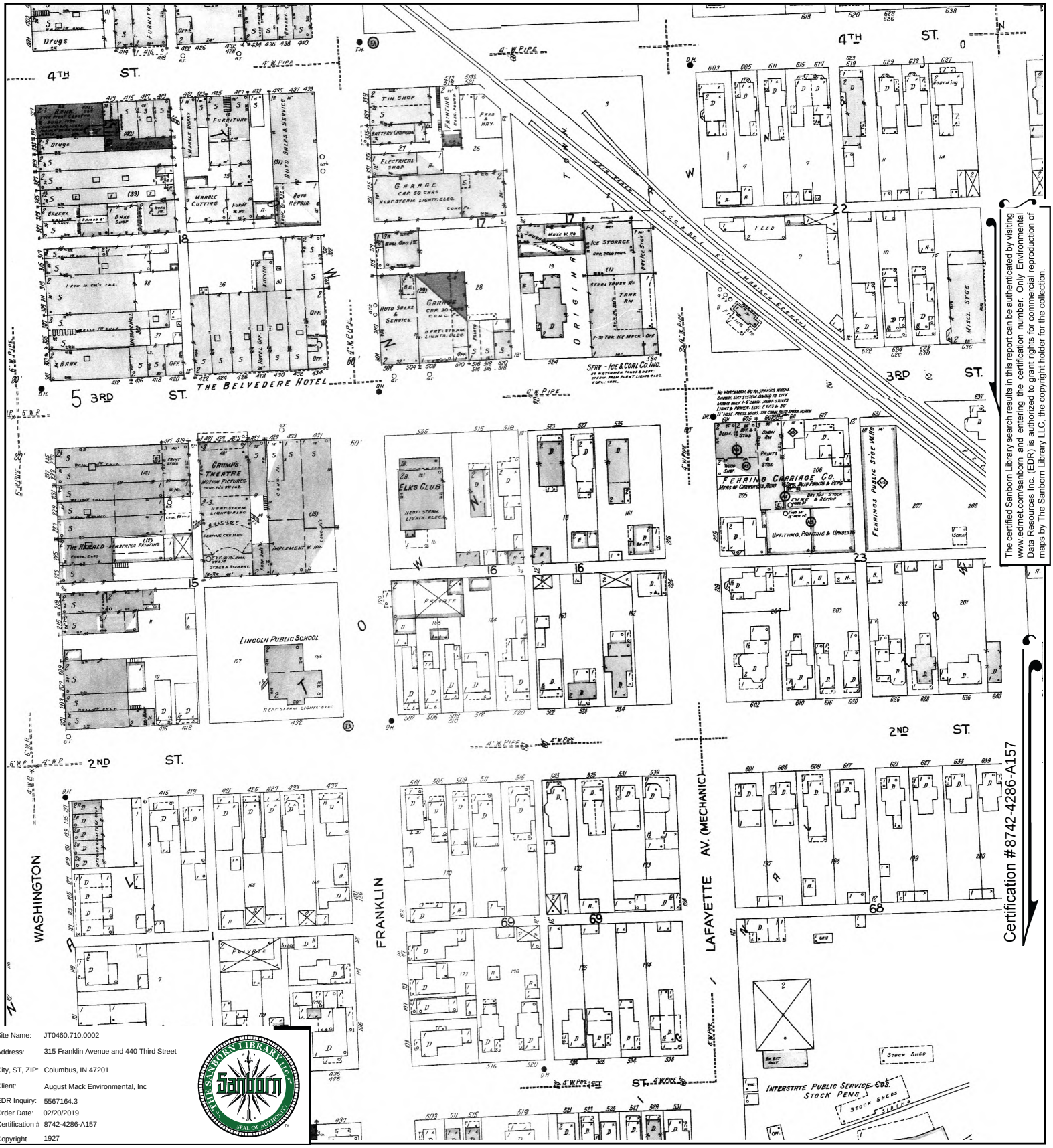
N



Site Name:	JT0460.710.0002
Address:	315 Franklin Avenue and 440 Third Street
City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
Copyright	1927

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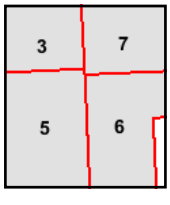

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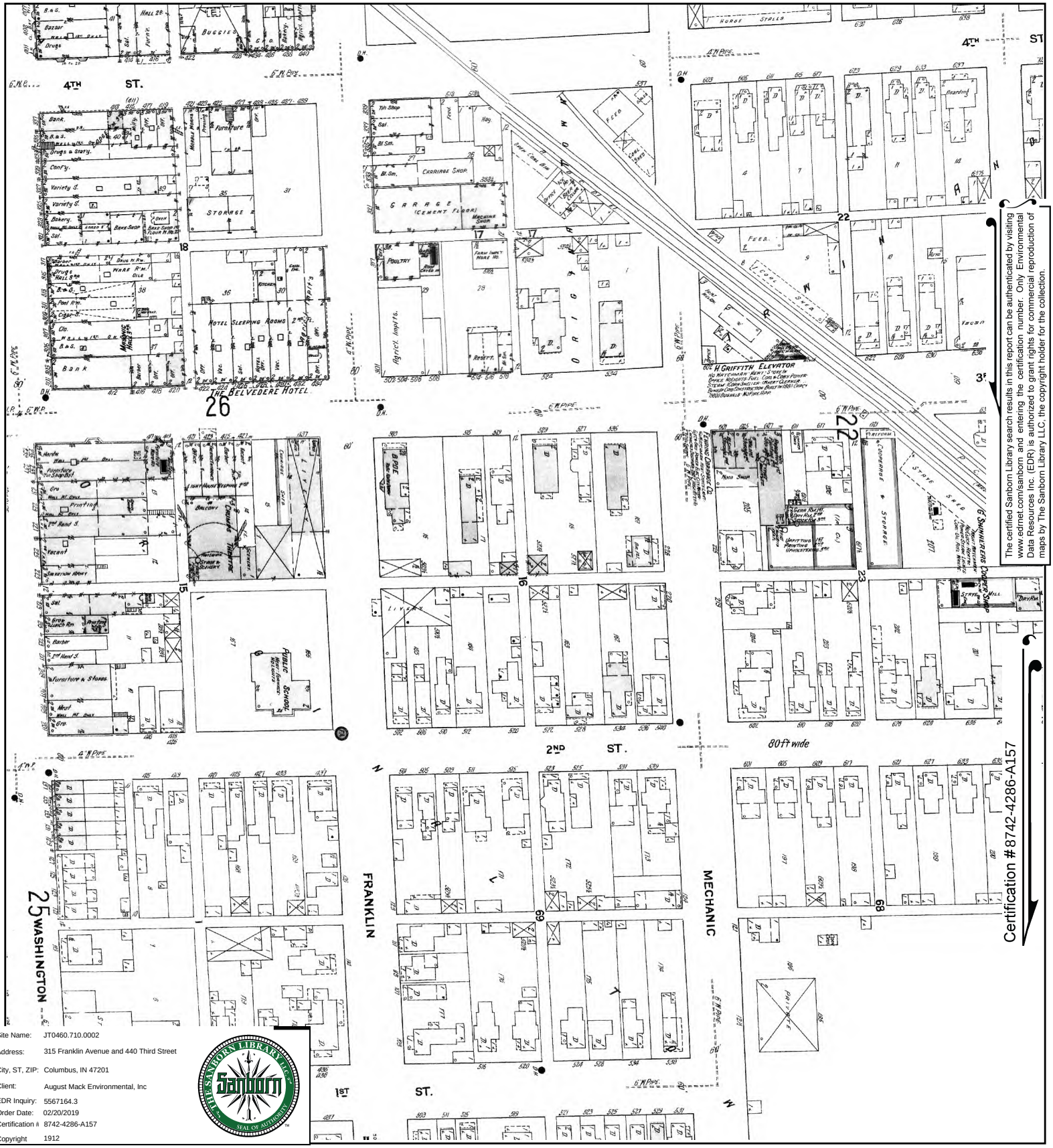
Volume 1, Sheet 6
Volume 1, Sheet 5
Volume 1, Sheet 3

0 Feet 150 300 600

N

Certified Sanborn® Map

1912



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Address:	315 Franklin Avenue and 440 Third Street
City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
Copyright	1912

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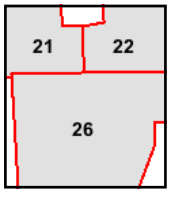

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Volume 1, Sheet 21

0 Feet 150 300 600

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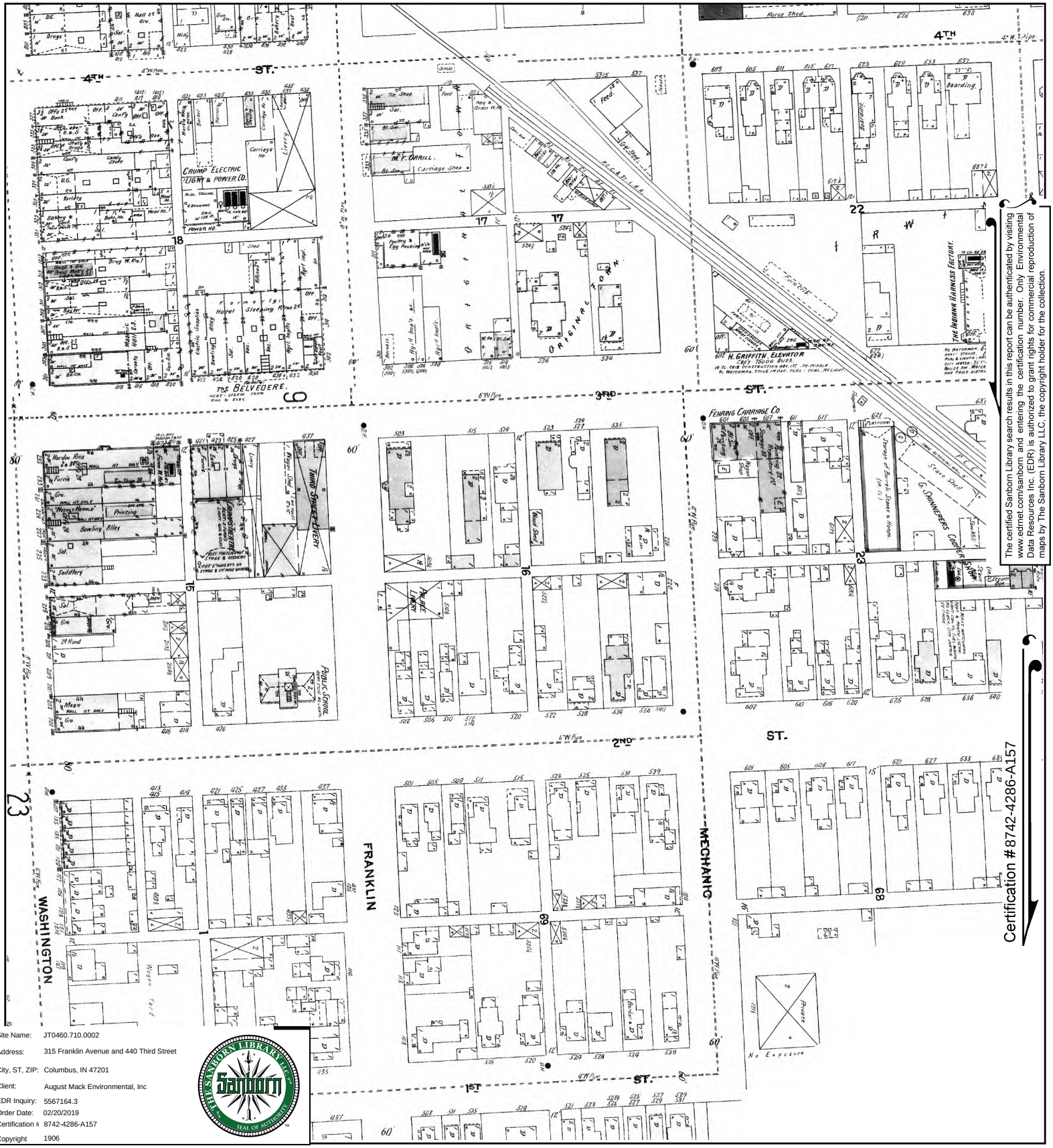

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City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
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Copyright	1906

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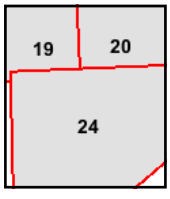

Volume 1, Sheet 24
Volume 1, Sheet 20
Volume 1, Sheet 19

0 Feet 150 300 600

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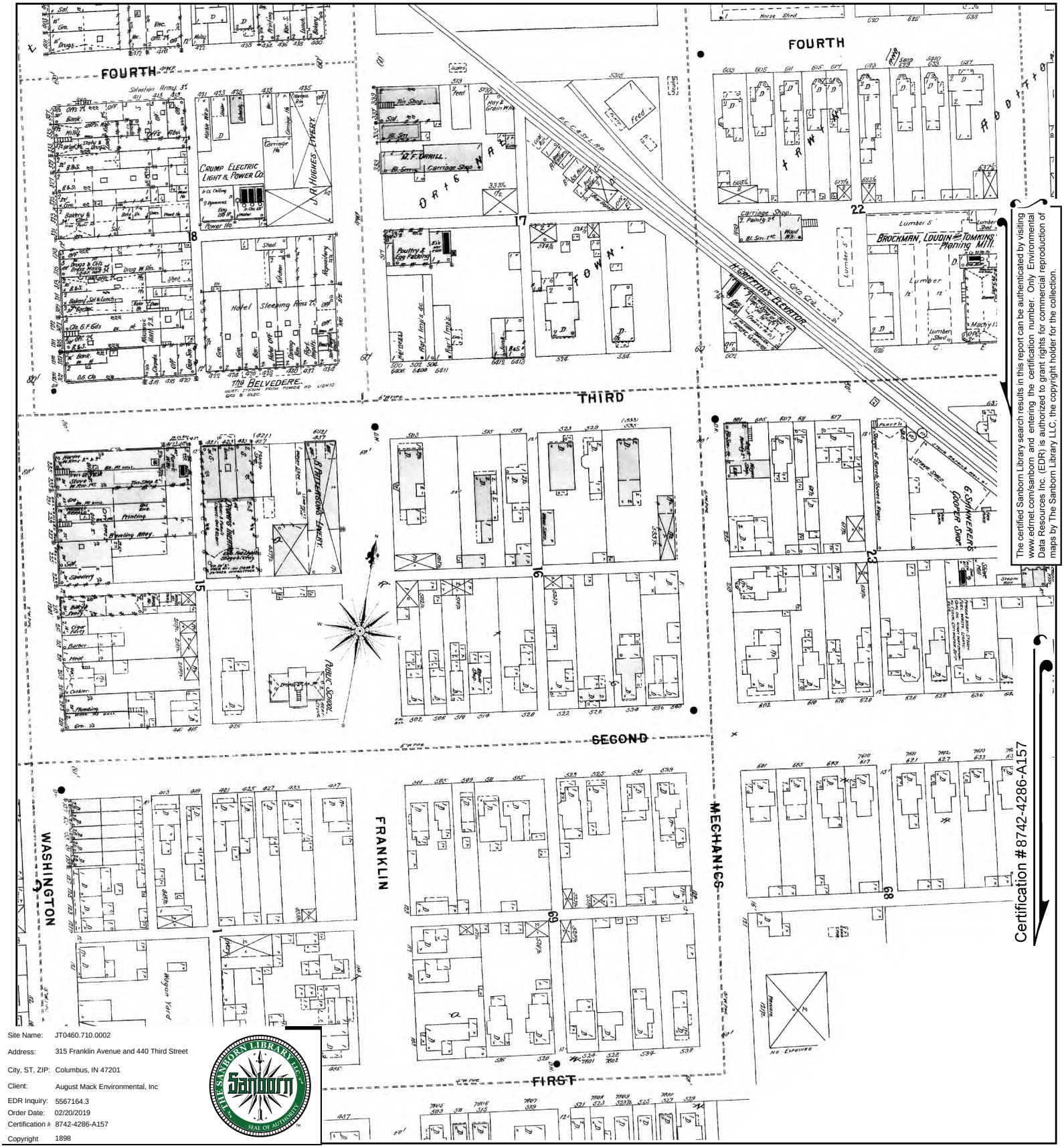

Certification #8742-4286-A157

Site Name:	JT0460.710.0002
Address:	315 Franklin Avenue and 440 Third Street
City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
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Certification #:	8742-4286-A157
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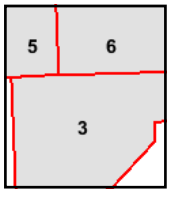

Volume 1, Sheet 6
Volume 1, Sheet 5
Volume 1, Sheet 3

N

Certification #8742-4286-A157

Site Name:	JT0460.710.0002
Address:	315 Franklin Avenue and 440 Third Street
City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
Copyright	1892

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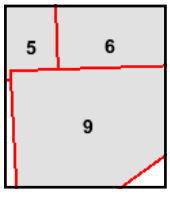

Volume 1, Sheet 9
Volume 1, Sheet 6
Volume 1, Sheet 5

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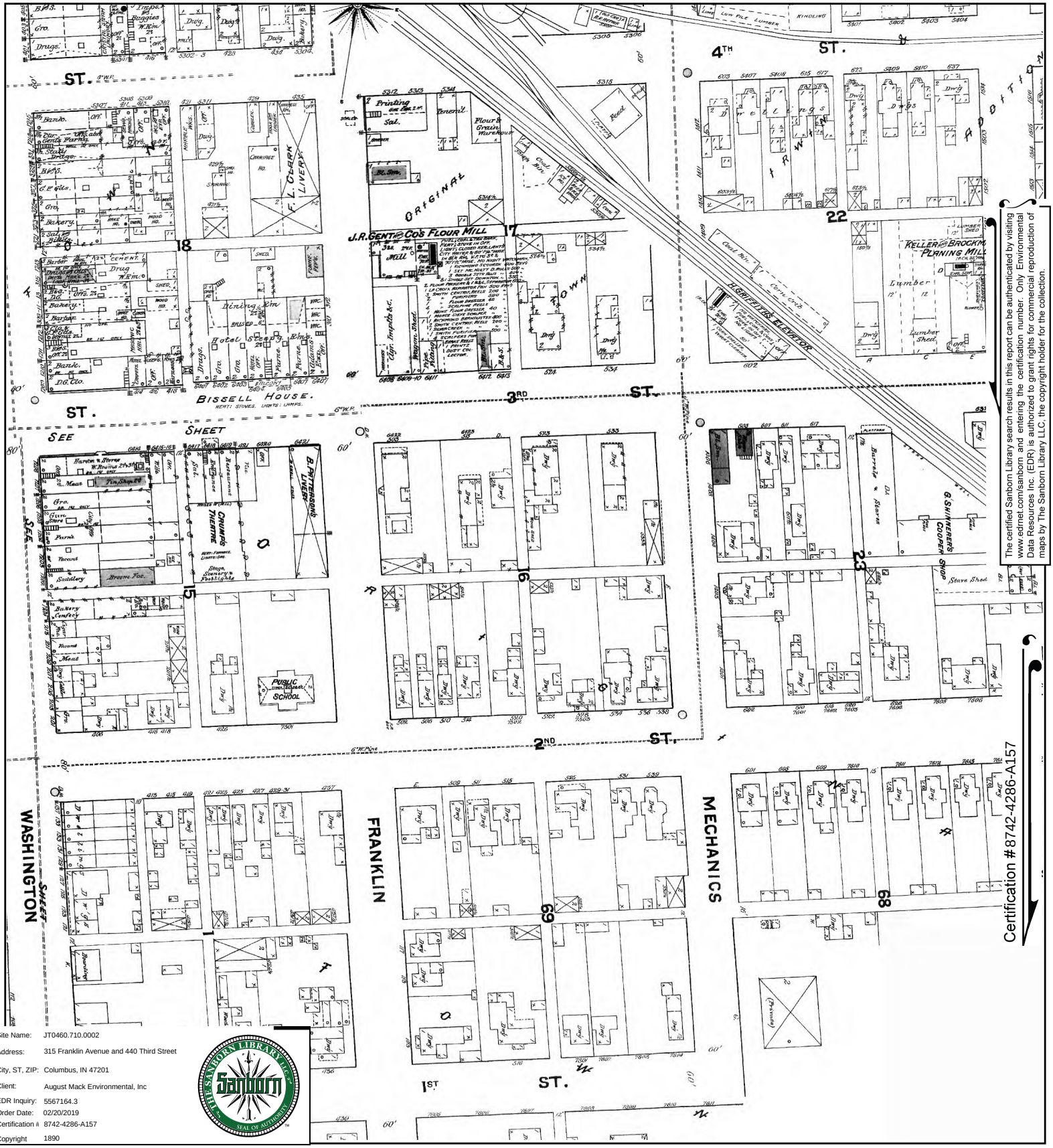

Site Name:	JT0460.710.0002
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City, ST, ZIP:	Columbus, IN 47201
Client:	August Mack Environmental, Inc
EDR Inquiry:	5567164.3
Order Date:	02/20/2019
Certification #:	8742-4286-A157
Copyright	1890

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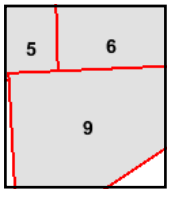

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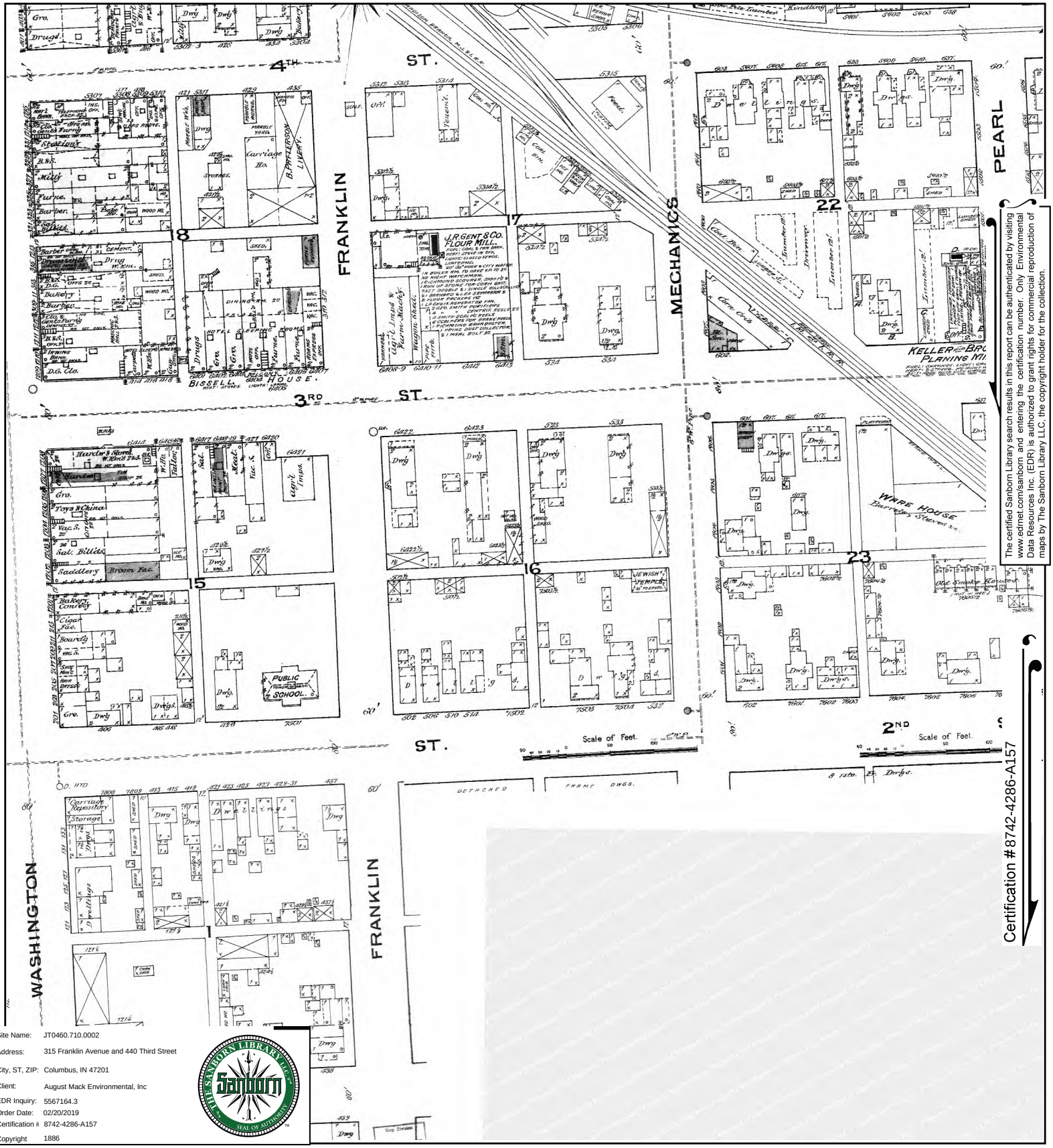

Certification #8742-4286-A157

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Certification #:	8742-4286-A157
Copyright	1886

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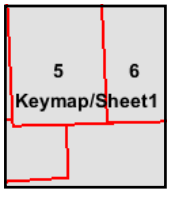

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Volume 1, Sheet Keymap/Sheet1

0 Feet 150 300 600

N

JT0460.710.0002

315 Franklin Avenue and 440 Third Street
Columbus, IN 47201

Inquiry Number: 5567164.5
February 21, 2019

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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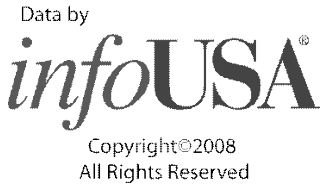

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1986	☑	☑	Caron Directory Co
1981	☑	☑	Caron Directory Co
1976	☑	☑	Caron Directory Co
1971	☑	☑	Caron Directory Co
1966	☑	☑	Caron Directory Co
1961	☑	☑	Caron Directory Co

FINDINGS

TARGET PROPERTY STREET

315 Franklin Avenue and 440 Third Street
Columbus, IN 47201

Year	*CD Image*	*Source*
FRANKLIN ST		
2014	pg A4	EDR Digital Archive
2010	pg A9	EDR Digital Archive
2005	pg A14	EDR Digital Archive
2000	pg A18	EDR Digital Archive
1995	pg A23	EDR Digital Archive
1992	pg A28	EDR Digital Archive
1986	pg A33	Caron Directory Co
1981	pg A37	Caron Directory Co
1976	pg A41	Caron Directory Co
1971	pg A47	Caron Directory Co
1966	pg A52	Caron Directory Co
1966	pg A53	Caron Directory Co
1961	pg A59	Caron Directory Co

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
2ND ST		
2014	pg. A1	EDR Digital Archive
2010	pg. A6	EDR Digital Archive
2005	pg. A11	EDR Digital Archive
2000	pg. A16	EDR Digital Archive
1995	pg. A20	EDR Digital Archive
1992	pg. A25	EDR Digital Archive
1986	pg. A30	Caron Directory Co
1981	pg. A35	Caron Directory Co
1976	pg. A39	Caron Directory Co
1971	pg. A43	Caron Directory Co
1971	pg. A44	Caron Directory Co
1966	pg. A49	Caron Directory Co
1961	pg. A55	Caron Directory Co
1961	pg. A56	Caron Directory Co
3RD ST		
2014	pg. A2	EDR Digital Archive
2010	pg. A7	EDR Digital Archive
2005	pg. A12	EDR Digital Archive
2000	pg. A17	EDR Digital Archive
1995	pg. A21	EDR Digital Archive
1992	pg. A26	EDR Digital Archive
1986	pg. A31	Caron Directory Co
1986	pg. A32	Caron Directory Co
1981	pg. A36	Caron Directory Co
1976	pg. A40	Caron Directory Co
1971	pg. A45	Caron Directory Co
1971	pg. A46	Caron Directory Co
1966	pg. A50	Caron Directory Co
1966	pg. A51	Caron Directory Co
1961	pg. A57	Caron Directory Co
1961	pg. A58	Caron Directory Co

FINDINGS

Year	*CD Image*	*Source*
LAFAYETTE AVE		
2014	pg. A5	EDR Digital Archive
2010	pg. A10	EDR Digital Archive
2005	pg. A15	EDR Digital Archive
2000	pg. A19	EDR Digital Archive
1995	pg. A24	EDR Digital Archive
1992	pg. A29	EDR Digital Archive
1986	pg. A34	Caron Directory Co
1981	pg. A38	Caron Directory Co
1976	pg. A42	Caron Directory Co
1971	pg. A48	Caron Directory Co
1966	pg. A54	Caron Directory Co
1961	pg. A60	Caron Directory Co
1961	pg. A61	Caron Directory Co

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 2014

123	COLUMBUS SPECIALTY CARE
213	PERKINS, BRADON
333	REPUBLIC INC
430	J ENTERPRISES INC
	JR PROMOTIONS
	LANDAMRICA LAWYERS TITLE INSUR
501	BURRIS, STEPHANIE
543	BARTHOLOMEW COUNTY OF
606	BURRIS, CALEB
711	CUSTOM BRUSHED INC
828	PERCIFIELD INC
951	BUSINESS SVCS OF COLMBUS ACCTG
955	AMARI ARRANGEMENTS & GIFTS LLC
1040	NATURAL RSRCES CNSERVATION SVC
	SOIL WATER CONSERVATION DST
1075	CATHYS DOG GROOMING
	COUNTRY MART CO OP
1122	HARRELL INC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2014

125	FIRST FINANCIAL BANK NAT ASSN
	IRWIN COMMERCIAL FIN EQP FIN
208	CLERGET, SHARON R
301	FEE, ELI
407	IDLEWINE, SHERRY L
501	WOODUFF, PAMELA
507	BARTHOLOMEW COUNTY OF
524	BARTHLOMEW CNTY HISTORICAL SOC
602	PACHECO WINERY
611	MCDONALDS
616	FRANKE THIRD STREET CORP
	VORWALD & FRANKE ENTERPRISES
624	MCGILLVARY ROD ATTORNEY AT LAW
	PIEPER REAL ESTATE SERVICE
628	TIMOTHY J VRANA LLC
632	TAX CONSULTANTS INC
636	SHORELINE PARTNERSHIP INC
702	OCCUPANT UNKNOWN,
704	OCCUPANT UNKNOWN,
705	OCCUPANT UNKNOWN,
706	BROOKS, THOMAS L
709	OCCUPANT UNKNOWN,
710	OCCUPANT UNKNOWN,
713	EDWARD D JONES & CO LP
	STEINKE, KARA M
714	HEINER, SARAH
716	BURD, WILLIAM
	CORNESTONE INDOOR AIR QUA
720	STANTON HEARING SPECIALTIES
722	AARON EDWARDS
	COYNER GRACE A CPA
723	SMART AND JOHNSON TITLE CORP
724	CENTER FOR COUNSELING COACHING
725	BANKRPTCY LAW OFC OF M ZCKRBRG
	TEIKE, MARK
	WALTON LEGAL SERVICES PC
726	MIRACLES
727	OCCUPANT UNKNOWN,
730	OCCUPANT UNKNOWN,
735	FINISHING TOUCH
	TURNER, EARL W
	TURNERS BARBER STYLING
738	DISCHINGER, MICHAEL M
774	YOUNG, L
801	BURD WILLIAM ARCHITECT
808	BABINEC, LINDSEY
	LOVE LORI
	SIMPLY POTTERY INC
826	CROWDER & DARNALL INC
834	TUNGEITT, CAROLETTA

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2014 (Cont'd)

834	WEAVER, CHRIS G
	WILLIAMS, ELIZABETH
901	COLUMBUS FAMILY DENTAL CENTER
	EDWARD GARRY LEASING
910	JACKS PLACE TWO INC
924	HERTZ
1015	BUSHHORN THOMAS D
	BUSHHORN, THOMAS
	IBIDEN U S A CORPORATION
	KEVIN D METZ
	MOBLEX USA
	UNLOCKING SPECTRUM
1017	SPORTS CENTER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FRANKLIN ST 2014

230	HARMON LANDYN K
250	INDIANA ASSN OF BLDG OFFICIAL
	MYRIAD ADVISORS SOLUTIONS
305	LHP INTERNATIONAL LLC
	LHP SOFTWARE LLC
315	COLUMBUS PRO MUSICA INC
320	BECK ROCKER PC
	WB VENTURES LLC
330	BARTHOLOMEW COUNTY BLDG CORP
	JONES PATTERSON & TUCKER PC
464	MORROW, NICHOLAS
500	COLUMBUS AREA CHMBER OF CMMRCE
	COLUMBUS SMALL BUSINESS DEV
	SERVICE CORPS RETIRED EXECS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 2014

423	GILBERT, MICHAEL S
429	BELDING, BRIAN P
604	HOLZHAUSEN, MARK C
609	LYSTER, SHIRLEY A
611	DAY, CHARLES P
612	MULLINS, CHARLES W
616	GIBSON, RAYMOND E
619	FABER, DON
621	BOLENBAUGH, CHRISTINE S
624	PARKS, JOHN A
625	OCCUPANT UNKNOWN,
628	GIPSON, HEATHER R
632	MCCONNELL, TIMOTHY J
	TJM SERVICES LLC
637	BOLENBAUGH, GABRIANNA
	BROWN, JENNIFER L
	BUTCHER, DAMIAN W
	DIAZ, ERIKA
	HUTCHISON, ASHLEY
	MILLER, DALYN B
638	FERREE, LUKE M
645	STROH, DAN F
703	CLERKIN, MARY D

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 2010

301	HALCOMB, MATTHEW W
333	REPUBLIC INC
402	THOMPSON, JAMES D
430	J ENTERPRISES INC
	LANDAMRICA LAWYERS TITLE INSUR
	MARSHALL, C R
501	BURRIS, STEPHANIE
503	LYKINS, LLOYD W
543	BARTHOLOMEW COUNTY OF
606	BURRIS, CALEB
711	CUSTOM BRUSHED INC
801	BARTHOLOMEW CTY RRL ELCTRC MMB
	BARTHOLOMEW REMC COMMUNITY TR
802	MALONE, JAMES D
806	HATFIELD CONSTRUCTION
	PHOENIX GUNS
820	KELLY, REBECCA A
828	PERCIFIELD INC
935	BUDGET AUTO PAINTING
955	AXSOM PLUMBING INC
1040	BREAKROOM SHOWCLUB
	NATURAL RSRCES CNSERVATION SVC
1075	COUNTRY MART CO OP
	RISK MANAGEMENT OF STHRN IN L
1100	BAILEY, JEFF
1118	HORTON, MARY
	STARKS, DEBRA
1122	HARRELL INC
	SPARKLE SELF SERVICE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2010

301	FEE, ELI
401	WHIPKER, MICHAEL A
407	IDLEWINE, SHERRY
417	COLUMBUS AREA ARTS COUNCIL
419	TODD WILLIAMS & ASSOCIATES PC
440	BARTHOLOMEW COUNTY OF
	CNTY INFO SRVS
	DEPT OF WEIGHTS AND MEASURES
	MAINTENANCE SUPERVISOR
507	BARTHOLOMEW COUNTY OF
524	BARTHLOMEW CNTY HISTORICAL SOC
611	MCDONALDS
616	FRANKE THIRD STREET CORP
	VORWALD & FRANKE ENTERPRISES
624	MCGILLVARY ROD ATTORNEY AT LAW
	PIEPER REAL ESTATE SERVICE
628	ARAB TRMT PEST CTRL OF CLUMBUS
636	TIMOTHY J VRANA LLC
702	HERNANDEZ, GERARDO
703	ACE JANITORIAL SERVICE
	NATALIS INC
706	BROOKS, THOMAS L
713	EDWARD D JONES & CO LTD PARTNR
	WOODS, CHRISTOPHER M
714	WILLIAMSON, CAROL A
716	COOMER, A
	CORNESTONE INDOOR AIR QUA
	WORTON & ROHDE
722	COYNER GRACE A CPA
723	DIRK JAMES INSURANCE ASSOCIATE
	SMART AND JOHNSON TITLE CORP
725	WALTON LEGAL SERVICES PC
726	MIRACLES
730	ENGLISH, BILL D
735	FINISHING TOUCH
	TURNER, EARL W
	TURNERS BARBER STYLING
738	SHARP, ADAM J
751	CHANDLER, SUSAN
774	YOUNG, L
801	BURD WILLIAM ARCHITECT
808	JEM PRINTING INC
	LOVE LORI
	SIMPLY POTTERY INC
826	CROWDER & DARNALL INC
834	LINCH, D
	PORTER, KEIRRA A
	REDLEAF, DOUGLAS
	TUNGEITT, CAROLETTA
	WILLIAMS, ELIZABETH

Target Street	Cross Street	Source
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3RD ST 2010 (Cont'd)

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901	COLUMBUS FAMILY DENTAL CENTER
	EDWARD GARRY LEASING
904	CLARK, AMEA
910	CRYSTAL FLASH PETROLEUM LLC
924	GRAHAM AUTO SALES
1015	BUSHHORN THOMAS D
	FLEETWOOD, CHERYL
	KEVIN D METZ
	MITCHELL STROIA TEAM LLC
	PARAGON MEETING & EVENTS LLC
	PREFERRED PROPERTIES COLUMBUS
	SBM SITE SERVICES
	WISE PADEN REAL ESTATE
1017	BARGINS UNLIMITED LLC
	SPORTS CENTER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FRANKLIN ST 2010

230	HARMON LANDYN K
250	INDIANA ASSN OF BLDG OFFICIAL
	LANDWATER GROUP
305	LHP EMBEDDED TECHNOLOGY LLC
	LHP INTERNATIONAL LLC
	LHP SOFTWARE LLC
315	COLUMBUS PRO MUSICA INC
320	BECK HARRISON PC
330	BARTHOLOMEW COUNTY BLDG CORP
	JONES PATTERSON & TUCKER PC
331	HOOSIER DIGITAL MARKETING
450	EDWARDS DONALD S
	JOHNSON MATERIALS
500	COLUMBUS AREA CHMBER FUNDATION
	COLUMBUS AREA CHMBER OF CMMRCE
	COLUMBUS CITY OF
	COLUMBUS SMALL BUSINESS DEV
	SERVICE CORPS RETIRED EXECS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 2010

423	GILBERT, MICHAEL S
429	JACKSON, MATT J
604	HOLZHAUSEN, MARK C
	TUCKETT, ANDREW R
609	LYSTER, SHIRLEY A
611	DAY, CHARLES P
612	MULLINS, CHARLES W
616	GIBSON, RAYMOND E
619	POPE, JOHN H
621	BOLENBAUGH, CHRISTINE S
	BRAZZELL, DEAN
	GRAHAM, BRENDA
	LAFAYETTE, JEFF
	MINGS, SARA
	OQUIST, KAREN
	PURNELL, BONNIE
623	CLIFFORD, BRENT W
	EARLY HEAD START
624	PARKS, JOHN A
625	AWESOME INC
632	MCCONNELL, TIMOTHY J
637	BARKUS, GLENN E
	HUTCHISON, DEANNE L
	JOHNSON, JENNIFER
	KNIGHT, KLEIN
	STREEVAL, JUDY M
638	FERREE, MICHAEL
644	BAUMGART, WARREN W
645	STROH, JOHN A
703	SIMMS, ANDREW B

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 2005

222	DAVIS, RICK
304	GRAY, KEVIN
333	RAYANNA CORPORATION
	REPUBLIC INC
402	THOMPSON, JAMES D
430	J ENTRPRSES INN TYLRSVILLE LLC
	MARSHALL C RICHARD LAW OFFICE
	MARSHALL, C R
	MEYER STAMPING & MFG INC
501	BURRIS, RUTHE E
503	LYKINS, LLOYD W
506	PHILYAW, SALLY L
543	BARTHOLOMEW COUNTY OF
601	KIEFNER, JAMES D
606	GREENLEE, TONY
610	WISE AUTO SALES
702	FIFE, JERRY
703	RHINO SALES INC
704	DANFORTH, BILL K
708	NEIL, BOBBIE
711	CUSTOM BRUSHED INC
801	BARTHOLOMEW COUNTY REMC
	BCREMCNET LLC
802	MALONE, J D
804	GARDNERS AUTO REPAIR
806	HATFIELD CONSTRUCTION
	PHOENIX GUNS
820	KELLY, REBECCA A
828	AUTO AC SVC & PARTS
	PERCIFIELD INC
867	TNT EEPRESS LLC
935	MURRAY MARK
947	WINTERS ASSOC PROMOTIONAL PDTS
951	LOUDEN LISA A
1040	BREAKROOM SHOWCLUB
1075	CATHYS DOG GROOMING
	OCCUPANT UNKNOWN,
	PREMIER AG CO-OP INC
1122	SPARKLE SELF SERVICE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2005

301	OVER, BETH
401	WHIPKER, MICHAEL A
403	HENSON, ELIZABETH E
405	TERRACE WOODS COMMUNITY ASSN
407	IDLEWINE, SHERRY
419	WILLIAMS TODD & ASSOCIATE P C
440	BARTHOLOMEW COUNTY OF
501	GANN, PAUL G
507	BARTHOLOMEW COUNTY OF
524	BARTHLOMEW CNTY HISTORICAL SOC
602	HIATT PAINTING JOHN
	RELIABLE DELIVERY COURIER SRV
611	EL SARAPE INC
616	FRANKE THIRD STREET CORP
	VORWALD & FRANKE ENTERPRISES
624	COLUMBUS WEIGHT LOSS CLINIC
	PIEPER REAL ESTATE SERVICE
628	ARAB TRMT PEST CTRL OF CLUMBUS
	YOUR HOME SERVICES INC
636	RAINSOFT OF INDIANAPOLIS
	TIMOTHY J VRANA LLC
655	SALIN BANK AND TRUST COMPANY
702	HERNANDEZ, GERARDO
703	ACE JANITORIAL SERVICE
	KERNS MARILYN MS LCSW
	SOUTHERN INDIANA INTEGRATIVE T
713	EDWARD D JONES & CO LP
	ENGELSTADE, JODIE
714	ALDERSON, JANIS L
	BALDWIN, W
	BRADLEY, RUBY
716	THOMAS P ROBERTSON
718	WALTON LEGAL SERVICES PC
723	DIRK JAMES INSURANCE ASSOCIATE
	OCCUPANT UNKNOWN,
	SMART AND JOHNSON TITLE CORP
724	SORRELS KAREN
725	EDU TAX ADVISORS LLC
726	MIRACLES
735	FINISHING TOUCH
	TURNER, EARL W
	TURNERS BARBER STYLING
738	OCCUPANT UNKNOWN,
801	BURD WILLIAM ARCHITECT
808	GRUBBS & EDSON INC
	LOVE LORI
	SIMPLY POTTERY INC
819	DAVIS, DANIEL B
826	MILLER-PETTIGREW, WANDA
834	WILLIAMS, ELIZABETH

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2005 (Cont'd)

901	COLUMBUS FAMILY DENTAL CT
910	CRYSTAL FLASH PETROLEUM CORP
	MACS DELI
924	ONE WAY AUTO SALES
1015	FINKE JEFF TEAM
	PREFERRED PROPERTIES COLUMBUS
	STUCKWISH CHERYL
	STUCKWISH, LONN
	WISE PADEN REAL ESTATE
1017	SPORTS CENTER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FRANKLIN ST 2005

230	CONNER WLLIAM S ATTRNEY AT LAW
305	2MI GROUP
	CUMMINS INC
	LHP EMBEDDED TECHNOLOGY LLC
	LHP INTERNATIONAL LLC
	LHP SOFTWARE LLC
315	COLUMBUS PRO MUSICA INC
320	BECK HARRIS & DALMBERT
	QUAD PROPERTIES LLC
	TWO TAPATIO MEXICAN RESTAURANT
330	JONES PATTERSON & TUCKER
420	ONKYO MFG INC
440	DESIGN CONNECTIONS
450	EDWARDS DONALD S
500	COLUMBUS AREA CHMBER OF CMMRCE
	LEADERSHIP BARTHOLOMEW COUNTY
	SERVICE CORPS RETIRED EXECS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 2005

429	TRUEBLOOD, MICHAEL
604	PRATHER, JEAN A
608	KING, ANTHONY J
609	LYSTER, SHIRLEY A
611	DAY, CHARLES P
612	MULLINS, CHARLES W
616	GIBSON, RAYMOND E
623	CONNER, JOSEPH W
624	PARKS, JOHN A
628	FIRST CHRISTIAN SCIENCE
637	GORSKI, N E
	HITTLE, L
	JOHANN, MARGARET R
	KOONTZ, LEONARD P
	TURNER, SHERYL
638	FERREE, MICHAEL
645	STROH, JOHN A
703	SIMMS, ANDREW B

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 2000

430	COMMERCIAL TECHNICAL SVCS INTL
	CORBINBEVERLY, MILLIE
	HERITAGE FUND OF BRTHLMEW CNTY
	J ENTRPRSES INN TYLRSVILLE LLC
	MARSHALL C RICHARD LAW OFFICE
	MEYER STAMPING & MFG INC
	MILLIE CORBIN-BEVERLY
543	BARTHOLOMEW COUNTY OF
703	RHINO SALES INC
711	CUSTOM BRUSHED INC
801	BARTHOLOMEW COUNTY REMC
804	GARDNERS AUTO REPAIR
	RYDER TRUCK RENTAL INC
806	HATFIELD CONSTRUCTION
	PHOENIX GUNS
828	PERCIFIELD INC
935	RUN RITE SMALL ENGINES INC
947	WINTERS ASSOC PROMOTIONAL PDTS
951	LOUDEN LISA A
955	TELESERVICE PLUS INC
1075	DOWNINS GREEN GROW INC
	PREMIER AG CO-OP INC
1122	SPARKLE SELF SERVICE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

3RD ST 2000

419	WILLIAMS TODD & ASSOCIATE P C
440	BARTHOLOMEW COUNTY OF
524	BARTHLMEW CNTY HISTORICAL SOC
542	NATIONAL ICE COMPANY INC
611	NORRIS FOOD SERVICE INC
616	VORWALD & FRANKE ENTERPRISES
624	VANITY
628	ARAB TRMT PEST CTRL OF CLUMBUS
	COLUMBUS LEASNG CORP
636	REED, KAREN L
	ROMINE TERRY
655	SALIN BANK AND TRUST COMPANY
703	KALOVIDORIS APOSTOLOS MD
706	PETRO, DANNY
713	BAUGH, THOMAS J
714	HARRIS, DALE A
	PENA, NAOMI
	RIVERA, LUIS
716	WAGNER REALTORS
718	WALTON LEGAL SERVICES PC
723	SMART AND JOHNSON TITLE CORP
726	MIRACLES
735	JACKSON MATTHEW D
	TURNER EARL
	TURNER, EARL W
801	PREGNANCY CARE CENTER COLUMBUS
808	GRUBBS & EDSON INC
	LOVE LORI
819	DAVIS GARY MUSIC MAKERS STORE
828	MCKAIN, BILL
834	WILLIAMS, E
910	CRYSTAL FLASH PETROLEUM CORP
1015	ATC HEALTHCARE SERVICES INC
	PINKERTONS INC
	TMBD COMPUTER
1017	SPORTS CENTER

Target Street	Cross Street	Source
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FRANKLIN ST 2000

230	WALKER & CONNER ATTORNEYS
250	VISTA ENGINEERING
305	CUMMINS ENGINE COMPANY INC
320	BECK HARRISON AND DALMBERT
	BECK, A
	STONE WILLIAM H
330	JONES PATTERSON TUCKER & GROGG
331	FAMILY SVC OF BARTHOLOMEW CNTY
	WINSLOW, ALAN E
450	EDWARDS DONALD S
500	COLUMBUS AREA CHMBER OF CMMRCE
	LEADERSHIP BARTHOLOMEW COUNTY

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 2000

429	HENDERSON, TRUMAN
604	HARMON, PEGGY J
	PRATHER, JEAN A
608	WISSMAN, ROBERT F
609	LYSTER, SHIRLEY A
611	DAY, CHARLES P
612	MULLINS, CHARLES W
616	GIBSON, RAYMOND E
619	POPE, DONALD M
621	FAULKNER, ED
624	JACKSON L L INC
	JACKSON, M
632	CRAWL, C
637	CAVAZOS, RON
	EARLE, C
	ISON, JAKE
	KEY, KERMET
	MCGINTY, SHANNON
	POUNDS, D
	SCHOENBEIN, J
	SIMMONS, A
	STEWART, M
	TREON, TERI D
644	BAACK, J
	SMITH, LISA R
645	STROH, JOHN A
703	HOOKS, JERRY
	SIMMS, J N

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 1995

123	GOODYEAR TIRE & RUBBER CO THE
333	HOME NEWS ENTERPRISES L L C
420	LINDE HOMECARE MEDL SYSTEMS
430	HERITAGE FUND OF BRTHLMEW CNTY
543	BARTHOLOMEW COUNTY
636	BESHEAR, KENNETH H
650	ALWARD, TIM
711	BOBS CUSTOM BRUSHED CAR WASH
801	BARTHOLOMEW COUNTY REMC
802	UHL, WILLIAM F
804	GHM ENTERPRISES INC
	RYDER TRUCK RENTAL INC
828	BERCIFIELD RADIATOR SHOP
	PERCIFIELD INC
832	LEE S BEAR ALIGNMENT
867	PREMIER AG CO-OP INC
951	J D TRUCKING INC
955	TELESERVICE PLUS INC
1040	HOMEPLATE REST & LOUNGE INC
	PRATHER, TERRY D
1075	PREMIER AG CO-OP INC
1122	SPARKLE SELF SERVICE

Target Street	Cross Street	Source
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3RD ST 1995

101	IMPERIAL 400 MOTEL
117	REPUBLICAN HEADQUARTERS
329	BARTHOLOMEW COUNTY
415	IRWIN-SWENEY-MILLER FOUNDATION
425	SYNDICATE THEATERS INC
435	DALMBERT & MARSHALL
	GOLTRA, ALLEN
440	AMERICAN RED CROSS THE
	BARTHOLOMEW COUNTY
507	ELKS CLUB 521
524	BARTHLMEW CNTY HISTORICAL SOC
542	NATIONAL ICE COMPANY INC
545	KONDAS, C J
611	NORRIS FOOD SERVICE INC
616	VORWALD & FRANKE ENTERPRISES
624	EATON, ERIC
628	ARAB PEST CONTROL CO INC
	HINDERLITER, FALBA
632	INDIANA DEPARTMENT CORRECTION
636	ATHENS REALTORS
655	COLUMBUS BANK & TRUST CO
702	OSBORNE, LARRY
	RICHARD T EPPERT
703	ANKLE & FOOT CARE PLUS
	KANTER, VERA
706	HERRERA, LAURA
713	BAUGH, THOMAS J
714	CHESNUT, ELLEN E
	SANCHEZ, DAVID
	STANIFER, ERIC
716	WAGNER DEAN INC
	WAGNER, DEAN
	WOLFE MARVIN ELECTRIC
718	NORRELL NRSES HSE CALL HM HLTH
	NURSES HOUSE CALL
722	COYNER & KREIS
723	SMART AND JOHNSON ABSTRACT
724	S&R PROGRAMMING SERVICES
726	MIRACLES
730	OCCUPANT UNKNOWNN
735	TURNER, EARL W
	TURNERS BARBER STYLING
738	HOSKINS, P
801	BUDD CHARLES J ARCHITECT
	OCCUPANT UNKNOWNN
	PSYCHIC SERVICES
808	GRUBBS & EDSON INC
	PAPAS DELI INC
812	OCCUPANT UNKNOWNN
814	OCCUPANT UNKNOWNN

Target Street	Cross Street	Source
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3RD ST 1995 (Cont'd)

818	OCCUPANT UNKNOWNN
819	DAVIS GARY MUSIC MAKERS STORE
826	HAMMER, FRED
828	MCKAIN, BILL
832	FENNELLY, R L
901	BARTHOLOMEW COUNTY FARM BUREAU
	UNITED FARM BUREAU FAMILY LIFE
902	ROMINE, GARY
910	CRYSTAL FLASH PETROLEUM CORP
924	TAGS MARATHON
1015	CLINE KING & KING - PROF CORP
	COMMONWEALTH INS
	FORTY-ONE-SEVEN INC
	GEARHART ACCOUNTANCY CORP
	HADLER KENDALL MD
	HENNIG THOMAS MD
	INDIANA MICROGRAPHICS INC
	KING, PETER C
	NORTHWESTERN MUTUAL
	ROBERTSON, DREW
	SE INDIANA ANESTHESIA ASS
	SHOPPERS DELIGHT
	SKIDMORE, DAVID
1109	HOLMAN, D

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

FRANKLIN ST 1995

230	WALKER & CONNER ATTORNEYS
320	BECK ARTHUR F PRO CORP
	HARRISON, PATRICK W
330	JONES & PATTERSON
331	FAMILY SERVICE BARTHOLOMEW CO
	JRR PROPERTIES
430	EWERT INSURANCE AGENCY
440	DESIGN CONNECTIONS
450	EDWARDS DONALD S
500	COLUMBUS AREA CHMBER OF CMMRCE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 1995

415	ROSEBERRY, LARRY
423	ANGLIN, C
425	BROWNE, DOUGLAS
429	OCCUPANT UNKNOWNN
604	PRATHER, M
	WILLEY, FERN
608	COOK, ELLA
	WISSMAN, ROBERT F
609	LYSTER, SHIRLEY A
611	DAY, CHARLES P
612	MULLIS, CHARLES W
616	GIBSON, RAYMOND E
619	OCCUPANT UNKNOWNN
621	OCCUPANT UNKNOWNN
623	SHORT, PAM
624	LAX, SUSAN
625	SHEINBERG, RANDY
628	FIRST CHRISTIAN SCIENCE
	OCCUPANT UNKNOWNN
637	ARNETT, J
	BILLETER, LYNN D
	HAMMONS, K R
	LAUER, DAVID
	MOFFITT, R
	PERRY, ANDREW
	PICKENS, G
	SPRAGUE, T D
	TAYLOR, SHARON
638	DISMORE, GATEN
644	SMITH, LISA
645	STROH, JOHN A
704	DICKEY, CHRIS
	MILLER, K M
	MUNN, JOHN E

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

2ND ST 1992

123	GOODYEAR TIRE & RUBBER CO THE
333	HOME NEWS ENTERPRISES
	RAYANNA CORP
430	JASILK INC
	SHENMEI INC
543	BARTHOLOMEW COUNTY
711	BOBS CUSTOM BRUSH CAR WASH
801	BARTHOLOMEW COUNTY REMC
804	GHM ENTERPRISES INC
	RYDER TRUCK RENTAL INC
806	ALWAYS FLOWERS
828	BERCIFIELD RADIATOR SHOP
	PERCIFIELD RADIATOR SHOP
832	LEE S BEAR ALIGNMENT
935	SERVICE MSTR LAWN CARE BY RNGE
955	RODDIES JANITORIAL SERVICES
1040	T N T INC
1075	PREMIER AG CO-OP INC
1122	SPARKLE SELF SERVICE
41012	LINN, MATT

Target Street	Cross Street	Source
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3RD ST 1992

101	IMPERIAL 400 MOTEL
329	BARTHOLOMEW COUNTY
425	SYNDICATE THEATERS INC
435	DALMBERT & MARSHALL
	MARSHALL WILLIAM F
440	AMERICAN RED CROSS THE
	BARTHOLOMEW COUNTY
507	ELKS CLUB 521
524	BARTHLMEW CNTY HISTORICAL SOC
542	NATIONAL ICE COMPANY INC
611	NORRIS FOOD SERVICE
616	VORWALD & FRANKE ENTERPRISES
624	GERTH OSCAR MICHAEL CPA
628	ARAB PEST CONTROL CO INC
	HINDERLITER, FALBA
636	ATHENS REALTY
655	COLUMBUS BANK & TRUST CO
702	RICHARD T EPPERT
703	BRUMBAUGH & ASSOC
	KERNS, MARILYN H
713	BAUGH, THOMAS J
714	MICK, MELINDA
716	AG MARKETING INC
	WAGNER DEAN INC
	WOLFE MARVIN ELECTRIC
722	COYNER & KREIS
723	SMART AND JOHNSON ABSTRACT
735	TURNER, EARL W
	TURNERS BARBER STYLING
738	SASEK, DAVID
801	BUDD CHARLES J ARCHITECT
	PSYCHIC SERVICES
808	GRUBBS & EDSON INC
	PAPAS DELI INC
819	DAVIS GARY MUSIC MAKERS STORE
826	LEEDER, N
828	MCKAIN, BILL
832	NORDMAN, MARTIN
901	UNITED FARM BUREAU FAMILY LIFE
910	CRYSTAL FLASH PETROLEUM CORP
924	TAGGART RALPH
	TAGS MARATHON
1015	COMMONWEALTH INS
	CROSSWORLD INC
	FILTER QUEEN
	GEARHART ACCOUNTANCY CORP
	HAWORTH STEPHEN C CPA
	INDIANA MICROGRAPHICS INC
	INTERNATIONAL BUS MCHS CORP
	WELLINGS & WYKE ASSOC

Target Street	Cross Street	Source
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3RD ST 1992 (Cont'd)

1017 COXCO INC
8342 FOLEY, JOHN

Target Street	Cross Street	Source
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FRANKLIN ST 1992

230	WALKER & CONNER ATTORNEYS
320	BECK ARTHUR F PRO CORP
330	JONES & PATTERSON
331	FAMILY SERVICE BARTHOLOMEW CO
420	NEW FAMILY BUREAU
430	EWERT INSURANCE AGENCY
440	DESIGN CONNECTIONS
500	COLUMBUS AREA CHMBER OF CMMRCE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LAFAYETTE AVE 1992

423	ANGLIN, C
425	SANFORD, HARRY
608	COOK, ELLA
	WISSMAN, ROBERT F
609	LYSTER, SHIRLEY A
612	MULLINS, CHARLES W
616	GIBSON, RAYMOND E
619	BRANDENBURGER, H J
621	FAULKNER, ED
623	BICKERS, TERRY
625	SHEINBERG, RANDY
628	FIRST CHRISTIAN SCIENCE
637	GOODWIN, GREGORY T
	KUETERMAN, GREG
638	NUSSMEIER, ROBERT A
645	STROH, JOHN A
703	KELLER, LUCILLE L

Target Street	Cross Street	Source
-	✓	Caron Directory Co

2ND ST 1986

17

1ST ST —FROM 40 BROWN EAST

ZIP CODE 47201
JACKSON ST BEGINS
301 Vacant
331 Brandenburger Whse Inc addl sp
335 Brandenburger Warehouse Inc ofc furn & equip 372-1831
WASHINGTON ST INTERSECTS

9

WASHINGTON ST INTERSECTS
437 Robertson Ernest E 372-5304
439★Clark Roland L
FRANKLIN ST INTERSECTS
520 Vacant
538 Apartments
1 Vacant (Apts 1-7)
8★Algela J
545 Blue & Company Inc accounting firm 376-9245
555 Eynon Richd S lwyr 372-2508
LAFAYETTE AV INTERSECTS

17

2D ST —FROM 148 LINDSEY EAST

ZIP CODE 47201
123 Goodyear Service Store 372-1557
BROWN ST INTERSECTS
JACKSON ST INTERSECTS
333 Republic The newspaper 372-7811
Home News Enterprise 372-7811
H N E Printers 372-7811
350 Law Enforcement Building 379-1650
County Jail 379-1650
County Sheriff 379-1650

9

WASHINGTON ST INTERSECTS
410½ Vacant
420 Vacant
FRANKLIN ST INTERSECTS
503 Vacant
509 Vacant
509½ Vacant
515 Vacant
LAFAYETTE AV INTERSECTS
601 Brummett Hyder ◎ 379-9430
605 Vacant
609 No Return
610 Highway Oil Co Station 726 379-2970
617 Vacant
633 Hinkle Real Estate 379-4859
Hinkle Signs 379-4497
639 Estes Lillie J
SYCAMORE ST BEGINS

2

711 Bob's Custom-Brushed Car Wash Inc 372-3570
801 Bartholomew County Rural Electric Membership Corp light & power co 372-2546
806 Bartholomew County Rural Electric Membership Corp operations dept
828 Percifield's Radiator Shop 372-1442
Percifield Air Conditioning Service auto 372-2505
832 Lee's Alignment 376-0133
947 U S Dept Of Agrl Soil Conservation Service 378-1282
951 Farmers Home Administration lending agcy low income farmer 378-1281
955 U S Dept Of Agrl (Agrl Stabilization-Conservation) 378-1280
CALIFORNIA BEGINS
VOLLMER AV BEGINS
1040 Woody's Lounge 372-4949
1075 Farmers Marketing Association Inc agrl implement dlrs 379-9501
Farmers Marketing Association (Oil Pumps)
STATE STREET BRIDGE

17

3D ST —FROM LINDSEY EAST FOR CONTINUATION SEE STATE)

ZIP CODE 47201
101 Imperial Four Hundred Motel 372-2835
Pigman Olis ◎ 372-2835
117 Republican Headquarters 379-9837
BROWN ST INTERSECTS
205 City Parking Lot

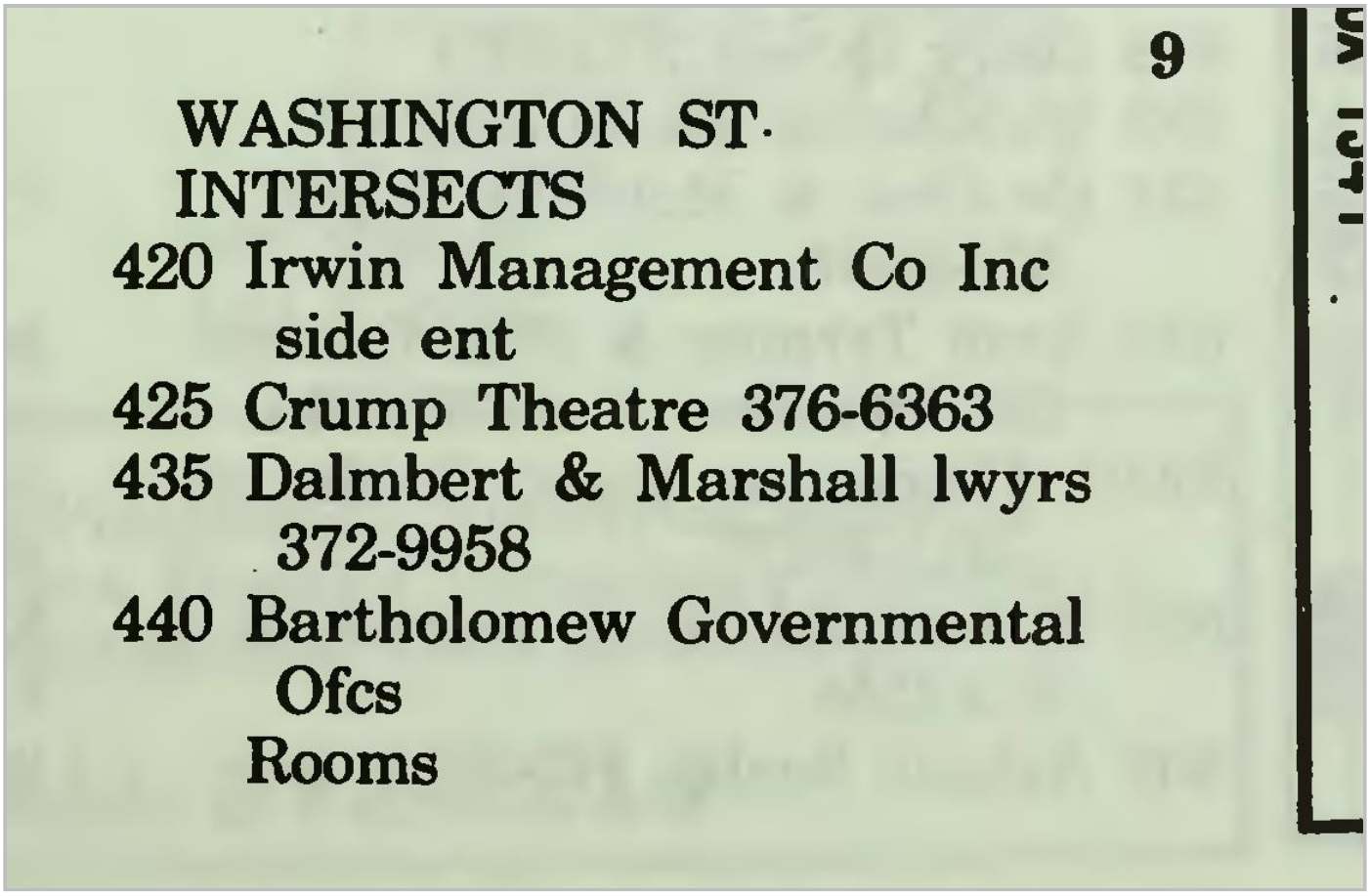
9

WASHINGTON ST INTERSECTS
420 Irwin Management Co Inc side ent
425 Crump Theatre 376-6363
435 Dalmbert & Marshall lwyrs 372-9958
440 Bartholomew Governmental Ofcs
Rooms

AUCTIONEERS-REALTORS

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1986

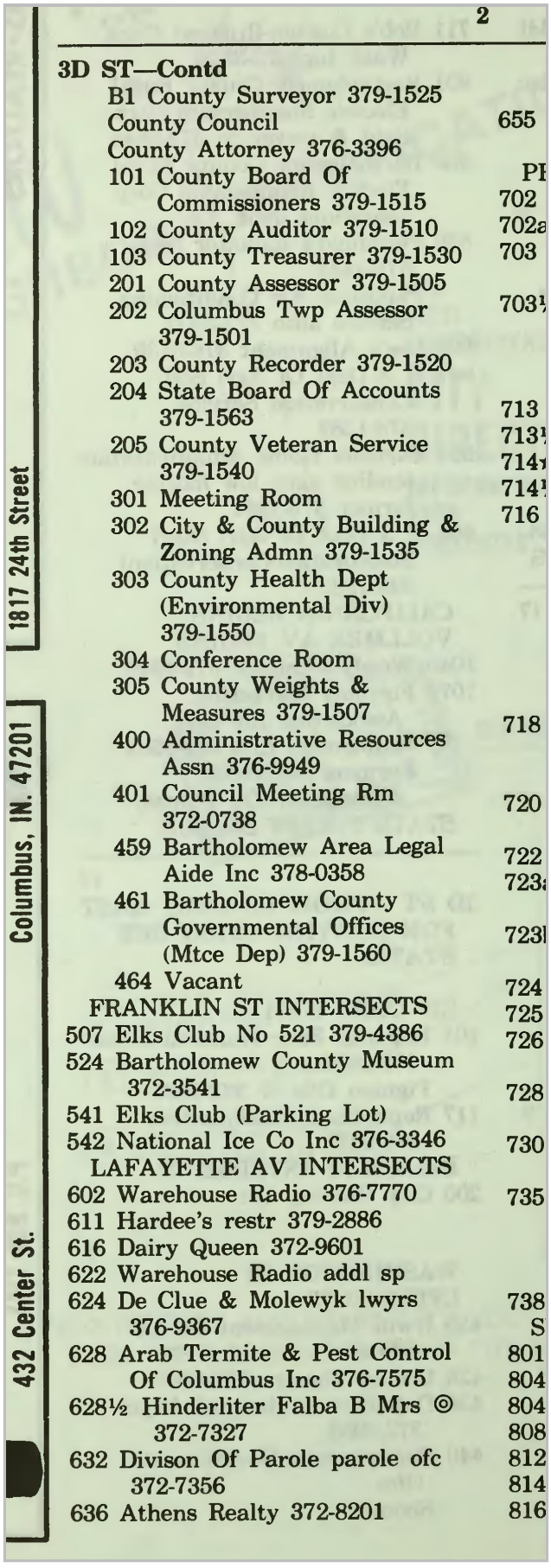


9

WASHINGTON ST·
INTERSECTS
420 Irwin Management Co Inc
side ent
425 Crump Theatre 376-6363
435 Dalmbert & Marshall lwyrs
372-9958
440 Bartholomew Governmental
Ofcs
Rooms

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1986



3D ST—Contd

B1 County Surveyor 379-1525
County Council 655
County Attorney 376-3396
101 County Board Of Commissioners 379-1515 702
102 County Auditor 379-1510 702a
103 County Treasurer 379-1530 703
201 County Assessor 379-1505
202 Columbus Twp Assessor 379-1501 703½
203 County Recorder 379-1520
204 State Board Of Accounts 379-1563 713
205 County Veteran Service 379-1540 713½ 714 714½
301 Meeting Room 716
302 City & County Building & Zoning Admn 379-1535
303 County Health Dept (Environmental Div) 379-1550
304 Conference Room
305 County Weights & Measures 379-1507 718
400 Administrative Resources Assn 376-9949
401 Council Meeting Rm 372-0738 720
459 Bartholomew Area Legal Aide Inc 378-0358 722 723a
461 Bartholomew County Governmental Offices (Mtce Dep) 379-1560 723b
464 Vacant 724
FRANKLIN ST INTERSECTS 725
507 Elks Club No 521 379-4386 726
524 Bartholomew County Museum 372-3541 728
541 Elks Club (Parking Lot)
542 National Ice Co Inc 376-3346 730
LAFAYETTE AV INTERSECTS
602 Warehouse Radio 376-7770 735
611 Hardee's restr 379-2886
616 Dairy Queen 372-9601
622 Warehouse Radio addl sp
624 De Clue & Molewyk lwyrs 376-9367 738 S
628 Arab Termite & Pest Control Of Columbus Inc 376-7575 801 804
628½ Hinderliter Falba B Mrs ◎ 372-7327 804 808
632 Divison Of Parole parole ofc 372-7356 812 814
636 Athens Realty 372-8201 816

1817 24th Street
Columbus, IN. 47201
432 Center St.

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1986

FOXPOINTE DR—Contd
3054 Cummins Brainard L ◎ 372-2967
POSTHORN CT BEGINS
POSTHORN DR BEGINS

3-A

FRANKLIN DR —FROM 27TH NORTH 1 EAST OF WASHINGTON

ZIP CODE 47201
2710★Lane Bruce D ◎ 372-9634
2715 Newton Richd T ◎ 372-3642
2740 No Return
2770★Lieber Ralph 372-8914
2775 Adrian Richd L ◎ 379-1174
2810 Reeves Mark S ◎ 376-7651
2815 Daniel Wm K ◎ 376-7889
2840 Kinney Harry S ◎ 376-7896
2845 Walter Jack T ◎ 372-5842
2885 Vacant
2915 Rhoades Sales hsehold goods 372-1300
Rhoades James N ◎ 372-1300
2920 Newlin Geo W 372-2648
2955 Bumb Charles J ◎ 372-2554
2970 Hoffman Larry D 372-9260
2975 Wickstrom Otto W Jr ◎
TIPTON LA INTERSECTS

9

FRANKLIN ST —NORTH INTERSECTING 436 1ST

ZIP CODE 47201
10 Miller Oil Co fuel oil 379-4948
1ST ST INTERSECTS
107 Vacant
129 Vacant
2D ST INTERSECTS
215 French Ed Buick & Dodge Inc autos 376-3338
230 Walker Charlton J lwyr 372-4456
Conner Wm S lwyr 372-4456
3D ST INTERSECTS
305 Cummins Engine (Training Center) 379-5604
315 Cummins Engine Inc labor mgmt bldg 377-5000
315½ Apartments
321 Cummins Garage
331 Democratic Central Committee Hq 372-1170
335 City Parking Lot
4TH ST INTERSECTS

7

500 Columbus Area Chamber Of Commerce Inc 379-4457
Columbus Economic Development Board organiz misc 379-4457
514 Jones & Patterson lwyrs 376-8266
522 American Center For International Leadership 376-3456
538 Marshall Thomasson & Garber lwyrs 376-9281
Thomasson Michl lwyr 372-5785
Garber Wm G lwyr 379-4001
6TH ST INTERSECTS

1

604 Vacant
606 Vacant
613 City Parking Lot
618 Vacant
619 City Parking Lot
622 Ivy Tech parking lot
625 City Parking Lot
646 Indiana Vocational Technical College 372-4361
Five-Counties Big Brothers & Big Sisters community serv org 376-3077
Heritage Fund Of Bartholomew County Inc foundation 376-7772
United Way Of Bartholomew County charity foundation 376-3001
Volunteer Services-Information & Referral 376-0011
7TH ST INTERSECTS
703 First United Presbyterian Church side entrance
724 Franklin Building
Bartholomew County Farmers Mut Ins Co 376-3202
Barringer Bob Agency ins 372-9521
Bartholomew Title Services Inc abstracters 376-9759
Northwestern Mutual Life Ins Co 376-9255
Lewis Delmar W clu 376-9255

Target Street	Cross Street	Source
-	✓	Caron Directory Co

LAFAYETTE AVE 1986

9

LAFAYETTE AV —FROM 410 WATER NORTH

ZIP CODE 47201
30 Vacant
CONRAIL CROSSES
1ST ST ENDS
101 Vacant
118★Kinard Mark D
120 Vacant
121★Kimsey Loren D
2D ST INTERSECTS
205 Highway Oil Co (Side Ent)
224 Graham Todd Mtr Co
(Parking Lot)
3D ST INTERSECTS
305 Dairy Queen Drive-In
parking lot

7

4TH ST INTERSECTS
423 Anglin Clifford S Rev ◎
372-6790
423½★Sanford Harry A Jr
425★Hopkins Dallas
★Narwald Kathy 376-9701
429 Apartments
2 Vacant
3 Vacant
5TH ST INTERSECTS

1

6TH ST INTERSECTS
604★Peppercorn Ira 379-9922
Welmer David F
608★Cook Ella C Mrs ◎ 376-3658
609 Lyster Mabel R Mrs ◎
379-4364
611 Dobbins Marybelle K Mrs ◎
379-4336
612 Mullins Charles W ◎

17

1ST ST —FROM 40 BROWN EAST

ZIP CODE 47201
JACKSON ST BEGINS
301 Brands West-Realtors 376-9229
335 Brandenburger Color Mart whol paint 372-1831
Brandenburger Warehouse Inc ofc furn & equip 372-1831

9

WASHINGTON ST INTERSECTS
437 Robertson Ernest E 372-5304
439 Roberts Pearl Mrs
FRANKLIN ST INTERSECTS
503 No Return
511 Vacant
515 Vacant
516 Henderson Alva I ◎ 379-9635
519 Wayne's Auto Electric Sales & Service 372-6793
520 Sexton Jess D
521 Vacant
Rear Vacant
524 Van Arsdale Joyce
538 Apartments
1 No Return
5 Garland Clay
LAFAYETTE AV INTERSECTS

17

2D ST —FROM 101 3D NORTHEAST

ZIP CODE 47201
LINDSEY ST BEGINS
123 Goodyear Service Store 372-1557
BROWN ST INTERSECTS
333 Republic The newspaper 372-7811
Home News Enterprise 372-7811
JACKSON ST INTERSECTS
350 Law Enforcement Building 372-8271
City Police Dept 372-8271
County Jail 372-8474
County Sheriff 372-8474

9

WASHINGTON ST INTERSECTS
410½ Fellowship Associates Of Medical Evangelists bldg med missions 379-4351
Hippo Valley Christian Mission 379-1105
Specht Karl
420 Vacant
FRANKLIN ST INTERSECTS
503 Cross Lona Mrs ◎ 379-2281
509 Vacant
509½ Mc Gill Bertha
515 Vacant
523 Phillips Norman 372-0885
535 Vacant
LAFAYETTE AV INTERSECTS
601 Brummett Hyder ◎ 379-9430
605 Clark Ruth H 372-7915
609 Rea Keith A ◎ 376-0354
610 Highway Oil Co Station 726 379-2970
617★Plemon Lloyd 372-3084
621 Dailey June 372-3871
627 Greenlee Penelope S Mrs 376-0182
633 Vacant
639★Axsom Opal 372-7184
SYCAMORE ST BEGINS

2

705 Bob's Custom-Brushed Car Wash (Stge)
711 Bob's Custom-Brushed Car Wash 372-3570
801 Bartholomew County Rural Electric Membership Corp light & power co 372-2546
806 Bartholomew County Rural Electric Membership Corp addl sp
808 Sipes Oil Co Inc (Div Pottorff Oil Corp) 376-7594
828 Percifield's Radiator Shop 372-1442
832 Lee's Alignment 376-0133
CALIFORNIA BEGINS
VALLMER AV BEGINS
1040 Arts Liquors 372-4949
1075 Farmers Marketing Association Inc farm sup 379-9501
Farmers Marketing Association (Oil Pumps)
STATE STREET BRIDGE

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1981

17

3D ST —FROM WEST OF BROWN EAST (FOR CONTINUATION SEE STATE)

ZIP CODE 47201
101 Imperial Four Hundred Motel 372-2835
Pigman Olis
117 Yee Garden Restaurant 379-2495
205 City Parking Lot
BROWN ST INTERSECTS

9

WASHINGTON ST INTERSECTS
415 Irwin Sweeney Miller Foundation organization 372-0251
419 Hinkle Realty 379-4859
Magniform Industries Inc plastic products 379-4497
Syn-Co signs 379-4497
419½ Irwin Sweeney Miller Foundation (Addn Space)
420 Irwin Management Co Inc (Side Ent)
425 Crump Theatre 376-6363
427 Vacant
429 Vacant
430 State Employment Security Div 376-3351
431 Vacant
435 Vacant
440 Bartholomew Governmental Ofcs
ROOMS
B1 County Surveyor 379-4531
101 County Board Of Commissioners 372-6411
102 County Auditor 372-9983
103 County Treasurer 372-8825
201 County Assessor 372-8467
202 Columbus Twp Assessor 372-7883
203 County Recorder 372-7841
204 State Board Of Accounts 372-7980
205 County Veteran Service 376-3790
301 Metting Room
302 City & County Building & Zoning Admn 372-8471
303 Bartholomew County Health Dept 372-0155
304 Conference Room
305 County Weights & Measures 376-8641
306 Ceta (Pub Serv Emp) 372-4930
4th Fl Council Meeting Rm 372-0738
406 Bartholomew County Governmental Offices (Mtce Dep)
FRANKLIN ST INTERSECTS
507 Elks Club No 521 379-4386
524 Bartholomew County Museum
541 Vacant
542 National Ice Co 376-3346
LAFAYETTE AV INTERSECTS
602 Warehouse Radio 376-7770
611 Burger Chef Drive In restr 379-2886
616 Dairy Queen restr 372-9601
622 Countryside Pools 372-0467
624 Legal Services Organization Of Ind Inc 372-2809
628 Arab Termite & Pest Control Of Columbus Inc 376-7575
628½ Hinderliter Falba ◎
630 Eynon Richd S lwyr 372-2508
634 Eynon Richd S (Conference Rm)
636 Athens Realty 372-8201
Taylor Homer L Auctioneer 372-8201
Scheidt Virgil Auctioneer 372-8201
655 Columbus Bank & Trust Co drive in bk 376-9201
PEARL ST BEGINS
702 Wagner Realty-Realtors 372-8445
702a No Return
702b Wagner Wm
703 Carlton Duncan
706★Clark Richd A
Rear Fennell Danl 376-7321
713 Vacant
713½ Vacant
714 Wagner Elsie Mrs ◎ 376-3233
714½ Palmer Betty
723 Smart & Johnson Abstract Co 376-9606
724 Lou La Bill's tavern 372-8917
725 Craig Realty 376-9231
728 No Return
730 Straub Mona D Mrs ◎ 376-6692

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1981

9

FRANKLIN ST —NORTH
INTERSECTING 436 1ST

ZIP CODE 47201
10 Miller Alva L fuel oil 379-4948
1ST ST INTERSECTS
103 Watson Emerson E ◎ 379-4342
107★Pettigrew Joan
117 Condon Jesse W 379-4490
123 Todd Mary Mrs 376-3677
127 No Return
129★Marlow Carolyn 372-6029
2D ST INTERSECTS
215 Graham-Todd Motor Co Inc autos 376-3338
230 Vacant
3D ST INTERSECTS
305 Cummins Engine (Training Center) 379-5604
315 Vacant
315½ Apartments
1 Hollinger
2 Girl Scout Service Cntr
3 No Return
4★Ursa Wayne M
321 City Parking Garage
331 Sieco Inc (Addn Sp)
335 City Parking Lot
4TH ST INTERSECTS

7

500 Columbus Area Chamber Of Commerce Inc 379-4457
Columbus Economic Development Board organiz misc 379-4457
514 Lawson Pushor Mote & Coriden lwyrs 379-2331
522 Marshall C Richd lwyr 376-9281
Thomasson Michl lwyr 372-5785
Kirr Marbach & Co investment mgmnt 376-9444
538 Franklin Square Interiors Inc 372-8231
6TH ST INTERSECTS

1

603 Warner Leonard N
604 Hawes Insurance Agency 372-4426
Northwestern Mutual Life Insurance Co 376-9255

Target Street	Cross Street	Source
-	✓	Caron Directory Co

LAFAYETTE AVE 1981

4022 Cruser Timothy M ◎

9

LAFAYETTE AV —FROM 410 WATER NORTH

ZIP CODE 47201
30 Vacant
1ST ST ENDS
101 Farmers Marketing Assn (Stge)
118 Ridgley Lorman B 376-6139
120 Gray Bruce
121 Long Herman C 372-1448
2D ST INTERSECTS
205 Highway Oil Co (Side Ent)
224 Young Rodney painting contr 372-7427
3D ST INTERSECTS
305 Dairy Queen Drive-In (Parking)

7

4TH ST INTERSECTS
423 No Return
425★Brosseau Linda Mrs
425½★Frownfelter S
427 Apartments
1 Edgecomde Hazel Mrs 372-4797
2 Noe Bobbi J
3 Nagel Florence
4 Vacant
429 Apartments
2 Minor Florence B 372-0869
3 Cowles Florence
4★Rahn Wendy
5 Dohn
6 Stewart Mary 372-6742
5TH ST INTERSECTS

421 Terrace Lake Rd.

Tel. 342-47

Target Street	Cross Street	Source
-	✓	Caron Directory Co

2ND ST 1976

123 Goodyear Service Store
372-1557
BROWN ST INTERSECTS
333 Republic The newspaper
372-7811
JACKSON ST INTERSECTS
350 Law Enforcement Building
372-8271
City Judge 372-3300
City Police Dept 372-8271
County Jail 372-8474
County Sheriff 372-8474

9

WASHINGTON ST
INTERSECTS
410½ Fortner Hazel E 379-4695
★Specht Karl
419 Lutz Auto Sales used cars
376-3911
420 Vacant
437 Vacant
FRANKLIN ST INTERSECTS
503 Cross Lona Mrs ◎ 379-2281
509 Vacant
509½ Mc Gill Bertha Mrs
511 Alternatives Incorporated
youth org 376-9295
515 Vacant
515½ Ellington Fred 379-9733
523 Long Clarence 372-1273
525★Mc Cauley John
535 Wright's Clark Service Station
379-2919
LAFAYETTE AV INTERSECTS
601 Brummett Hyder ◎ 379-9430
605 Clark Ruth B 372-7915
609 Rea Leonard L
610 Highway Oil Co Station 726
379-2970
617 No Return
621★Webb Jay D
627 Vacant
633★Hardin James W
639 Hagan Patricia E Mrs
SYCAMORE ST BEGINS

2

705 Vacant

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1976

2D ST—Contd
711 Bob's Custom-Brushed Car Wash 372-3570
801 Bartholomew County Rural Electric Membership Corp light & power co 372-2546
806 Groh Instant Copy offset prntg 376-0030
808 Standard Oil Co 376-7594
828 Percifield's Radiator Shop 372-1442
CALIFORNIA BEGINS
VALLMER AV BEGINS
1075 Farmers Marketing Association Inc farm sup 379-9501
Farmers Marketing Association (Oil Pumps)
STATE STREET BRIDGE

17

3D ST —FROM WEST OF BROWN EAST (FOR CONTINUATION SEE STATE)

ZIP CODE 47201
101 Imperial Four Hundred Motel 372-2835
Pigman Olis
117 Fiesta Restaurant 372-2706
205 City Parking Lot
BROWN ST INTERSECTS

9

WASHINGTON ST INTERSECTS
419 Hinkle Realty 379-4859
Sinco Industries Inc plastic products 379-4497
419½ Vacant
425 Crump Theatre 376-6363
427 Driftwood Valley Arts Council Columbus Arts Guild
427½ Johnstone Tibbetts Engineering 379-2465
429 Savage Orville M acct 379-9091
430 State Employment Security Div 376-3351
431 Smart & Johnson Abstract Corp 376-9606
Crowder & Associates Inc 376-3391
435 Dalmbert & Marshall lwyrs 372-9958
436 Surrey Inn Restaurant
440 Surrey Motor Inn Inc 372-8841
FRANKLIN ST INTERSECTS
507 Elks Club No 521 379-4386
524 Bartholomew County Museum
527 Ogle Lonie Mrs 372-5915
Dampier Garnett Mrs
535 Vacant
541 Junior Achievement 372-9153
542 National Ice Co 376-3346
LAFAYETTE AV INTERSECTS
600 Vacant
611 Burger Chef Drive In 379-2886
616 Dairy Queen 372-9601
622 Piper Auto Sales used cars 372-0718
624★Davis Tony A
624½ Vacant
628 Arab Termite & Pest Control Of Columbus Inc 376-7575
630 Eynon & Coriden 372-2508
634 Columbus Twp Trustee 372-8249
636 Athens Realty 372-8201
655 Columbus Bank & Trust Co drive in bk 376-9201
PEARL ST BEGINS
702 Wagner Realty-Realtors 372-8445
702a Vacant
702b Wagner Wm
703 Knights Of Columbus Hall 376-7069
Knights Of Columbus Club 376-7069
Columbus Council No 1414 (K Of C) 376-7069
706 Farley Frank L
Rear Johnson Michl W 372-9541
713 Horn Wilbur L ◎ 379-9284
713½ Vacant
714 Wagner Elsie Mrs ◎ 376-3233
714½ Jones Marguerite 376-3933
723★Allman Vicki Mrs 379-4549
724 Lou La Bill's tavern 372-8917
725 Craig Realty 376-9231
728 Bloomenstock Matilda ◎ 372-4992
728½ Wright John T
730 Straub Mona D Mrs ◎ 376-6692
735 Ideal Barber Shop 372-1340
Turner Carl H ◎ 372-1340
738 Frohman Bessie ◎ 376-7885
SYCAMORE ST INTERSECTS

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1976

FRANKLIN DR—Contd
2920 Newlin Geo W ◎ 372-2648
2955 Watts H Wm ◎ 379-9655
2970 Charipar Peggy A Mrs ◎ 379-2219
2975 Wickstrom Otto
TIPTON LA INTERSECTS

9

FRANKLIN ST —NORTH INTERSECTING 436 1ST

ZIP CODE 47201
10 Miller Alva L fuel oil 379-4948
1ST ST INTERSECTS
103 Watson Nannie Mrs ◎ 379-4342
107 Sanford John F ◎ 379-4239
108 Campfield Dorothy 376-3294
110 Reeves Alice G
113 Vacant
114 Brumfield Leonard ◎ 376-7366
117 Hoeltke Alice B Mrs ◎ 379-9682
120 Vacant
120½ Vacant
123 Todd Mary Mrs 376-3677
127 Vacant
129 Long Jesse M
2D ST INTERSECTS
215 Graham-Todd Motor Co Inc autos 376-3338
230 Witte & Voelz lwyr 376-3363
3D ST INTERSECTS
305 Cummins Engine (Training Center) 379-5604
315 Vacant
315½ Apartments
1 Hagan Steve P 379-9485
2 Vacant
3 Vacant
4 Vacant
321 Parking Garage
331 Retirement Foundation Of Bartholomew County Inc 372-3709
Senior Products hdw bagging & misc 372-3709
Senior Center The 372-0661
335 City Parking Lot
4TH ST INTERSECTS

7

500 Columbus Area Chamber Of Commerce 379-9579
514 Lawson Pushor & Mote lwyrs 379-2331
522 Irwin Union Foundation 372-0251
Irwin-Sweeney-Miller Foundation 376-3331
538 Franklin Square Interiors Inc 372-8231
6TH ST INTERSECTS

1

603 Wolfe Alvin L 372-5425
604 Hawes Insurance Agency ins 372-4426
Northwestern Mutual Life Insurance Co 372-2858
606 Careers Center The emp agcy 372-3728
Garton Associates 379-9509
609 Carter Wm N ◎ 376-8832
613 Vacant
616 Vacant
617 Vacant
619 Vacant
620★Hopwell Larry J
620½ Stahl's Pro-Shop sporting goods
621 Video Access Center tv sys & equip closed circuit 372-8784
Columbus Educators Association
Columbus Women's Center 379-4648
621½ Webber Gary
622 Leist-Busse Apts
1★Haskamp Olivia
2 Bridgewater Ruth L Mrs 379-2872
3 Leist Geo A ◎ 379-4570
4 Busse Wynona A ◎ 379-4175
5 Head Molly
6★Spangler Tony

LAFAYETTE AVE 1976

2081 Vacant

9

LAFAYETTE AV —FROM 410 WATER NORTH

ZIP CODE 47201
30 Elkins Wm 372-6471
1ST ST ENDS
101 Farmers Marketing Assn (Stge)
118 Vacant
120 Vacant
121 Long Herman C 372-1448
2D ST INTERSECTS
205 Highway Oil Co (Side Ent)
224 Baurichter Eleanor M ◎ 379-9466
226 Smith Hattie
3D ST INTERSECTS
305 Dairy Queen Drive-In (Parking)

7

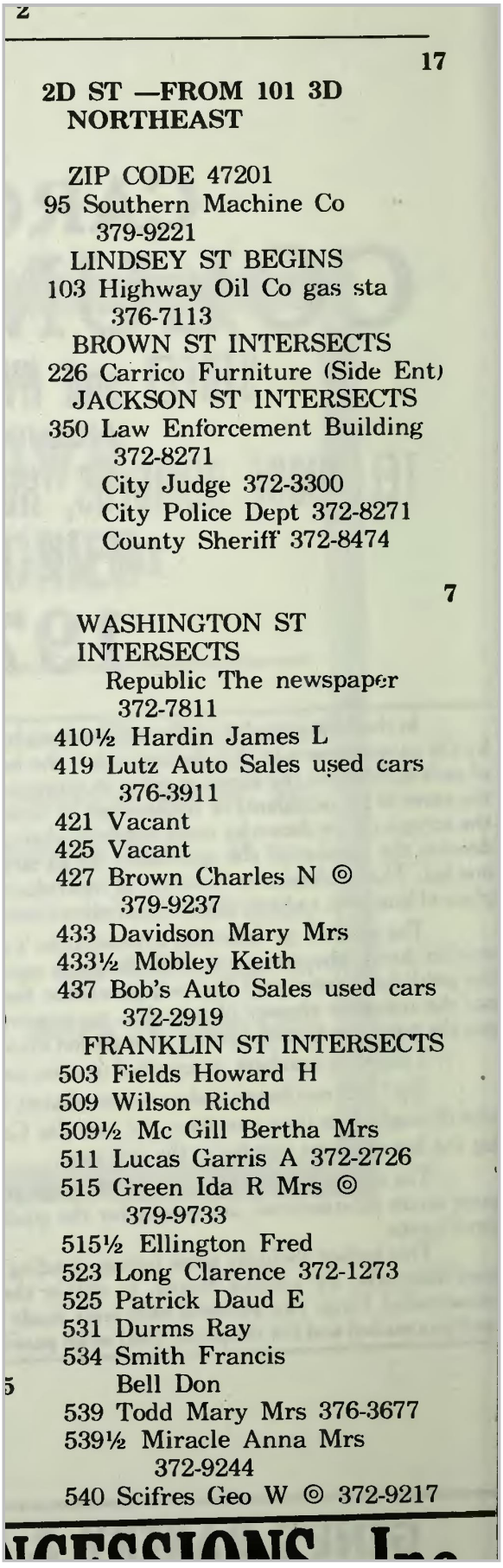
4TH ST INTERSECTS
423 Warner Edw A ◎
425 Hehman Bertha L
425½ Lucas Ethel M
427 Apartments
1★Edgecomde W H Mrs
2★Krieg Judy K
3 Vacant
4 Lentz Paul E 376-0419
429 Apartments
2 Minor Florence B 372-0869
3 Cowles Florence
4 Gilham Betty L
5 No Return
6★Thompson Cathy S
5TH ST INTERSECTS

1

6TH ST INTERSECTS
604★Sandford Sheridan 376-3867
608 Ricketts Russell L ◎ 372-5534
609 Lyster Mabel R Mrs ◎ 379-4364
611 Dobbins Marybelle K Mrs ◎ 379-4336
612★Mullins Charles W ◎ 372-6820

Target Street	Cross Street	Source
-	✓	Caron Directory Co

2ND ST 1971



2

17

2D ST —FROM 101 3D
NORTHEAST

ZIP CODE 47201
95 Southern Machine Co
379-9221
LINDSEY ST BEGINS
103 Highway Oil Co gas sta
376-7113
BROWN ST INTERSECTS
226 Carrico Furniture (Side Ent)
JACKSON ST INTERSECTS
350 Law Enforcement Building
372-8271
City Judge 372-3300
City Police Dept 372-8271
County Sheriff 372-8474

7

WASHINGTON ST
INTERSECTS
Republic The newspaper
372-7811
410½ Hardin James L
419 Lutz Auto Sales used cars
376-3911
421 Vacant
425 Vacant
427 Brown Charles N ◎
379-9237
433 Davidson Mary Mrs
433½ Mobley Keith
437 Bob's Auto Sales used cars
372-2919
FRANKLIN ST INTERSECTS
503 Fields Howard H
509 Wilson Richd
509½ Mc Gill Bertha Mrs
511 Lucas Garris A 372-2726
515 Green Ida R Mrs ◎
379-9733
515½ Ellington Fred
523 Long Clarence 372-1273
525 Patrick Daud E
531 Durms Ray
534 Smith Francis
5 Bell Don
539 Todd Mary Mrs 376-3677
539½ Miracle Anna Mrs
372-9244
540 Scifres Geo W ◎ 372-9217

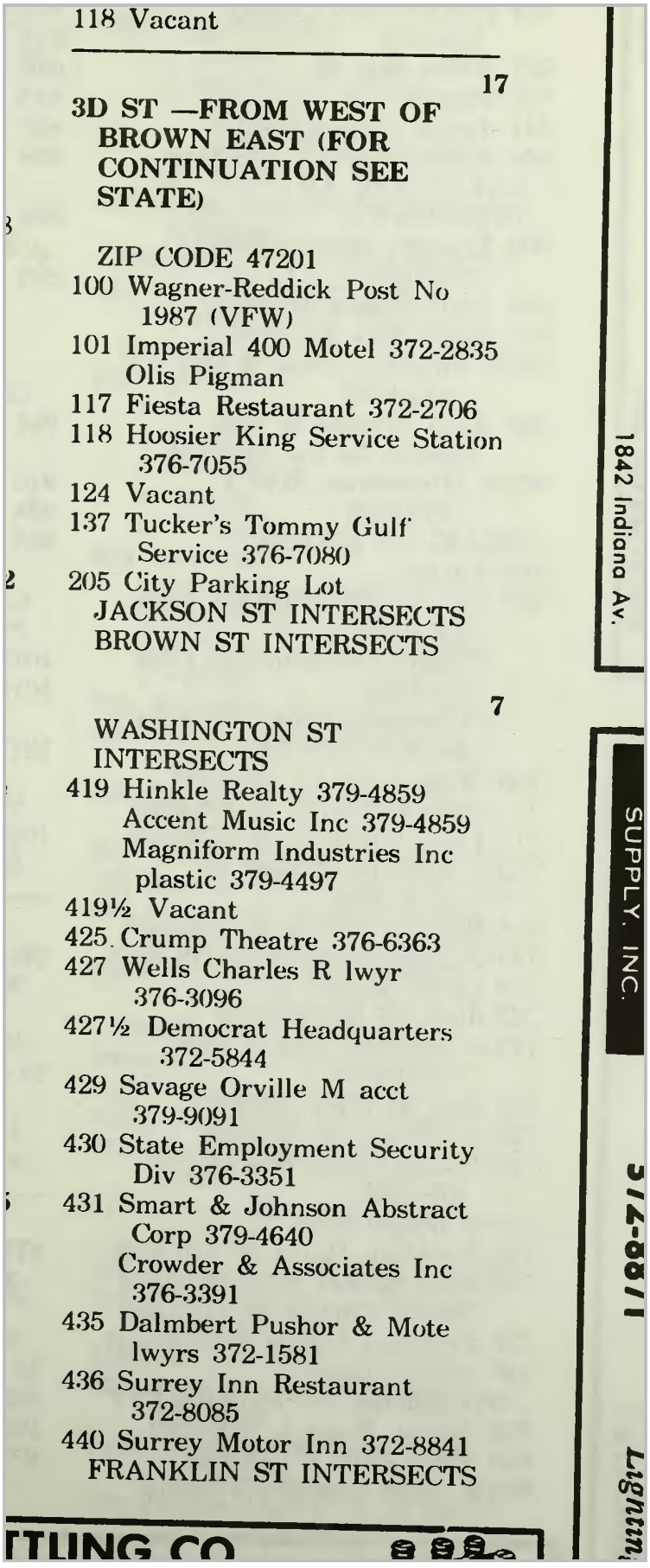
3

2D ST—Contd 97
LAFAYETTE AV 10
INTERSECTS 11
601 Brummett Hyder ◎ 11
379-9430 —
602 No Return
605 Clark Ruth 372-7915 3I
609 Winget Ronald ◎
610 Fields Thos ◎ 372-4947
616 Frazier Roudy
617 Hartwell Charles R 372-0958
620 Lawson John H 372-6525
621 Horn Alvin L ◎ 379-9965 10
622 Martin Edw R 376-6177
627 Bryant Seppia Mrs 376-8112 10
628 Hartwell Ross G 376-7562
633 Crouch Kenneth R 372-7600 11
639 Merideth Ralph 372-8198 11
660 Truex Norma J Mrs
376-6191 12
SYCAMORE ST BEGINS 13

2 20
705 Columbus Creosoting Co
treating 372-4441
711 Car Wash
801 Bartholomew County Rural
Electric Membership Corp
372-2546
806 Davis Dodge Sales & Service

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1971



118 Vacant

17

3D ST —FROM WEST OF BROWN EAST (FOR CONTINUATION SEE STATE)

ZIP CODE 47201

100 Wagner-Reddick Post No 1987 (VFW)

101 Imperial 400 Motel 372-2835
Olis Pigman

117 Fiesta Restaurant 372-2706

118 Hoosier King Service Station 376-7055

124 Vacant

137 Tucker's Tommy Gulf Service 376-7080

205 City Parking Lot

JACKSON ST INTERSECTS

BROWN ST INTERSECTS

7

WASHINGTON ST INTERSECTS

419 Hinkle Realty 379-4859
Accent Music Inc 379-4859
Magniform Industries Inc plastic 379-4497

419½ Vacant

425 Crump Theatre 376-6363

427 Wells Charles R lwyr 376-3096

427½ Democrat Headquarters 372-5844

429 Savage Orville M acct 379-9091

430 State Employment Security Div 376-3351

431 Smart & Johnson Abstract Corp 379-4640
Crowder & Associates Inc 376-3391

435 Dalmbert Pushor & Mote lwyrs 372-1581

436 Surrey Inn Restaurant 372-8085

440 Surrey Motor Inn 372-8841

FRANKLIN ST INTERSECTS

1842 Indiana Av.

SUPPLY, INC.

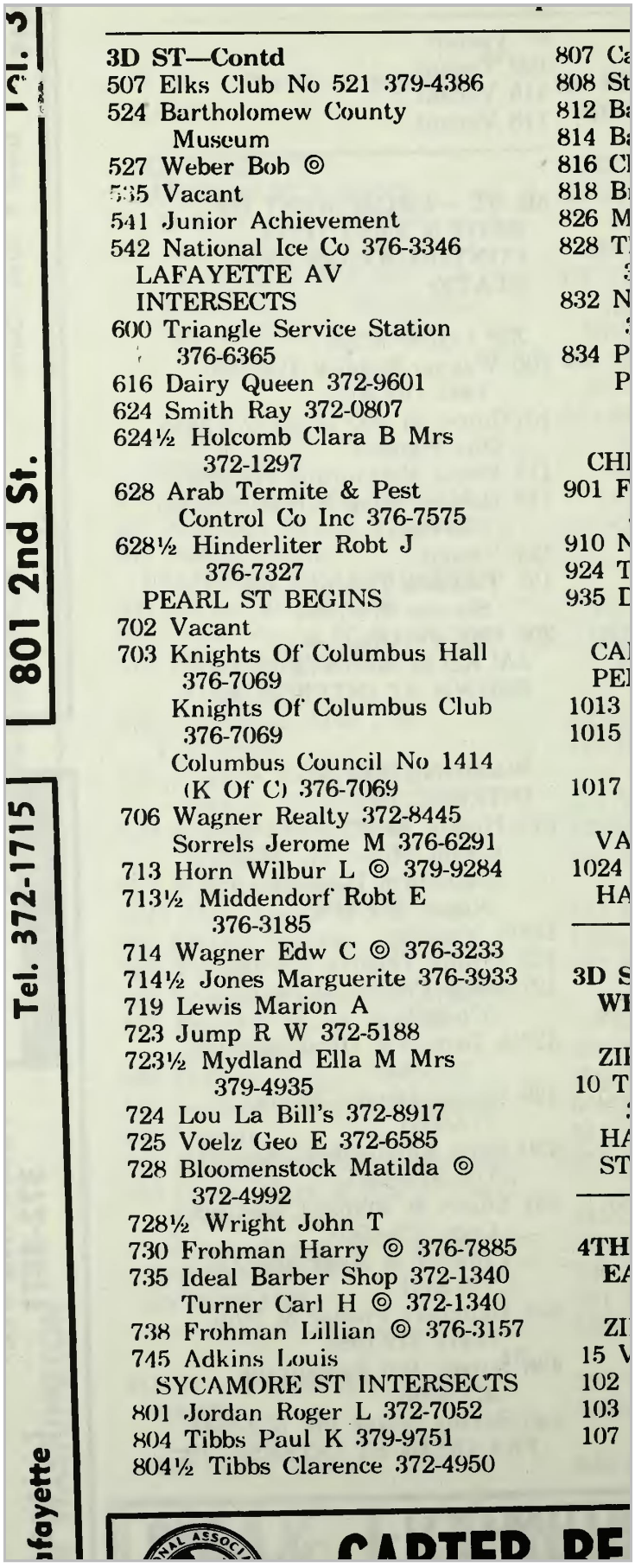
372-8871

Lightn

TTLING CO

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1971



801 2nd St.

Tel. 372-1715

3D ST—Contd
507 Elks Club No 521 379-4386
524 Bartholomew County Museum
527 Weber Bob ◎
535 Vacant
541 Junior Achievement
542 National Ice Co 376-3346
LAFAYETTE AV INTERSECTS
600 Triangle Service Station 376-6365
616 Dairy Queen 372-9601
624 Smith Ray 372-0807
624½ Holcomb Clara B Mrs 372-1297
628 Arab Termite & Pest Control Co Inc 376-7575
628½ Hinderliter Robt J 376-7327
PEARL ST BEGINS
702 Vacant
703 Knights Of Columbus Hall 376-7069
Knights Of Columbus Club 376-7069
Columbus Council No 1414 (K Of C) 376-7069
706 Wagner Realty 372-8445
Sorrels Jerome M 376-6291
713 Horn Wilbur L ◎ 379-9284
713½ Middendorf Robt E 376-3185
714 Wagner Edw C ◎ 376-3233
714½ Jones Marguerite 376-3933
719 Lewis Marion A
723 Jump R W 372-5188
723½ Mydland Ella M Mrs 379-4935
724 Lou La Bill's 372-8917
725 Voelz Geo E 372-6585
728 Bloomenstock Matilda ◎ 372-4992
728½ Wright John T
730 Frohman Harry ◎ 376-7885
735 Ideal Barber Shop 372-1340
Turner Carl H ◎ 372-1340
738 Frohman Lillian ◎ 376-3157
745 Adkins Louis
SYCAMORE ST INTERSECTS
801 Jordan Roger L 372-7052
804 Tibbs Paul K 379-9751
804½ Tibbs Clarence 372-4950

807 Ca
808 St
812 Ba
814 Ba
816 Cl
818 Bi
826 M
828 T
832 N
834 P
P
CHI
901 F
910 N
924 T
935 D
CA
PE
1013
1015
1017
VA
1024
HA
3D S
WI
ZI
10 T
HA
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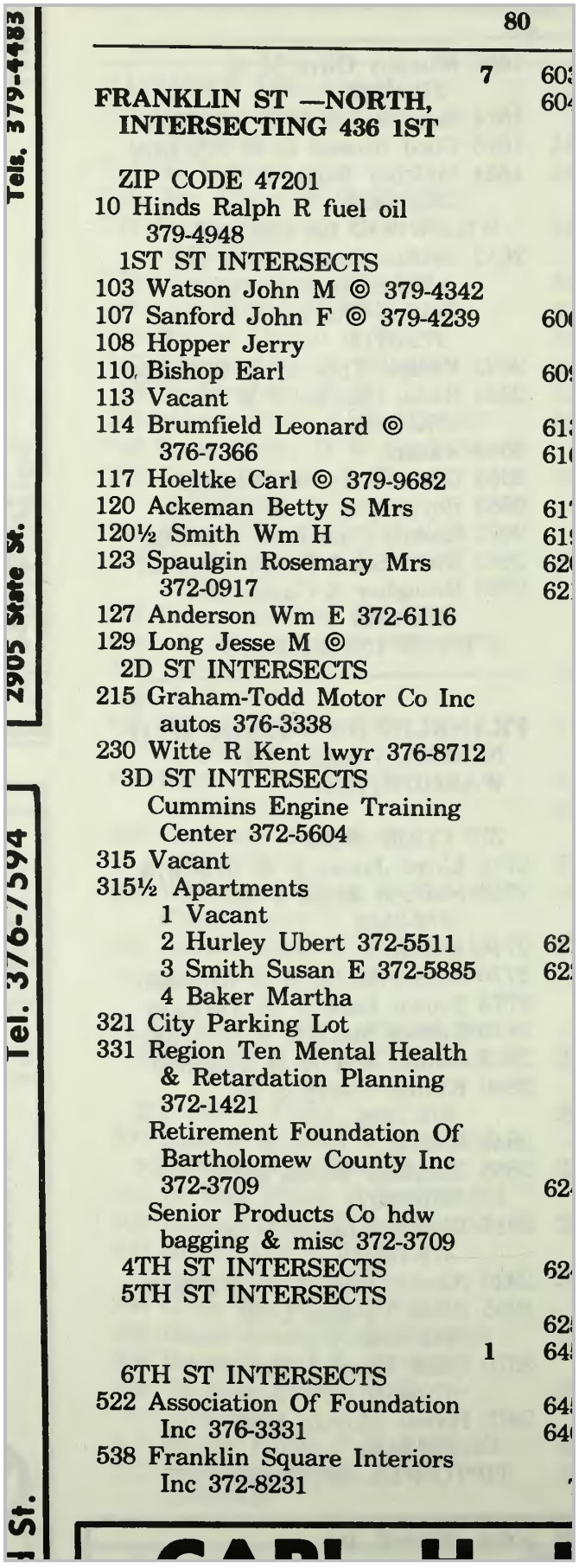
102
103
107

CARTER RE

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1971



7

FRANKLIN ST —NORTH, INTERSECTING 436 1ST

ZIP CODE 47201

10 Hinds Ralph R fuel oil 379-4948

1ST ST INTERSECTS

103 Watson John M ◎ 379-4342

107 Sanford John F ◎ 379-4239

108 Hopper Jerry

110 Bishop Earl

113 Vacant

114 Brumfield Leonard ◎ 376-7366

117 Hoeltke Carl ◎ 379-9682

120 Ackeman Betty S Mrs

120½ Smith Wm H

123 Spaulgin Rosemary Mrs 372-0917

127 Anderson Wm E 372-6116

129 Long Jesse M ◎

2D ST INTERSECTS

215 Graham-Todd Motor Co Inc autos 376-3338

230 Witte R Kent lwyr 376-8712

3D ST INTERSECTS

Cummins Engine Training Center 372-5604

315 Vacant

315½ Apartments

1 Vacant

2 Hurley Ubert 372-5511

3 Smith Susan E 372-5885

4 Baker Martha

321 City Parking Lot

331 Region Ten Mental Health & Retardation Planning 372-1421

Retirement Foundation Of Bartholomew County Inc 372-3709

Senior Products Co hdw bagging & misc 372-3709

4TH ST INTERSECTS

5TH ST INTERSECTS

1

6TH ST INTERSECTS

522 Association Of Foundation Inc 376-3331

538 Franklin Square Interiors Inc 372-8231

Target Street	Cross Street	Source
-	✓	Caron Directory Co

LAFAYETTE AVE 1971

KENTUCKY AV—Contd
2801 Rukes Zora B ◎ 372-1166
2805 Burton Gordon ◎ 376-7329
2825 Noblitt Roy ◎ 372-5378
2875 Vacant
2895 Raley Welba C ◎ 372-9161
WEHMEIER ENDS
2905 Stewart Larry L
2925 Noblitt Donald 372-9742
2945 Roth Lester H ◎ 372-9886

6

KERR AV —FROM END OF 4TH N, WEST OF PLEASANT GROVE

ZIP CODE 47201
322 Cummins Engine Co (Annex)

7

LAFAYETTE AV —FROM 410 WATER NORTH

ZIP CODE 47201
1ST ST ENDS
101 Farmers Marketing Assn (Stge)
118 Vacant
120 Vacant
121 Long Herman C 372-1448
124 Strobeck Wm G
Rear Patton Rosalie Mrs 376-6452
124½ Vacant
2D ST INTERSECTS
205 Elkins John 372-4058
205½ Nelson Robt
219 Elkins Wm 372-9687
221 Vacant
223 Golden Hershall
224 Baurichter Eleanor ◎ 379-9466
226 No Return
226½ Vacant
3D ST INTERSECTS
305 Dairy Queen Drive-In (Parking)
4TH ST INTERSECTS
423 Vacant
425 Walls Mary J 372-8362
425½ Higgins Le Ann 372-6855
427 Apartments
1 Kelly L Blanche Mrs 372-3614
2 Greene John A 372-0069
3 Ferringer Bernard 372-4394
4 Graham Cheryl 372-2388
429 Apartments
2 Minor Florence 372-0869
3 Cowles Florence Mrs 372-1327
4 No Return
5 Boswell Don 379-4625
6 Cooper Bob
5TH ST INTERSECTS

1

6TH ST INTERSECTS
604 Murphy Theo S ◎ 379-9126
604½ Richardson Brent 372-5580
608 Yadon Elwood G 372-6765
609 Lyster Mabel R Mrs ◎ 379-4364
611 Dobbins Marybelle K Mrs ◎ 379-4336
612 Childers Webster 372-9303
616 Whitehorn Elsie M Mrs ◎ 376-8498
619 Brandenburger Harold J ◎ 379-9428
621 Faulkner W Edw ◎ 372-5486
623 Frohman Amson ◎ 376-3985
624 Hawes Earl W ◎ 376-3248
625 Lawson Ellamae Mrs
628 Shumaker Josephine H Mrs 376-3531
632 Seward Evelyn C ◎ 379-4638
637 Apartments
1 Scott John C 376-6542
2 Mc Kee Michael
3 Robinson Ron 372-0625
4 Artis Carolyn
5 Stamper Bill
6 Boggs Gary
7 Michael Dan
8 Leas Elmer G
9 Starke David
10 Goins David L
638 Pearce Agnes Mrs ◎ 372-1203
644 Billman Ralph C 372-6394
645 Brown Anna N Mrs ◎ 376-3244

Columbus Shopping Center—Tel. 372-1594

1st—Contd
523 Blair Tillie E Mrs © 372-5815
Cottrill Marion
524 Abner James B © 372-6909
525 Romine Harry C © 376-8930
527 Vacant
528 Foist Anna L Mrs © 376-6794
529 Sweeney Rhea G Mrs 376-6285
531 Taylor Walter R
531½ Vacant
534 Head Mary C Mrs
Rich Leona 372-6892
Collins Dorothy
538 Robbins Lee
Nay Betty J Mrs
Foster Alice Mrs 372-5373
rear England Wm
538½ Robinnette Wm
Lafayette av intersects

1

2D — From White River east
95 Southern Mach Co 379-9221
103 Highway Oil Co 376-7113
111 Cols Furn Exch & Auction 372-4513
111½ Vacant
112 Vacant
113-15 Vacant
113½ Vacant
116 Bennett Earl S © 376-7564
117 Bob's Radio-TV Sales 372-6600
118 Buck Craig K 379-4902
Davidson Wanda
120 Vacant
121 Perry Louis G 372-4618
122 Foster Lydia R Mrs © 376-8585
122½ Floyd Coleman
123 Bennett Ed J © 379-9201
125 Burton Donald
128 Johnson Luther D
Ballard Wendell
Brown intersects
204 Campbell Theda E Mrs 376-8910
206 Golden Hershall
rear Poynter Roy
213 Hudson Everett L © 376-3548
213½ Banks Larry
214 Vacant
215 Frohman Lillian © 376-3127
221 West Eunice K Mrs
224 Beatty Webber W © 376-6385
224½ Littiken Emma M
226 Vacant
227-29 Fivecoat & Denny poultry & eggs 379-4113
235 OK Tire Co 379-4606

1B1

Jackson intersects
303 Lutz Auto Sls 376-3911
307 Vacant
311 Havron Jas pntr
McCord Laura M Mrs © 379-9736
319 Lee's Tire Serv 372-2567
321 Batton Orvena Mrs
323 Hodapp Ralph C
329 Sutter Fredk M Inc autos 379-9511
350 **Law Enforcement Bldg** 372-8271
City Atty 372-8227
City Judge
Police Dept 372-8271
County Sheriff
Washington intersects
410½ No return
416 Wells Amanda Mrs 372-7146
419 Sutter Fredk M Inc (used car lot)
420 Perdue Gerry T
421 Hatchett Millard 372-6773
425 Percified Brewster © 376-3225
427 Cook Emma A Mrs © 376-3963
430 Lincoln Sch 379-9942
433 Brennan Harry E 376-8667
437 Bob's Auto Sls used cars 372-2919
Franklin intersects
503 Settle Ella Mrs © 376-6404
509 McGill Bertha Mrs 376-6547
511 Vacant
515 Green Ida R Mrs © 379-9733
522 Patrick David E 372-5455
523 Termehlen Ellen Mrs ©
525 Harden Steve W
528 Vacant
531 Zeigler Mary C Mrs 376-3131
534 Co-Z Home Improvement Co bldg contrs 372-1655
539 Bennett Noble L
539½ Hill Jas C
540 Schaefer Effie Mrs © 372-6095
Lafayette av intersects
601 Brummett Hyder © 379-9430
Walls Carolyn Mrs
602 Elkins John G 372-4058
605 Clark Ruth 372-7915
609 Frohman Maurice © 376-7741
610 Hyden Roy G 372-1248
616 Merle Eva B Mrs © 376-8477
617 Jordan Estella R Mrs 376-6060
620 Hartwell Ross
621 No return
622 Martin Edw R 376-6177
623 Vacant
628 No return
633 No return
636 Jines Pearl Mrs

Target Street	Cross Street	Source
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3RD ST 1966

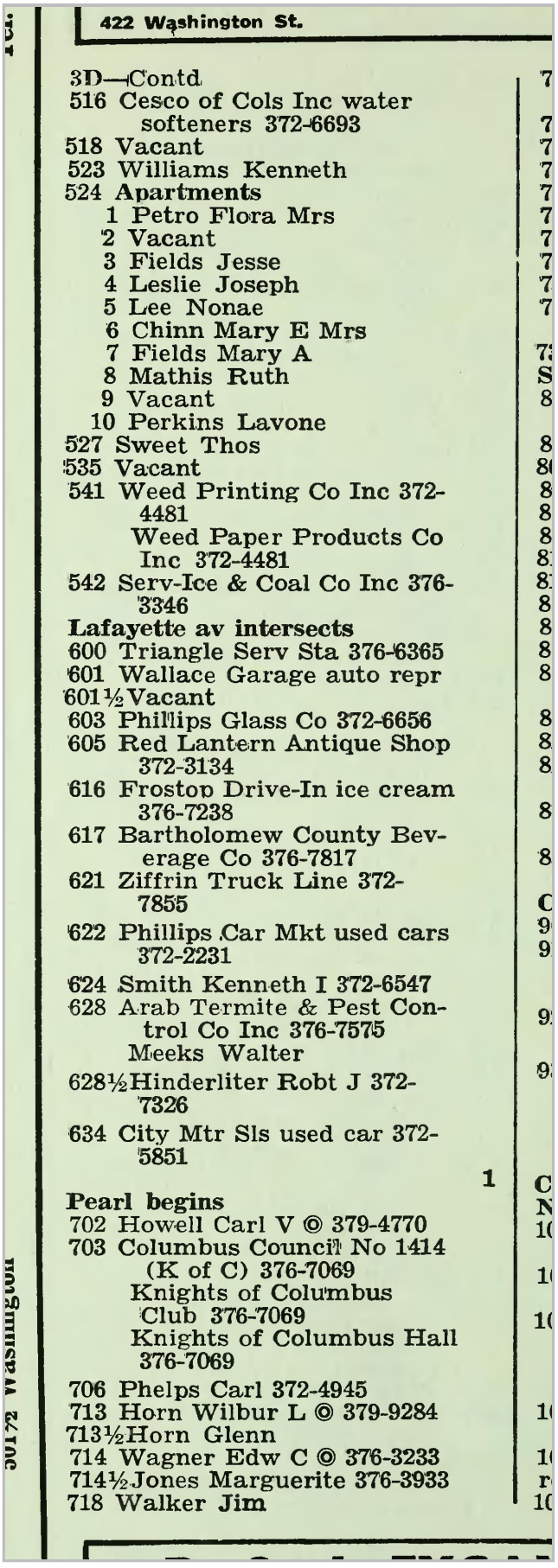
2D—Contd
639 Vacant
640 Campfield Ida Mrs
Campfield Morris jr trucking
642 Sanford Wm F
648 Vacant
652 Condon Jesse W
652½ Fields Thos
660 Truex Harley C 376-6191
Sycamore begins
705 Cols Wood Preserving Co 372-4441
801 Bartholomew County Rural Elec Membership Corp 372-2546
806 Ward-Schlichter Co autos 372-8246
808 Standard Oil Co (bulk plant) 376-7594
828 Schneider Implt Co (whse) 376-3125
1012 Jenkins Edith A Mrs 376-8281
Matthews Margt E Mrs
Vollmer av begins
1131 Farmer's Marketing Assn (oil pumps)
1136 Farmers Marketing Assn Inc 379-9501
1203 Ziegler Boat Co bldr 372-2112
State Street Bridge

1B1

3D — From west of Brown east (for continuation see State)
100 Wagner-Reddick Post No 1987 (VFW)
101 Imperial 400 Motel 372-2835
117 Fiesta Restr 372-2706
118 Hoosier King Serv Sta 376-7055
124 Pelley Standard Service 376-7280
137 Tucker's Tommy Gulf Serv 376-7080
Brown intersects
200 Clark's Super 100 376-7081
205-13 City Parking Lot
212 Perkins R L © 372-3696
Hook Daisy Mrs
218 Petro Benj H © 379-4578
220 Wilson Herbert H © 372-5210
Colvin Walter A
223 Houk James L Agcy ins 372-5631
Jackson intersects
Brown intersects
302 Goodrich B F Co tires 379-4417
304 Vacant
304½ Vacant
306 Hinkle Music Hse 379-4859
Hinkle Cloyd Agcy real est 379-4859
306½ Accent Music Inc publ 379-4859
308 Vacant
310 Vacant
312 Hubert's Bar & Grill 376-8797
316 Third Street Cafe restr 376-7152
318 Vacant
318½ Vacant
320 Vacant
320½ Vacant
322 Vacant
324 Vacant
326 Lou La Bill's tavern 376-7006
326½ Goetz Louise M Mrs 372-3885
330 Vacant
332 Smart & Johnson Abstract Corp 379-4640
332½ Smith Moss
West Detman
Washington intersects
419 Indianapolis Life Ins Co 376-3315
419½ Campbell Clarence 376-7855
422 Rosebery Ralph W osteo 376-6254
424 US Army Recruiting Ofc 372-4636
425 Crump Theatre 376-6363
426 Gause Cafe restr 379-4519
427 Dobbins King & Cline lwyrs 379-9533
427½ Vacant
428 Belvedere Hotel 376-3321
429 Savage O M Acct 379-9091
430 State Emp Serv 376-3351
431 Crowder & Associates Inc consulting eng 376-3391
Bartholomew Title Inc abstractors 372-2551
432 Columbus Abstract Co Inc 376-3923
Columbus Ins & Realty Agcy 372-2144
Jones Paul S eng civ 376-3923
Community Planning Consultant surveyors 376-3923
Gilliland Ins Agcy 732-2144
435 Phillips Stevenson & Wells lwyrs 372-8227
Franklin intersects
500 Cummins Engine Co (ofc)
507 Elks Club No 521 379-4386

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1966



422 Washington St.

3D—Contd
516 Cesco of Cols Inc water softeners 372-6693
518 Vacant
523 Williams Kenneth
524 **Apartments**
1 Petro Flora Mrs
2 Vacant
3 Fields Jesse
4 Leslie Joseph
5 Lee Nonae
6 Chinn Mary E Mrs
7 Fields Mary A
8 Mathis Ruth
9 Vacant
10 Perkins Lavone
527 Sweet Thos
535 Vacant
541 Weed Printing Co Inc 372-4481
Weed Paper Products Co Inc 372-4481
542 Serv-Ice & Coal Co Inc 376-3346
Lafayette av intersects
600 Triangle Serv Sta 376-6365
601 Wallace Garage auto repr
601½ Vacant
603 Phillips Glass Co 372-6656
605 Red Lantern Antique Shop 372-3134
616 Frostop Drive-In ice cream 376-7238
617 Bartholomew County Beverage Co 376-7817
621 Ziffrin Truck Line 372-7855
622 Phillips Car Mkt used cars 372-2231
624 Smith Kenneth I 372-6547
628 Arab Termite & Pest Control Co Inc 376-7575
Meeks Walter
628½ Hinderliter Robt J 372-7326
634 City Mtr Sls used car 372-5851

1

Pearl begins
702 Howell Carl V © 379-4770
703 Columbus Council No 1414 (K of C) 376-7069
Knights of Columbus Club 376-7069
Knights of Columbus Hall 376-7069
706 Phelps Carl 372-4945
713 Horn Wilbur L © 379-9284
713½ Horn Glenn
714 Wagner Edw C © 376-3233
714½ Jones Marguerite 376-3933
718 Walker Jim

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1966

2693 Brougher E Curtis © 372-4920

1B1

FRANKLIN — From Water north

10 Hinds Ralph R fuel oil 379-4948

1st intersects

103 Watson John M © 379-4342

107 Smith James

108 Welmer Gladys M Mrs 379-4861

110 Vacant

113 Halley Bobbie G

114 Brumfield Leonard © 376-7366

117 Hoeltke Carl © 379-9682

120 Schultz Eliz Mrs ©

123 Fitch Alonzo E © 376-8467

127 Miller Dian 376-8633

129 Censor Paula 376-8633

2d intersects

215 Graham-Todd Mtr Co Inc autos 376-3338

230 Vacant

3d intersects

314 Vacant

315 Brock Sls & Serv (annex) used appliance 376-6872

315½ Vacant

'AVATING Inc

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1966

11th AT MICHIGAN

Franklin—Contd
316 Elizabeth The beauty shop 372-1227
318 Democratic Hq 372-6555
320 Cols Twp Trustee 372-8249
321-31 City Parking Lot
331 Retirement Foundation of Bartholomew County Inc 372-3709

4th intersects
5th intersects
500 Cummins Engine Co Inc (addn ofc)
522 **Apartments**
1 No return
2 Vest Wm
3 Moore Eva
4 Zeigler Helen F
5 Kaufman Mary E
6 Metler Mary E
7 Vacant
8 Ferguson Eliz

526 Whittaker Mayme Mrs 372-6572
rear Turner Kath Mrs 372-3260
538 **Apartments**
1 Elkins Gene
2 Vacant
3 Glasson Millard M pest control 376-6517
4 Wright Harris J
5 Murphy Marjorie
6 Hill Stella Mrs

6th intersects
603 Wolfe Alvin L 372-5425
604 Buchanan & Sons Bargain Corner Inc furn
609 Carter Lere N Mrs © 376-8832
613 Corzina A Belle © 376-7396
615 Hammond Chas D ©
616 Buchanan & Sons Furniture Inc (side ent)
617 Lawson Ella Mae Mrs © 376-3167
619 Innis Lu beauty shop 376-7274
620 Nagel Geo H © 379-4894
621 Nickerson Ins Agcy 372-2312
Bartholomew County Tuberculosis Assn 379-4119
Stott Opal Mrs beauty shop

322-472 Cummings Eng Co (annex)

1

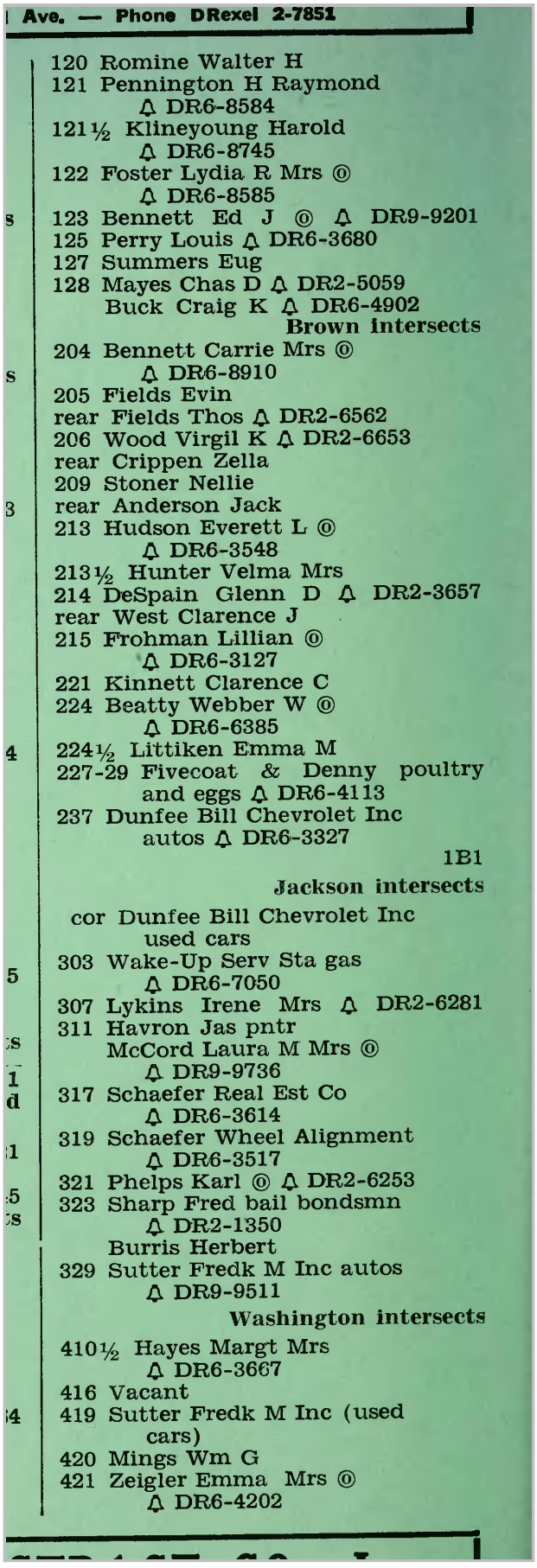
LAFAYETTE AV — From south of Water north, 2 east of Washington

20 Vacant
1st ends
101 Farmers Marketing Association (stge)
118 Hammond Evelyn Mrs 372-6112
120 Stillabower Arnold J
121 Long Herman C 372-1448
124 Strobeck Wm G 372-5024
rear Wade David
124½ Burton Wm J
2d intersects
202 Vacant
219 Barger Willie M Mrs 372-5825
6
221 Vacant
223 Zamparria Ellamae Mrs
224 Baurichter Eleanor © 379-9466
225 Macy Dean L 372-5193
6
3d intersects
305 Serv-Ice (parking)
321 Vacant
4th intersects
423 No return
425 Sullivan Deanna M
6
425½ Lunebrink Fredrick R
427 Simpson Patricia
427½ Anderson Sheila
James Diana S
429 **Apartments**
2 Vacant
3 Smith Martha
4 Harman Dorothy
5 Goodin Chas T
6 Kuzatz Klaus D
5th intersects
528-34 City Park
6th intersects
603 Vacant
604 Murphy Theo S © 379-9126
604½ Abel Geo
608 Gray Russell
609 Lyster Mabel R Mrs © 379-4364

& DELICATESSEN

Target Street	Cross Street	Source
-	✓	Caron Directory Co

2ND ST 1961



Ave. — Phone DRexel 2-7851

120 Romine Walter H
121 Pennington H Raymond
DR6-8584
121½ Klineyoung Harold
DR6-8745
122 Foster Lydia R Mrs ⓪
DR6-8585
123 Bennett Ed J ⓪ DR9-9201
125 Perry Louis DR6-3680
127 Summers Eug
128 Mayes Chas D DR2-5059
Buck Craig K DR6-4902

Brown intersects

204 Bennett Carrie Mrs ⓪
DR6-8910
205 Fields Evin
rear Fields Thos DR2-6562
206 Wood Virgil K DR2-6653
rear Crippen Zella
209 Stoner Nellie
rear Anderson Jack
213 Hudson Everett L ⓪
DR6-3548
213½ Hunter Velma Mrs
214 DeSpain Glenn D DR2-3657
rear West Clarence J
215 Frohman Lillian ⓪
DR6-3127
221 Kinnett Clarence C
224 Beatty Webber W ⓪
DR6-6385
224½ Littiken Emma M
227-29 Fivecoat & Denny poultry and eggs DR6-4113
237 Dunfee Bill Chevrolet Inc autos DR6-3327
1B1

Jackson intersects

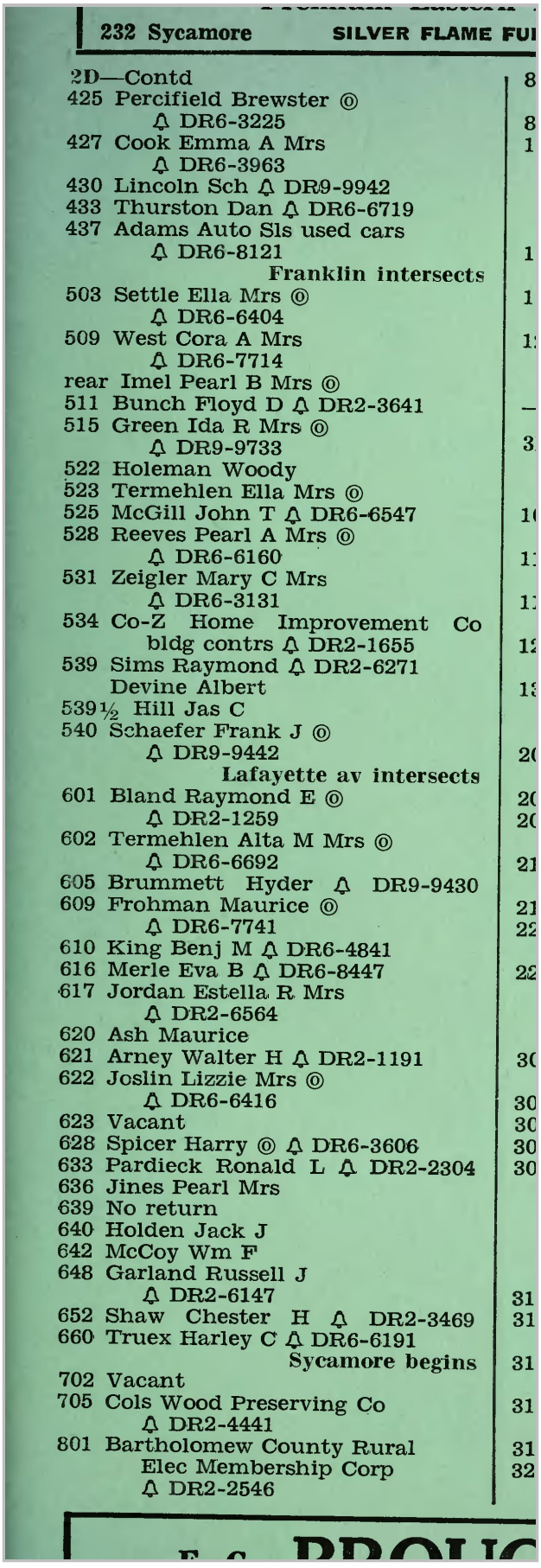
cor Dunfee Bill Chevrolet Inc used cars
303 Wake-Up Serv Sta gas
DR6-7050
307 Lykins Irene Mrs DR2-6281
311 Havron Jas pntr
McCord Laura M Mrs ⓪
DR9-9736
317 Schaefer Real Est Co
DR6-3614
319 Schaefer Wheel Alignment
DR6-3517
321 Phelps Karl ⓪ DR2-6253
323 Sharp Fred bail bondsmn
DR2-1350
Burris Herbert
329 Sutter Fredk M Inc autos
DR9-9511

Washington intersects

410½ Hayes Margt Mrs
DR6-3667
416 Vacant
419 Sutter Fredk M Inc (used cars)
420 Mings Wm G
421 Zeigler Emma Mrs ⓪
DR6-4202

Target Street	Cross Street	Source
-	✓	Caron Directory Co

2ND ST 1961



232 Sycamore SILVER FLAME FU

2D—Contd
425 Percifield Brewster ◎
△ DR6-3225
427 Cook Emma A Mrs
△ DR6-3963
430 Lincoln Sch △ DR9-9942
433 Thurston Dan △ DR6-6719
437 Adams Auto Sls used cars
△ DR6-8121
Franklin intersects
503 Settle Ella Mrs ◎
△ DR6-6404
509 West Cora A Mrs
△ DR6-7714
rear Imel Pearl B Mrs ◎
511 Bunch Floyd D △ DR2-3641
515 Green Ida R Mrs ◎
△ DR9-9733
522 Holeman Woody
523 Termehlen Ella Mrs ◎
525 McGill John T △ DR6-6547
528 Reeves Pearl A Mrs ◎
△ DR6-6160
531 Zeigler Mary C Mrs
△ DR6-3131
534 Co-Z Home Improvement Co
bldg contrs △ DR2-1655
539 Sims Raymond △ DR2-6271
Devine Albert
539½ Hill Jas C
540 Schaefer Frank J ◎
△ DR9-9442
Lafayette av intersects
601 Bland Raymond E ◎
△ DR2-1259
602 Termehlen Alta M Mrs ◎
△ DR6-6692
605 Brummett Hyder △ DR9-9430
609 Frohman Maurice ◎
△ DR6-7741
610 King Benj M △ DR6-4841
616 Merle Eva B △ DR6-8447
617 Jordan Estella R Mrs
△ DR2-6564
620 Ash Maurice
621 Arney Walter H △ DR2-1191
622 Joslin Lizzie Mrs ◎
△ DR6-6416
623 Vacant
628 Spicer Harry ◎ △ DR6-3606
633 Pardieck Ronald L △ DR2-2304
636 Jines Pearl Mrs
639 No return
640 Holden Jack J
642 McCoy Wm F
648 Garland Russell J
△ DR2-6147
652 Shaw Chester H △ DR2-3469
660 Truex Harley C △ DR6-6191
Sycamore begins
702 Vacant
705 Cols Wood Preserving Co
△ DR2-4441
801 Bartholomew County Rural
Elec Membership Corp
△ DR2-2546

205-13 City Parking Lot
208 Griffith Lula Mrs ⓞ
🔔 DR6-3171
212 Perkins R L ⓞ
Hook Daisy Mrs 🔔 DR2-3696
218 Petro Benj H ⓞ 🔔 DR6-4578
220 Wilson Herbert H ⓞ
🔔 DR2-5210
223 Dickens Walter used furn
🔔 DR2-1136
Jackson intersects
1B1
302 Goodrich B F Co tires
🔔 DR6-4417
304 Peacock Inn restr
304½ Vacant
306 Hinkle Music Hse 🔔 DR6-4859
306½ Accent Music Inc publ
🔔 DR6-4859
Amp Records mfrs and dlrs
🔔 DR6-4859
Hinkle Agcy entertainment
🔔 DR6-4859
310 Jay C Store gros 🔔 DR6-7123
312 Mabel's Bar & Grill tavern
🔔 DR6-8797
316 Third St Cafe restr
🔔 DR6-7098
318 Wagon Wheel Cafe tavern
🔔 DR6-7029
318½ Martin Wm
320 McQueen Roy E restr
🔔 DR6-7059

Target Street	Cross Street	Source
-	✓	Caron Directory Co

3RD ST 1961

3D—Contd
320½ Piercefield Ruth Mrs
DR6-7446
324 Murray Elmer E barber
326 Farmers Home Tavern restr
DR6-7004
326½ Goetz Marshall B
330 Vacant
332 Straub's Refgr Sls Serv
DR6-6373
332½ Jones Carl
Shafer Jas
Waddle Shirley Mrs
334½ Haskett Alma
336 Bob & Earl's Barber Shop
DR6-7167

Washington intersects

419 Indianapolis Life Ins Co
DR6-3315
419½ Seibert Edw P
Campbell Clarence
DR6-7855
Kirk Ruby E Mrs
DR2-6443
422 Rosebery Ralph W osteo
DR6-6254
424 Ernie's Record Shop
DR2-3441
425 Crump Theatre DR6-6363
426 Gause Cafe restr DR6-4519
427 Dobbins King & Cline lwyrs
DR9-9533
427½ Crowder G A & Assoc cons eng DR2-3868
428 Belvedere Hotel DR6-3321
429 Girl Scout (exec ofc)
DR6-8439
430 State Emp Serv DR6-3351
US Vets Emp Serv DR6-3351
431 Girls Club of Columbus
DR6-4817
Columbus Foundation for Youth
432 Columbus Abstract Co Inc
DR6-3923
Columbus Ins & Realty Agcy
DR2-2144
Jones Paul S eng civ
DR6-3923
Community Planning Consultant-survey DR6-3923
Gilliland Clarence S ins
DR2-2144
433 Vacant

Franklin intersects

500 Cummins Engine Co (stge)
507-15 Columbus Lodge No 521 (BPOE)
516 B & H Elec Co contrs
DR6-8977
518 Columbus Appliance Serv Inc DR2-4454
523 Cory Geo H DR2-2393
524 Apartment
1 Guy Jas W
2 Miller Clara C
3 Bowman Anna M Mrs
4 Sidwell Chester
5 Hayes Otis E
6 Chinn Mary E Mrs
7 Vacant
8 Vacant
10 Vacant

Street continued

527 Hall Jas A
535 Smith Ray D
541 Weed Printing Co Inc
DR2-4481
542 Serv-Ice & Coal Co Inc
DR6-3346

Lafayette av intersects

600 Triangle Serv Sta DR6-6365
601 Stitsworth Garage auto repr
DR2-1610
601½ Banner Whitehill Corp (stge)
603 No return
605 Banner Whitehill Corp (stge)
616 Frostop ice cream
617 Bartholomew County Beverage Co DR6-7817
621 Ziffin Truck Line
DR2-7855
622 Phillips Car Mkt used cars
DR2-2231
624 No return
628 Arab Termite Pest Control
DR6-7575
628½ Vacant
634 City Mtr Sls used car
DR2-5851
637 Lucas Leon
637½ Isaac Chas T

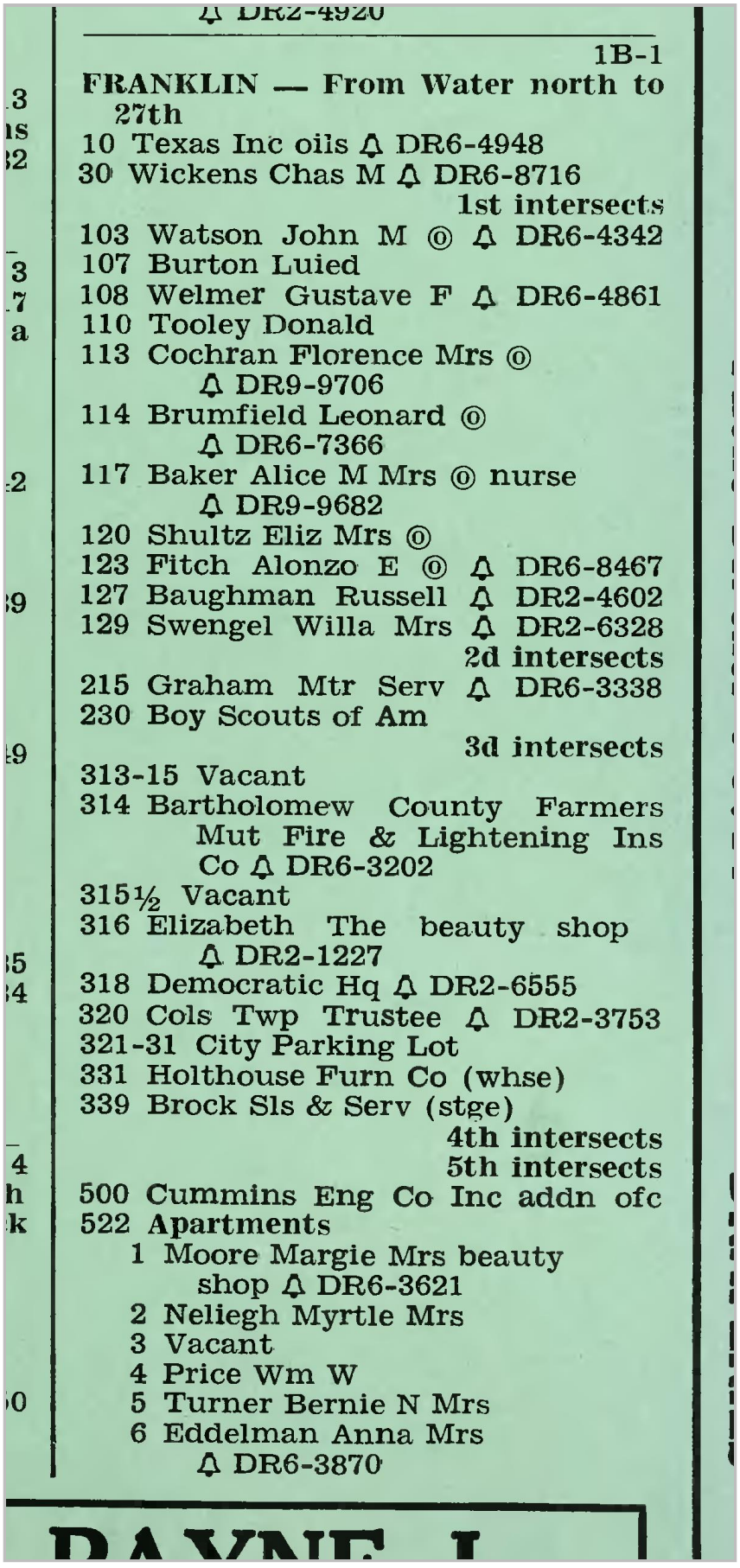
Pearl begins

702 Howell Carl V ⓪ DR6-4770
703 K of C Hall DR6-7069
Cols Council No 1414 K of C
DR6-7069
K of C Club DR6-7069
706 Torrence David L DR2-3262
713 Horn Wilbur L ⓪ DR9-9284
713½ McIntyre Harold
714 Wagner Edw C ⓪ DR6-3233
718 Eggleston Robt C ⓪
DR2-3430
718½ Jones Marguerite
DR6-3933
719 Pressler Sam M DR6-3294
722 Underwood Frank DR6-8150
723 Baurichter Eleanor ⓪
DR9-9466
Cowels Gertrude Mrs
DR6-8636
724 Malan Fred L DR2-1336
725 Voelz Geo E DR2-3344
728 Bloomenstock Matilda ⓪
Wright John T
730 Frohman Harry ⓪ DR6-7885
735 Grillo Philip D
738 Anthony Wm E ⓪ DR2-6573

Sycamore intersects

Target Street	Cross Street	Source
✓	-	Caron Directory Co

FRANKLIN ST 1961



🔔 DR2-4920

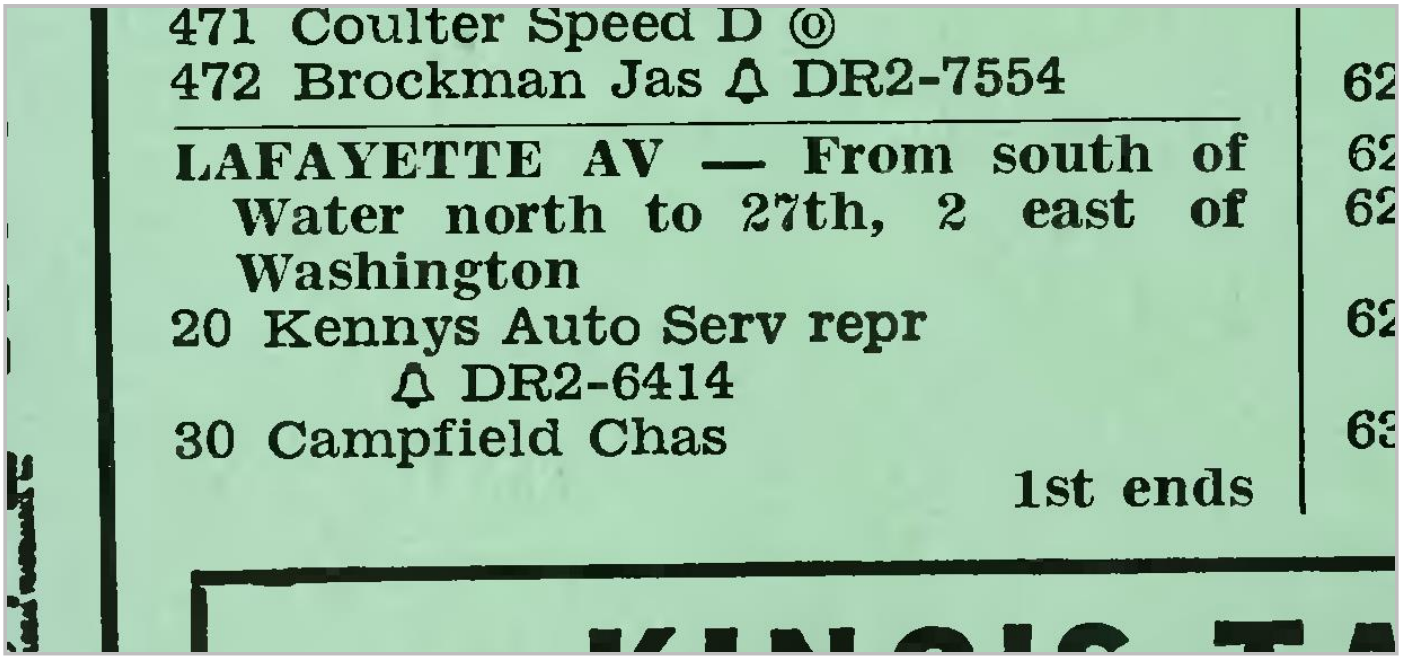
1B-1

FRANKLIN — From Water north to 27th

10 Texas Inc oils 🔔 DR6-4948
30 Wickens Chas M 🔔 DR6-8716
1st intersects
103 Watson John M ◎ 🔔 DR6-4342
107 Burton Luied
108 Welmer Gustave F 🔔 DR6-4861
110 Tooley Donald
113 Cochran Florence Mrs ◎ 🔔 DR9-9706
114 Brumfield Leonard ◎ 🔔 DR6-7366
117 Baker Alice M Mrs ◎ nurse 🔔 DR9-9682
120 Shultz Eliz Mrs ◎
123 Fitch Alonzo E ◎ 🔔 DR6-8467
127 Baughman Russell 🔔 DR2-4602
129 Swengel Willa Mrs 🔔 DR2-6328
2d intersects
215 Graham Mtr Serv 🔔 DR6-3338
230 Boy Scouts of Am
3d intersects
313-15 Vacant
314 Bartholomew County Farmers Mut Fire & Lightening Ins Co 🔔 DR6-3202
315½ Vacant
316 Elizabeth The beauty shop 🔔 DR2-1227
318 Democratic Hq 🔔 DR2-6555
320 Cols Twp Trustee 🔔 DR2-3753
321-31 City Parking Lot
331 Holthouse Furn Co (whse)
339 Brock Sls & Serv (stge)
4th intersects
5th intersects
500 Cummins Eng Co Inc addn ofc
522 **Apartments**
1 Moore Margie Mrs beauty shop 🔔 DR6-3621
2 Neliegh Myrtle Mrs
3 Vacant
4 Price Wm W
5 Turner Bernie N Mrs
6 Eddelman Anna Mrs 🔔 DR6-3870

Target Street	Cross Street	Source
-	✓	Caron Directory Co

LAFAYETTE AVE 1961

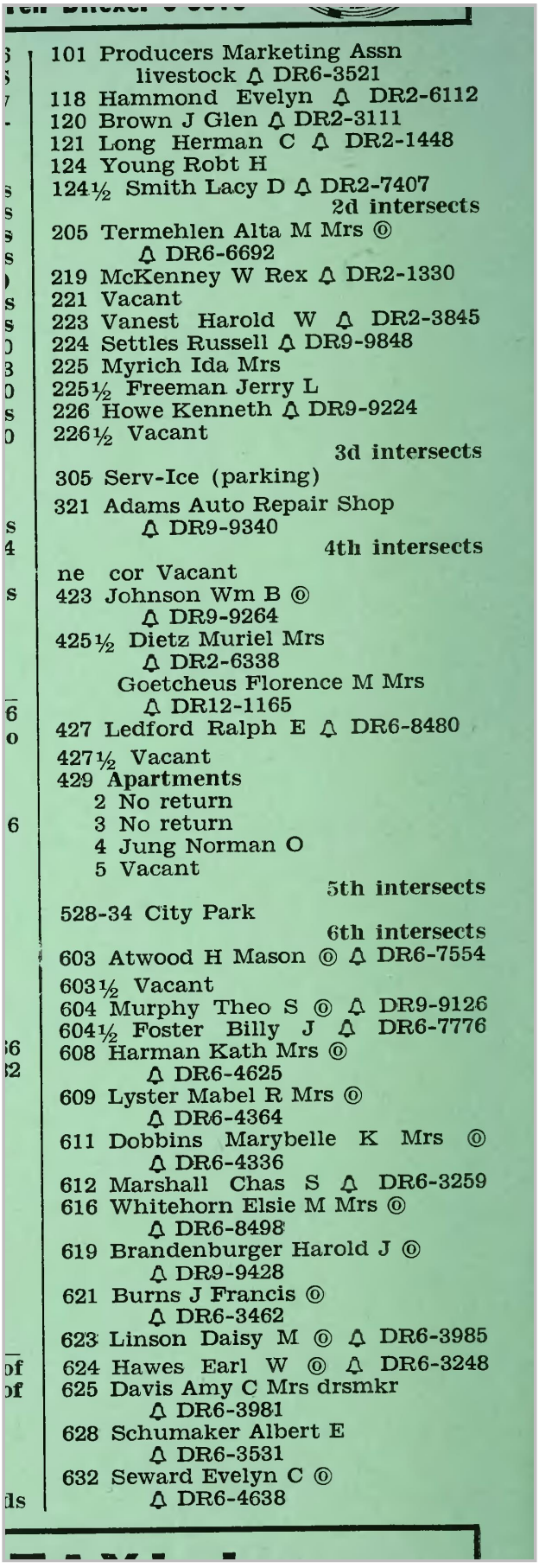

471 Coulter Speed D ⓪
472 Brockman Jas 🔔 DR2-7554

LAFAYETTE AV — From south of Water north to 27th, 2 east of Washington
20 Kennys Auto Serv repr
🔔 DR2-6414
30 Campfield Chas
1st ends

62
62
62
62
63

Target Street	Cross Street	Source
-	✓	Caron Directory Co

LAFAYETTE AVE 1961



101 Producers Marketing Assn
livestock ⚠ DR6-3521
118 Hammond Evelyn ⚠ DR2-6112
120 Brown J Glen ⚠ DR2-3111
121 Long Herman C ⚠ DR2-1448
124 Young Robt H
124½ Smith Lacy D ⚠ DR2-7407
2d intersects
205 Termehlen Alta M Mrs ⓪
⚠ DR6-6692
219 McKenney W Rex ⚠ DR2-1330
221 Vacant
223 Vanest Harold W ⚠ DR2-3845
224 Settles Russell ⚠ DR9-9848
225 Myrich Ida Mrs
225½ Freeman Jerry L
226 Howe Kenneth ⚠ DR9-9224
226½ Vacant
3d intersects
305 Serv-Ice (parking)
321 Adams Auto Repair Shop
⚠ DR9-9340
4th intersects
ne cor Vacant
423 Johnson Wm B ⓪
⚠ DR9-9264
425½ Dietz Muriel Mrs
⚠ DR2-6338
Goetcheus Florence M Mrs
⚠ DR12-1165
427 Ledford Ralph E ⚠ DR6-8480
427½ Vacant
429 **Apartments**
2 No return
3 No return
4 Jung Norman O
5 Vacant
5th intersects
528-34 City Park
6th intersects
603 Atwood H Mason ⓪ ⚠ DR6-7554
603½ Vacant
604 Murphy Theo S ⓪ ⚠ DR9-9126
604½ Foster Billy J ⚠ DR6-7776
608 Harman Kath Mrs ⓪
⚠ DR6-4625
609 Lyster Mabel R Mrs ⓪
⚠ DR6-4364
611 Dobbins Marybelle K Mrs ⓪
⚠ DR6-4336
612 Marshall Chas S ⚠ DR6-3259
616 Whitehorn Elsie M Mrs ⓪
⚠ DR6-8498
619 Brandenburger Harold J ⓪
⚠ DR9-9428
621 Burns J Francis ⓪
⚠ DR6-3462
623 Linson Daisy M ⓪ ⚠ DR6-3985
624 Hawes Earl W ⓪ ⚠ DR6-3248
625 Davis Amy C Mrs drsmkr
⚠ DR6-3981
628 Schumaker Albert E
⚠ DR6-3531
632 Seward Evelyn C ⓪
⚠ DR6-4638

JT0460.710.0002

315 Franklin Avenue and 440 Third Street

Columbus, IN 47201

Inquiry Number: 5567164.8

February 20, 2019

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

02/20/19

Site Name:

JT0460.710.0002
315 Franklin Avenue and 440 T
Columbus, IN 47201
EDR Inquiry # 5567164.8

Client Name:

August Mack Environmental, Inc
1302 N. Meridian St.
Indianapolis, IN 46204
Contact: Elyse Baron

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

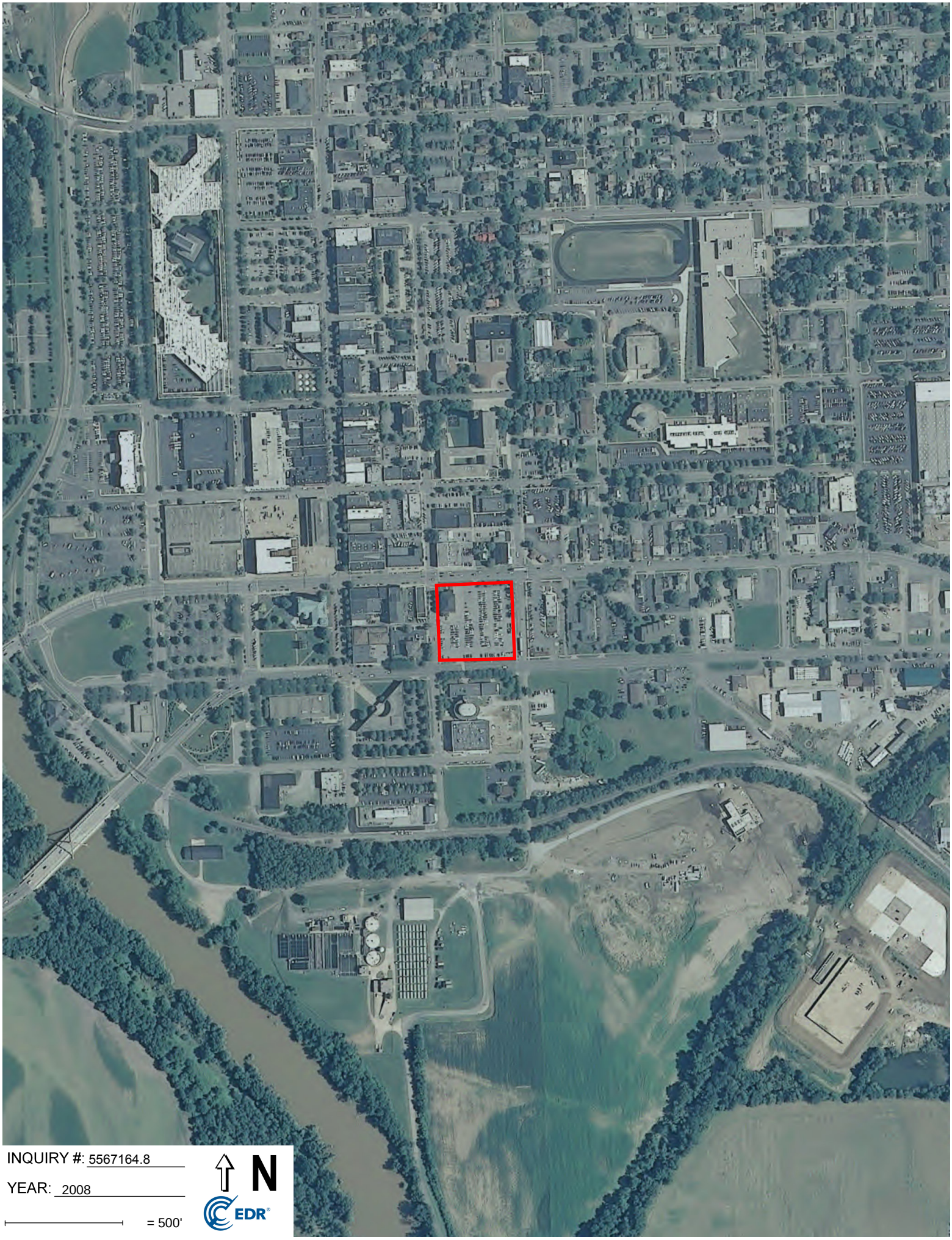
Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: March 27, 1998	USGS/DOQQ
1992	1"=500'	Flight Date: March 23, 1992	USGS
1987	1"=1000'	Flight Date: August 18, 1987	USGS
1984	1"=500'	Flight Date: May 15, 1984	NHAP
1978	1"=1000'	Flight Date: April 07, 1978	USGS
1962	1"=500'	Flight Date: April 10, 1962	USGS
1960	1"=500'	Flight Date: January 16, 1960	USGS
1955	1"=500'	Flight Date: October 10, 1955	USDA

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 5567164.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 5567164.8
YEAR: 2012
= 500'
N
EDR



INQUIRY #: 5567164.8

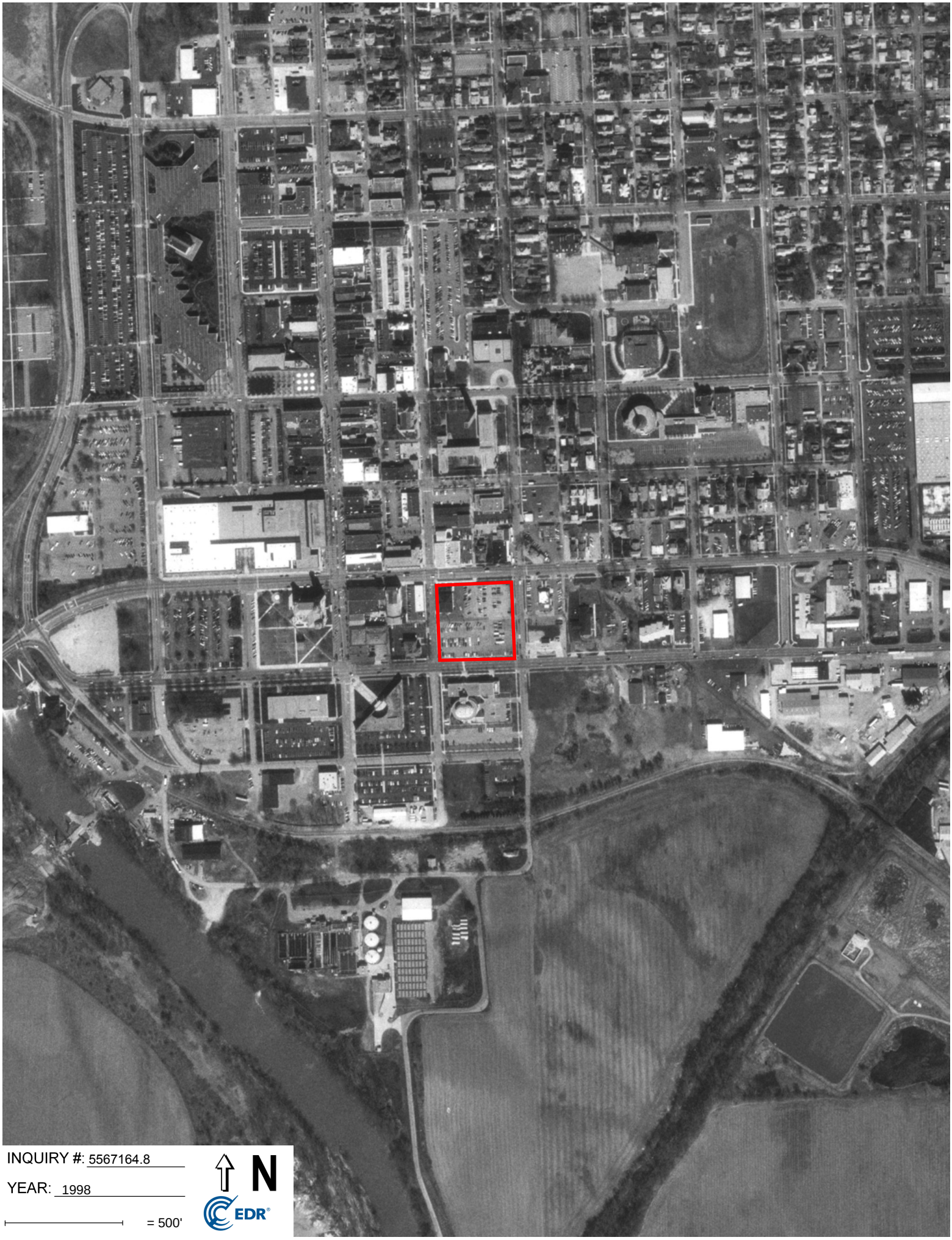
YEAR: 2008

= 500'

N

EDR


INQUIRY #: 5567164.8
YEAR: 2005
= 500'
N
EDR



INQUIRY #: 5567164.8

YEAR: 1998

= 500'

N

EDR

INQUIRY #: 5567164.8

YEAR: 1992

= 500'

N

EDR

INQUIRY #: 5567164.8

YEAR: 1987

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.

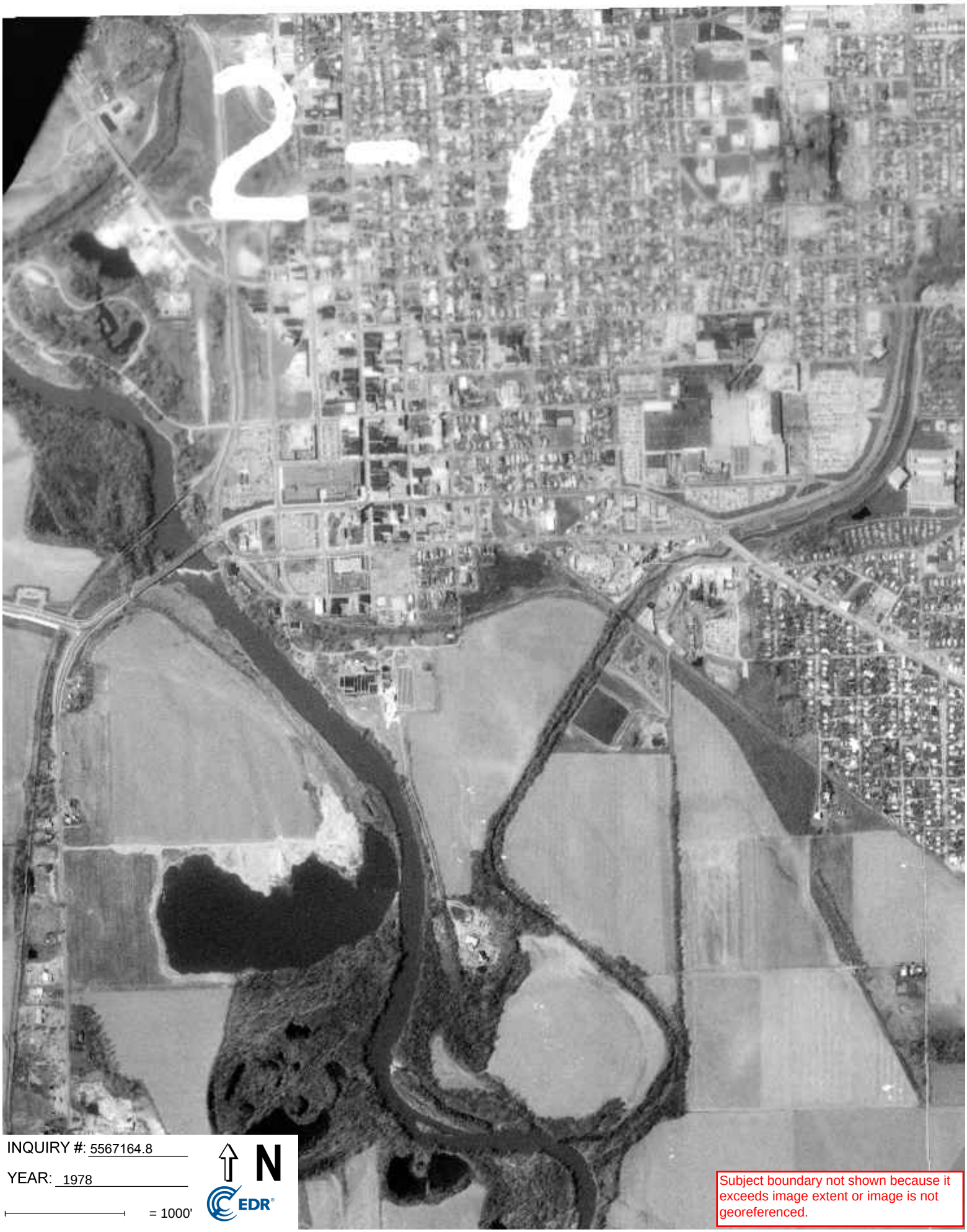
INQUIRY #: 5567164.8

YEAR: 1984

= 500'

N

EDR



INQUIRY #: 5567164.8

YEAR: 1978

= 1000'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 5567164.8
YEAR: 1962
= 500'
N
EDR

INQUIRY #: 5567164.8

YEAR: 1960

= 500'

N

EDR


INQUIRY #: 5567164.8
YEAR: 1955
= 500'
N
EDR

JT0460.710.0002

315 Franklin Avenue and 440 Third Street

Columbus, IN 47201

Inquiry Number: 5567164.4

February 20, 2019

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

02/20/19

Site Name:

JT0460.710.0002
315 Franklin Avenue and 440 T
Columbus, IN 47201
EDR Inquiry # 5567164.4

Client Name:

August Mack Environmental, Inc
1302 N. Meridian St.
Indianapolis, IN 46204
Contact: Elyse Baron

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by August Mack Environmental, Inc were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: JT0460.710.002

Coordinates:

Latitude:	39.201035 39° 12' 4" North
Longitude:	-85.918875 -85° 55' 8" West
UTM Zone:	Zone 16 North
UTM X Meters:	593352.14
UTM Y Meters:	4339642.74
Elevation:	628.00' above sea level

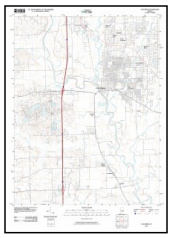
Maps Provided:

2013
1988
1980
1979
1962
1958
1942

Topo Sheet Key

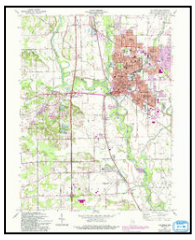
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Columbus
2013
7.5-minute, 24000

1988 Source Sheets

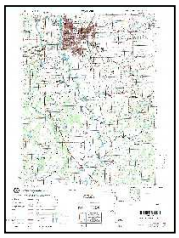


Columbus
1988
7.5-minute, 24000
Aerial Photo Revised 1984

1980 Source Sheets

Columbus
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1979 Source Sheets

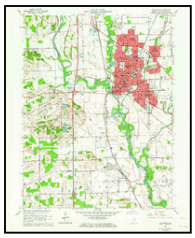


COLUMBUS
1979
15-minute, 50000

Topo Sheet Key

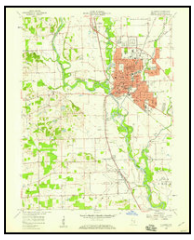
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1962 Source Sheets



Columbus
1962
7.5-minute, 24000
Aerial Photo Revised 1956

1958 Source Sheets



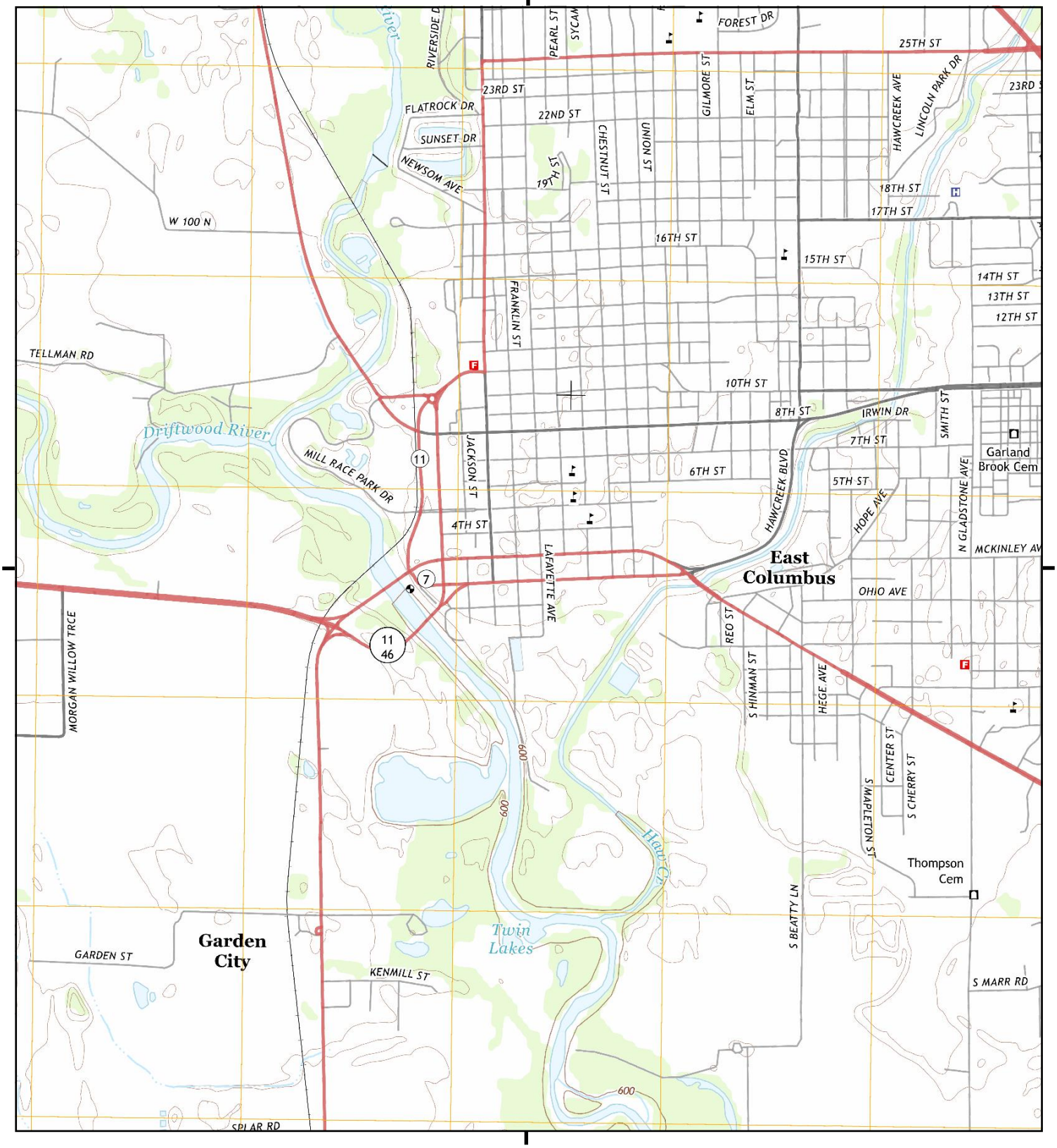
Columbus
1958
7.5-minute, 24000
Aerial Photo Revised 1956

1942 Source Sheets

Columbus
1942
30-minute, 125000
Aerial Photo Revised 1941

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

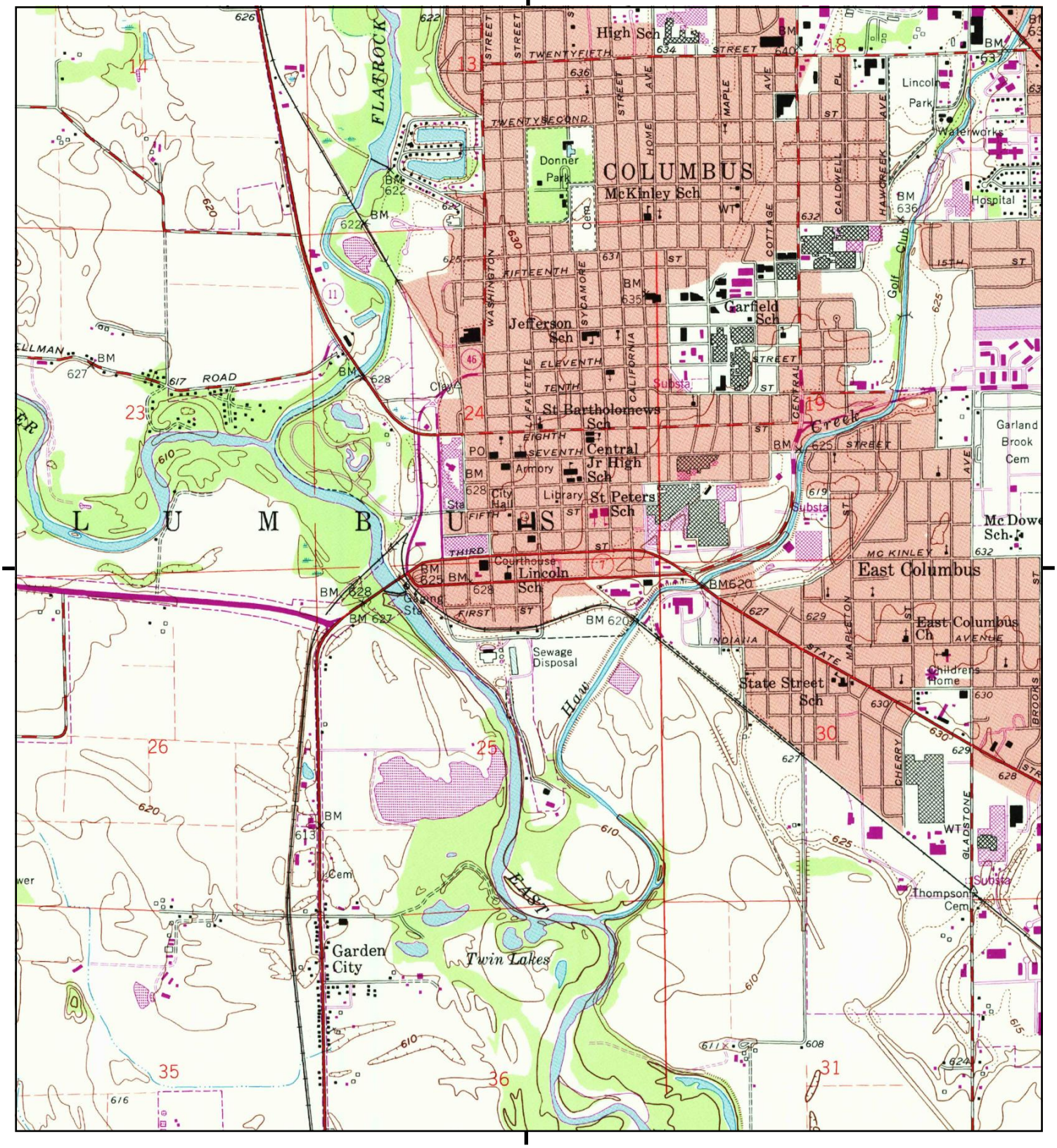
TP, Columbus, 2013, 7.5-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N

Historical Topo Map

1988



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

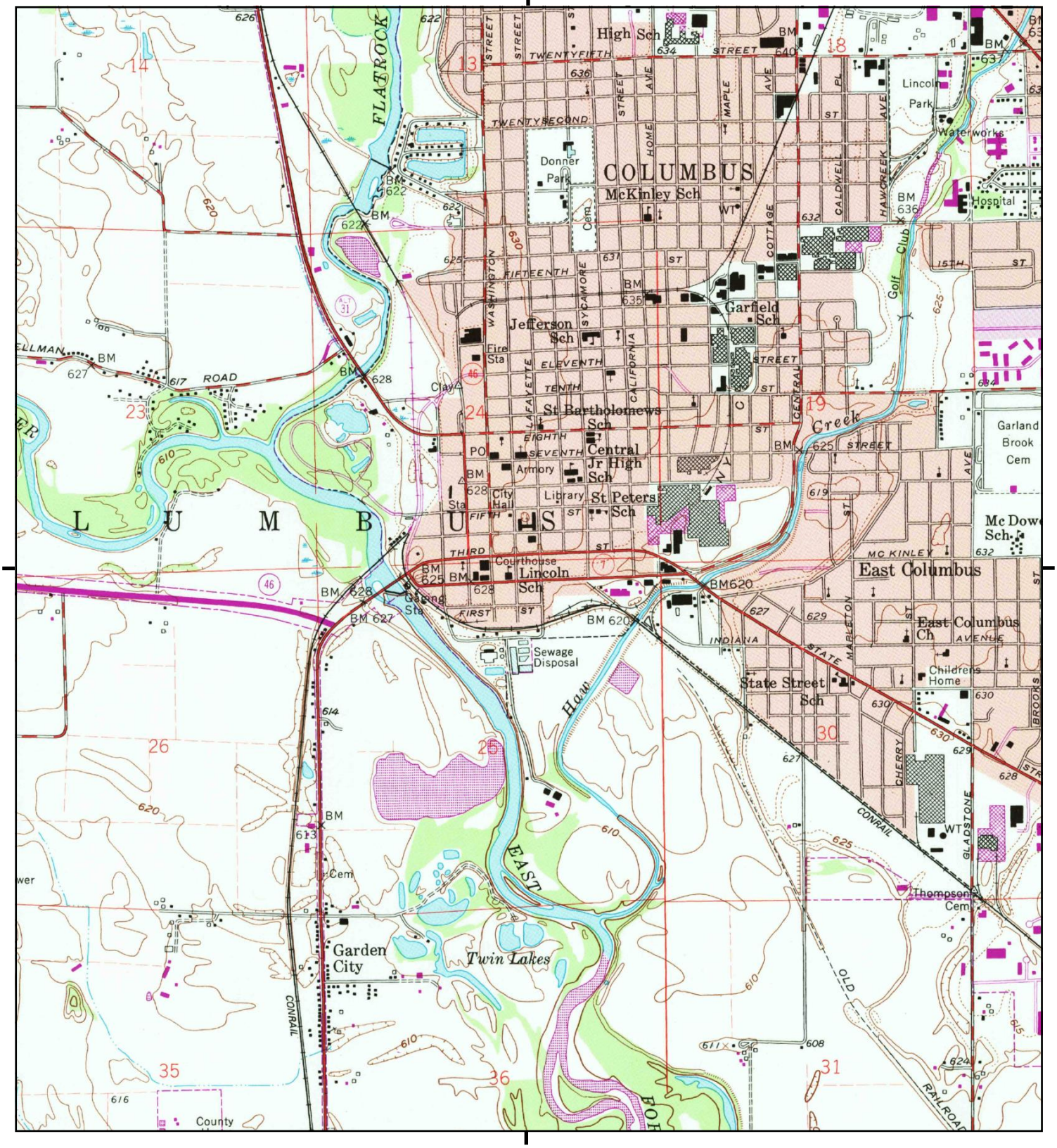
TP, Columbus, 1988, 7.5-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

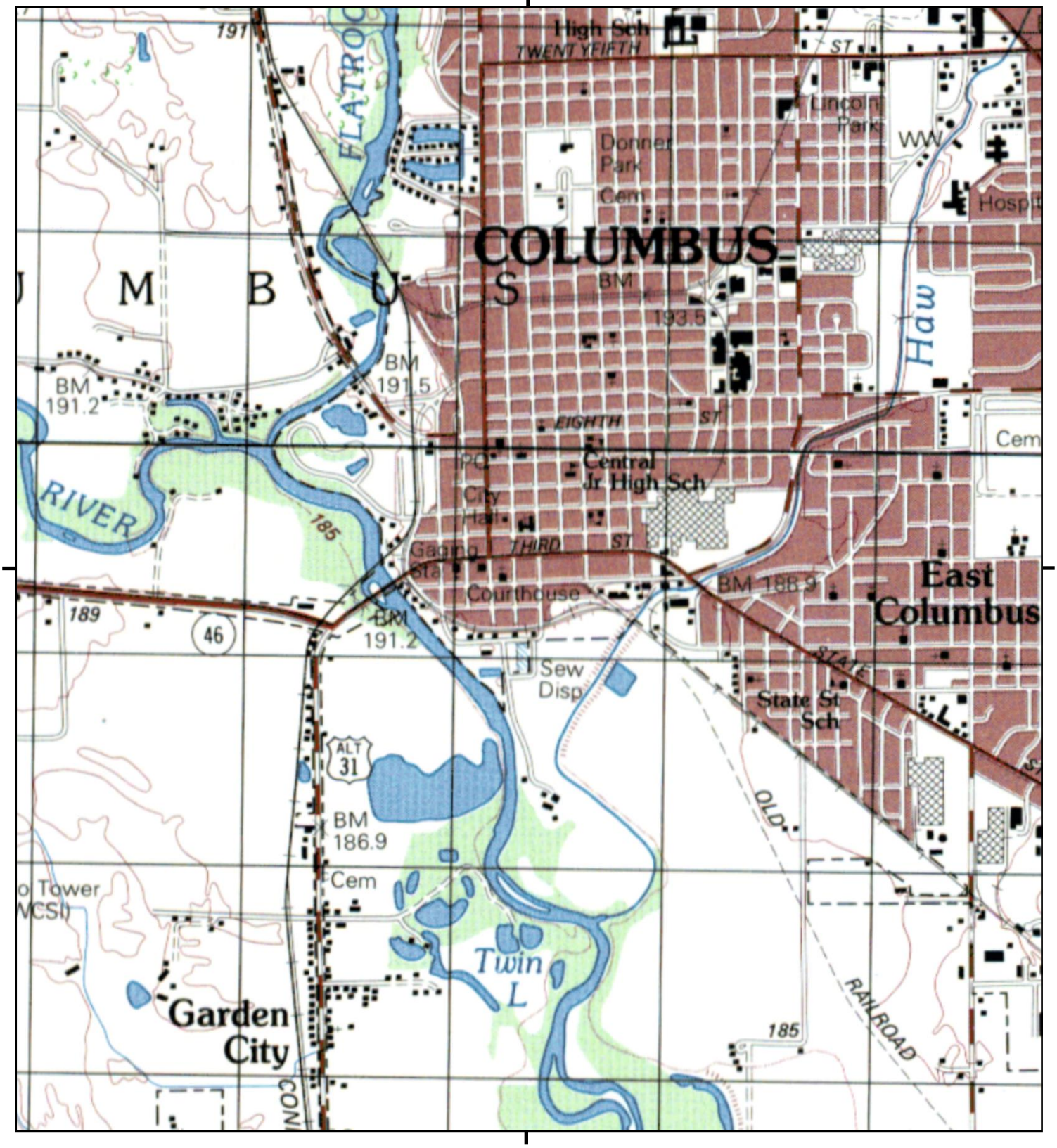
TP, Columbus, 1980, 7.5-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N

Historical Topo Map

1979



This report includes information from the following map sheet(s).

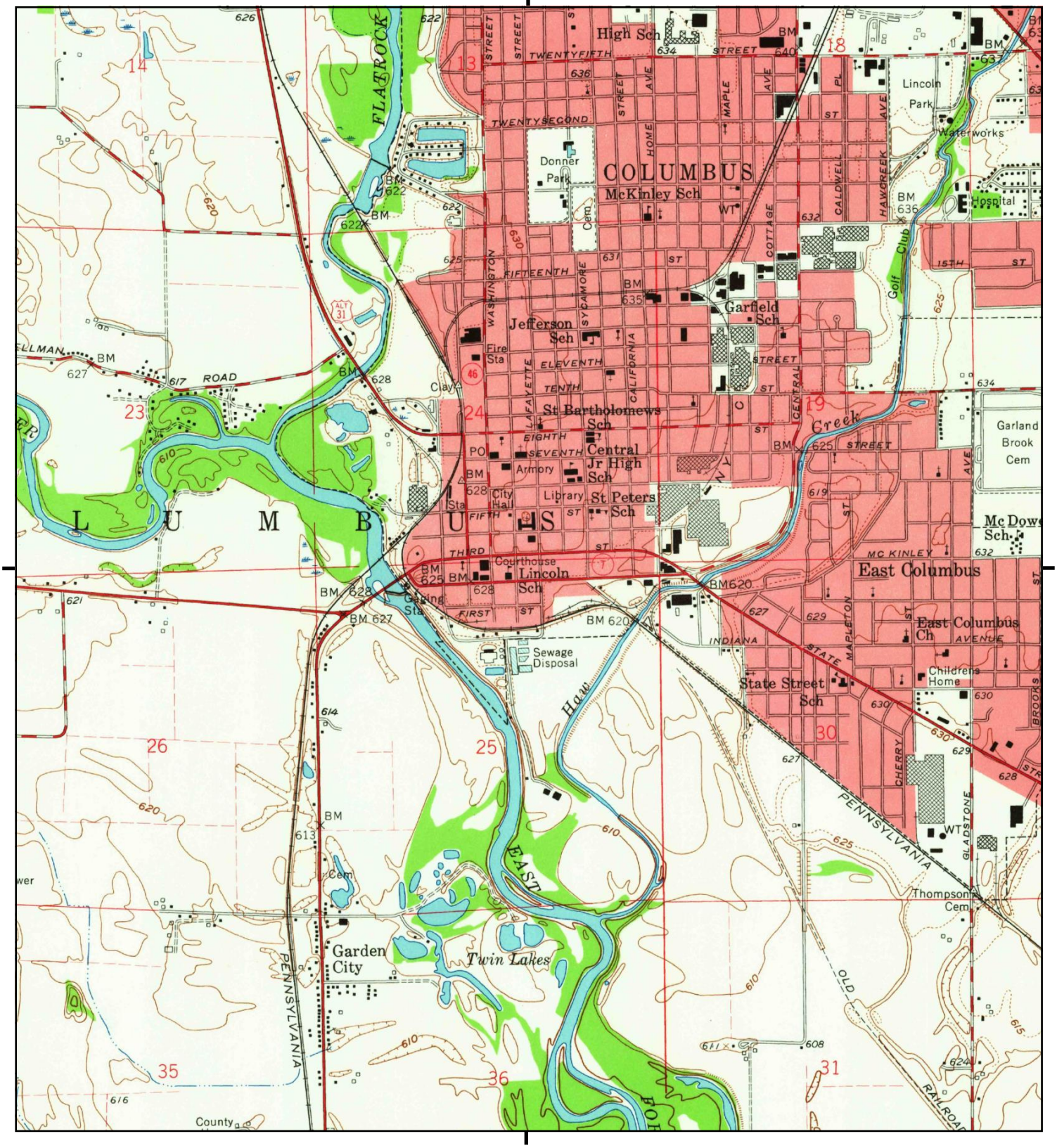
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, COLUMBUS, 1979, 15-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

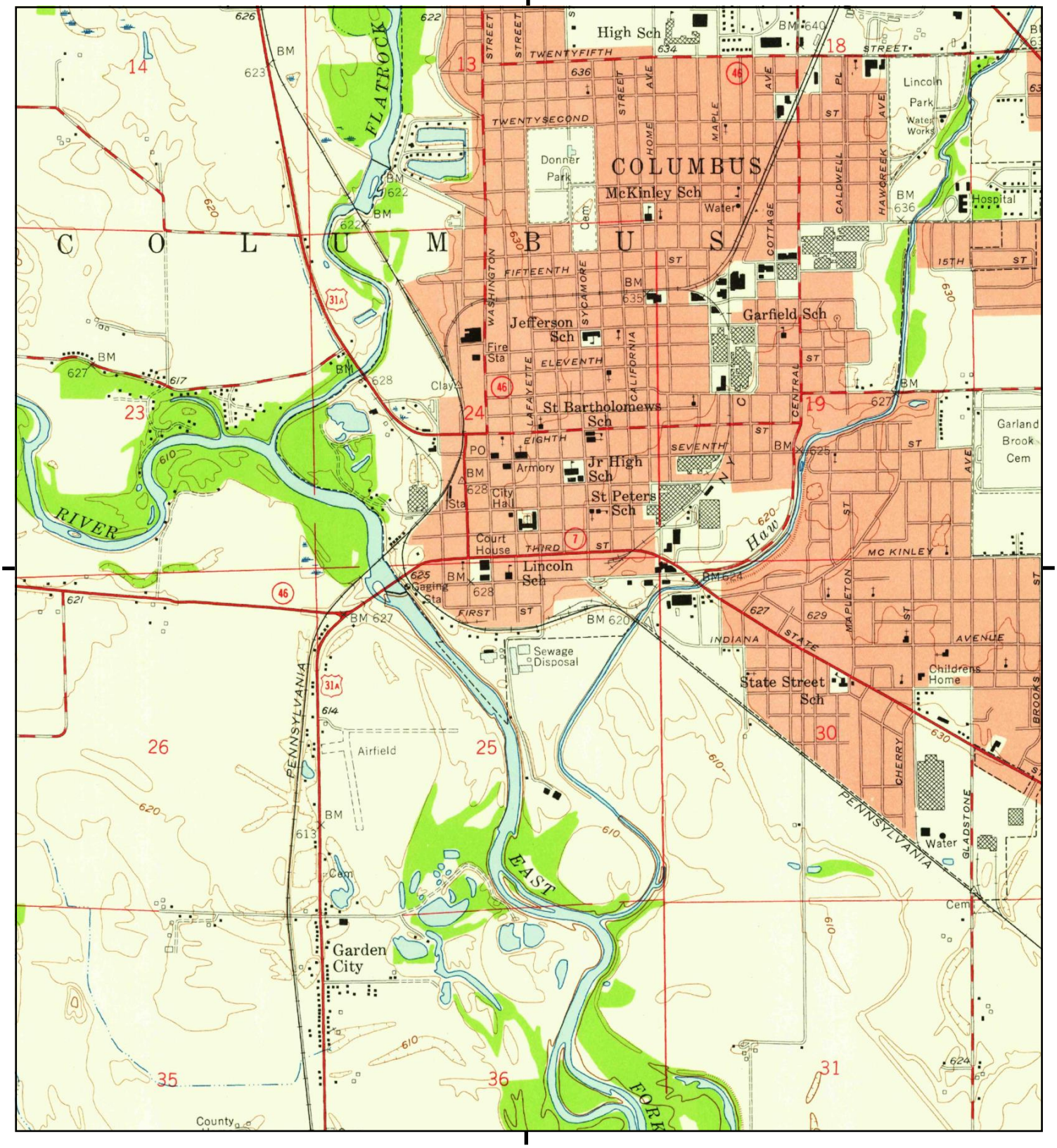
TP, Columbus, 1962, 7.5-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N

Historical Topo Map

1958



This report includes information from the following map sheet(s).

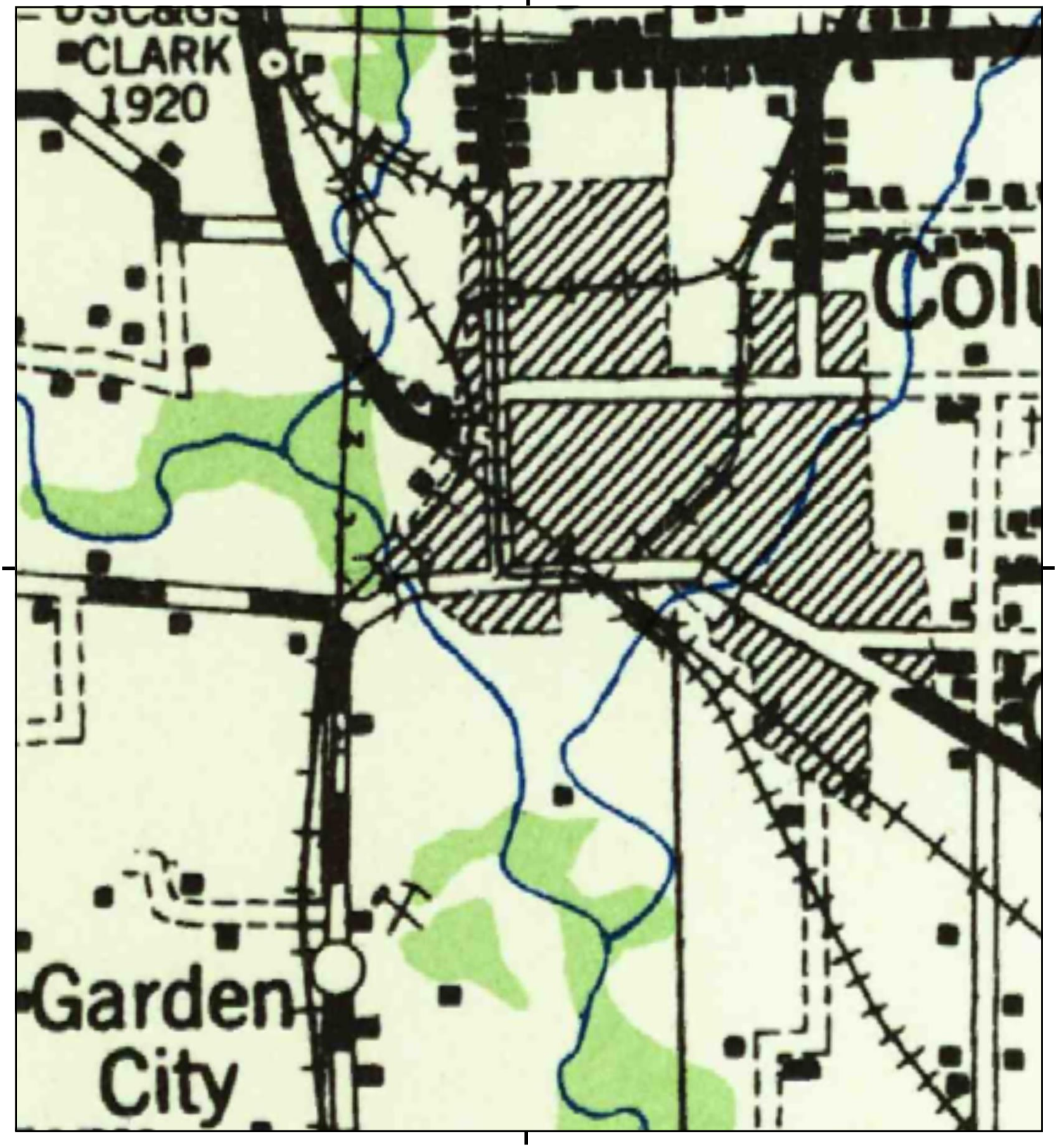
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Columbus, 1958, 7.5-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Columbus, 1942, 30-minute

SITE NAME: JT0460.710.0002
ADDRESS: 315 Franklin Avenue and 440 Third Stree
Columbus, IN 47201
CLIENT: August Mack Environmental, Inc

N

Appendix E -

Photographic Documentation

1

View within basement of on-Site building

2

View within basement of on-Site building

3

View within basement of on-Site building

4

View within basement of on-Site building

5

View of conference room within on-Site building

6

View of storage room within on-Site building

7

View of corridor within on-Site building

8

View of printer room within on-Site building

9

View of office unit within on-Site building

10

View of breakroom within on-Site building

11

View of restroom within on-Site building

12

View of attic within on-Site building

13

View of janitor closet within on-Site building

14

Entryway and wheelchair lift in on-Site building

15

Eastern exterior portion of on-Site building

16

Northern exterior portion of on-Site building

17

Southern exterior portion of on-Site building

18

Attached drive-through area on southern exterior portion of on-Site building

19

Western exterior portion of on-Site building

20

North-northwest adjoining

21

Western Site boundary, from northwest corner, facing south

22

Northern Site boundary, from northwest corner, facing east

23

General view of on-Site building

24

Eastern Site boundary, from northeast corner, facing south

25

Southern Site boundary, from southeast corner, facing west

26

West adjoining

27

West adjoining

28

North adjoining

29

Northeast adjoining

30

East adjoining

31

South adjoining

32

Southwest adjoining

West adjoining

Appendix F -

Qualifications and Resumes of Environmental Professionals

Specialized Experience

- Phase I Environmental Site Assessments (ESAs)
- Mold Remediation
- Asbestos Survey and Sampling
- Negative Exposure Assessments
- Indoor Air Quality Monitoring/Investigation
- Transaction Screen Assessment (TSA)
- Desktop Review
- Environmental Tenant Assessment (ETA)
- Monitoring Well Installation & Development
- Lead-Based Paint Risk Assessments
- Subsurface Investigations and Reports
- Groundwater Monitoring

Representative Project Experience

Industrial Hygiene

- Performed post-remediation mold inspections and clearance sampling for residential and commercial buildings.
- Identified and collected samples for asbestos analysis. Inspections include identifying Asbestos Containing Material (ACM) and assessing the state of friability and damage prior to sample collection.
- Perfomed negative exposure assessment on workers applying an asphalt membrane roof. The process included supplying workers with personal air pumps which collected samples to be analyzed for asphalt fumes and naphtha.
- Supervised asbestos abatement project which included preparation of Health and Safety Plan (HASP), review of HASP and project kickoff meeting with abatement workers, periodic oversight of daily activities, performing a final visual inspection, and completing a final report of project activities.
- Performed Indoor Air Quality (IAQ) investigations of commercial buildings. Inspections typically include a thorough visual inspection and sampling for physical air parameters including mold, bacteria, airborne particulates, and/or chemical constituents.
- Conducted Housing and Urban Development (HUD) governed lead-based paint inspections and risk assessments for single family and multi-family structures. Assessments included identifying potential lead-based paint and lead-based paint hazards, performing lead paint testing, collecting dust and soil samples for laboratory analysis and report generation.

Site Assessment

- Conducted ASTM Phase I Environmental Site Assessments (ESA) at multiple sites undergoing acquisition, divestiture or refinancing, including commercial and industrial buildings and undeveloped sites.
- Conducted Transaction Screen Assessments (TSA), Desktop Reviews, and Environmental Tenant Assessments (ETA) for commercial properties.

Subsurface Investigation

- Designed and implemented Health and Safety Plans (HASPs) for multiple subsurface investigations.
- Conducted subsurface investigations at multiple sites. Activities included acting as on-site consultant, oversight of geophysical survey and utility locating activities, performing field classification and screening of soil borings, developing lithologic soil profiles, and collection of field samples for analysis.
- Performed groundwater sampling of existing monitoring well networks utilizing low-flow techniques.

Well Installation and Abandonment

- Oversaw installation activities of two-inch diameter groundwater monitoring wells.
- Developed groundwater monitoring wells by purging approximately 10-well volumes.

Professional Experience

August Mack Environmental, Inc.
Environmental Site Assessor, 2013 to Current
August Mack Environmental, Inc.
Field Scientist, 2009 to 2013

Education & Certifications

Bachelor of Science, Indiana University, Environmental Science
40-Hour Hazardous Waste Site Operations (HAZWOPER) Training, OSHA
Asbestos Building Inspector, Indiana
Asbestos Inspector, Kentucky
Lead Risk Assessor, Indiana
Lead Risk Assessor, Ohio

Appendix G -

Additional Documentation

General Information

Parcel Number
03-95-24-430-011.500-005

Local Parcel Number
1995244311500

Tax ID:

Routing Number
095.0000000.0000

Property Class 620
Exempt, County

Year: 2018

Location Information

County
Bartholomew

Township
COLUMBUS TOWNSHIP

District 005 (Local 005)
COLUMBUS CITY-COLUMBUS TO

School Corp 0365
BARTHOLOMEW CONSOLIDATE

Neighborhood 6000-005
GOVERNMENT OWNED

Section/Plat

Location Address (1)
3RD & FRANKLIN ST
COLUMBUS, IN 47201

Zoning

Subdivision

Lot

Market Model
N/A

Characteristics

Topography	Flood Hazard
Level	☐
Public Utilities	**ERA**
All	☐
Streets or Roads	**TIF**
Paved	☑

Neighborhood Life Cycle Stage
Other

Printed Friday, June 01, 2018

Review Group 2014

Ownership

BARTHOLOMEW COUNTY
c/o Flood Plain Manager
440 THIRD ST
COLUMBUS, IN 47201

Legal

PART LOT 16A - BARTHOLOMEW COUNTY
PARKING LOT - ALLEY VACATION (R/180C)

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Adj Sale Price	V/I
08/08/2008	BARTHOLOMEW CO		WD	R/180C	$0	I
11/18/1977	COUNTY OF BARTH	0	WD	/	$0	I
01/01/1900	COUNTY OF BARTH		WD	/	$0	I

Notes

Exempt

Valuation Records (Work In Progress values are not certified values and are subject to change)

2018	Assessment Year	2018	2017	2016	2015	2014
WIP	Reason For Change	AA	AA	AA	AA	AA
05/31/2018	As Of Date	05/31/2018	03/15/2017	05/10/2016	06/15/2015	07/25/2014
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☑	☑	☑	☑	☑
$0	**Land**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$0	Land Non Res (3)	$0	$0	$0	$0	$0
$0	**Improvement**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$0	Imp Non Res (3)	$0	$0	$0	$0	$0
$0	**Total**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$0	Total Non Res (3)	$0	$0	$0	$0	$0

Land Data (Standard Depth: Res 120', CI 120')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value

Data Source Aerial **Collector** **Appraiser** 11/24/2014 Marsha

Land Computations

Calculated Acreage	0.00
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.00
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.00
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$0
Total Value	**$0**

General Information

Parcel Number
03-95-25-120-001.100-005

Local Parcel Number
199525121100

Tax ID:

Routing Number
095.0000027.0000

Property Class 620
Exempt, County

Year: 2018

Location Information

County
Bartholomew

Township
COLUMBUS TOWNSHIP

District 005 (Local 005)
COLUMBUS CITY-COLUMBUS TO

School Corp 0365
BARTHOLOMEW CONSOLIDATE

Neighborhood 6000-005
GOVERNMENT OWNED

Section/Plat

Location Address (1)
215 FRANKLIN ST
COLUMBUS, IN 47201

Zoning

Subdivision

Lot

Market Model
N/A

Characteristics

Topography	**Flood Hazard** ☐
Public Utilities	**ERA** ☐
Streets or Roads	**TIF** ☑

Neighborhood Life Cycle Stage
Other

Printed Friday, June 01, 2018

Review Group 2014

Ownership

Board Of Commissioners Of The
County Of Bartholomew
440 Third ST
Columbus, IN 47201

Legal

PART LOT 16A - BARTHOLOMEW COUNTY
PARKING LOT - ALLEY VACATION (R/180C)

Transfer of Ownership

Date	Owner	Doc ID	Code	Book/Page	Adj Sale Price	V/I
08/08/2008	Board Of Commission		WD	R/180C	$0	I
06/30/1988	BOARD OF COMMISS	0	WD	/	$0	I
05/31/1988	BOARD OR COMMIS	0	WD	/	$0	I
01/01/1900	IRWIN-SWEENEY-MIL		WD	/	$0	I

Notes

Exempt

Valuation Records (Work In Progress values are not certified values and are subject to change)

2018	Assessment Year	2018	2017	2016	2015	2014
WIP	Reason For Change	AA	AA	AA	AA	AA
05/31/2018	As Of Date	05/31/2018	03/15/2017	05/10/2016	06/15/2015	07/25/2014
Indiana Cost Mod	Valuation Method	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod	Indiana Cost Mod
1.0000	Equalization Factor	1.0000	1.0000	1.0000	1.0000	1.0000
	Notice Required	☑	☑	☑	☑	☑
$0	**Land**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Land Res (1)	$0	$0	$0	$0	$0
$0	Land Non Res (2)	$0	$0	$0	$0	$0
$0	Land Non Res (3)	$0	$0	$0	$0	$0
$0	**Improvement**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Imp Res (1)	$0	$0	$0	$0	$0
$0	Imp Non Res (2)	$0	$0	$0	$0	$0
$0	Imp Non Res (3)	$0	$0	$0	$0	$0
$0	**Total**	**$0**	**$0**	**$0**	**$0**	**$0**
$0	Total Res (1)	$0	$0	$0	$0	$0
$0	Total Non Res (2)	$0	$0	$0	$0	$0
$0	Total Non Res (3)	$0	$0	$0	$0	$0

Land Data (Standard Depth: Res 120', CI 120')

Land Type	Pricing Method	Soil ID	Act Front.	Size	Factor	Rate	Adj. Rate	Ext. Value	Infl. %	Res Elig %	Market Factor	Value

Data Source Aerial **Collector** **Appraiser** Bob

Land Computations

Calculated Acreage	0.00
Actual Frontage	0
Developer Discount	☐
Parcel Acreage	0.00
81 Legal Drain NV	0.00
82 Public Roads NV	0.00
83 UT Towers NV	0.00
9 Homesite	0.00
91/92 Acres	0.00
Total Acres Farmland	0.00
Farmland Value	$0
Measured Acreage	0.00
Avg Farmland Value/Acre	0.0
Value of Farmland	$0
Classified Total	$0
Farm / Classifed Value	$0
Homesite(s) Value	$0
91/92 Value	$0
Supp. Page Land Value	
CAP 1 Value	$0
CAP 2 Value	$0
CAP 3 Value	$0
Total Value	**$0**

General Information

Occupancy	C/I Building	**Pre. Use**	General Office
Description	C/I Building C 02	**Pre. Framing**	Wood Joist
Story Height	2	**Pre. Finish**	Finished Divided
Type	N/A	**# of Units**	0

	SB	B	1	U
Wall Type		2(250')	2(274')	2(186')
Heating		3472 sqft	3808 sqft	3312 sqft
A/C		3472 sqft	3808 sqft	3312 sqft
Sprinkler				

Plumbing RES/CI

	#	TF	#	TF
Full Bath	0	0	0	0
Half Bath	0	0	0	0
Kitchen Sinks		0		0
Water Heaters		0		0
Add Fixtures	0	0	15	15
Total	0	0	15	15

Roofing

☐ Built Up ☐ Tile ☐ Metal
☐ Wood ☐ Asphalt ☐ Slate
☐ Other

GCK Adjustments

☐ Low Prof ☐ Ext Sheat ☐ Insulatio
☐ SteelGP ☐ AluSR ☐ Int Liner
☐ HGSR ☐ PPS ☐ Sand Pnl

Exterior Features

Description	Area	Value
Porch, Enclosed Masonry	323	$13,700

Floor/Use Computations

Pricing Key	GCM	GCM	GCM
Use	UTLSTOR	GENOFF	GENOFF
Use Area	3472 sqft	3808 sqft	3312 sqft
Area Not in Use	0 sqft	0 sqft	0 sqft
Use %	100.0%	100.0%	100.0%
Eff Perimeter	250'	274'	186'
PAR	7	7	6
# of Units / AC	0	0	0
Avg Unit sz|dpth	-1	-1	-1
Floor	B	1	2
Wall Height	9'	14'	12'
Base Rate	**$34.33**	**$102.51**	**$84.47**
Frame Adj	($9.44)	($6.07)	($7.20)
Wall Height Adj	$0.00	$5.14	$0.00
Dock Floor	$0.00	$0.00	$0.00
Roof Deck	$0.00	$0.00	$0.00
Adj Base Rate	**$24.89**	**$101.58**	**$77.27**
BPA Factor	1.00	1.00	1.00
Sub Total (rate)	**$24.89**	**$101.58**	**$77.27**
Interior Finish	$0.00	$0.00	$0.00
Partitions	$0.00	$0.00	$0.00
Heating	$0.00	$0.00	$0.00
A/C	$3.99	$0.00	$0.00
Sprinkler	$0.00	$0.00	$0.00
Lighting	$0.00	$0.00	$0.00
Unit Finish/SR	$0.00	$0.00	$0.00
GCK Adj.	$0.00	$0.00	$0.00
S.F. Price	**$28.88**	**$101.58**	**$77.27**
Sub-Total			
Unit Cost	$0.00	$0.00	$0.00
Elevated Floor	$0.00	$0.00	$0.00
Total (Use)	**$100,271**	**$386,817**	**$255,918**

Special Features

Description	Value

Other Plumbing

Description	Value

Building Computations

Sub-Total (all floors)	**$743,006**	Garages	$0
Racquetball/Squash	$0	Fireplaces	$0
Theater Balcony	$0	**Sub-Total (building)**	**$780,706**
Plumbing	$24,000	Quality (Grade)	$819,743
Other Plumbing	$0	Location Multiplier	0.97
Special Features	$0	**Repl. Cost New**	**$795,149**
Exterior Features	$13,700		

Summary of Improvements

Description	Res Eligibl	Story Height	Construction	Grade	Year Built	Eff Year	Eff Age	Cond	Base Rate	LCM	Adj Rate	Size	RCN	Norm Dep	Remain. Value	Abn Obs	PC	Nbhd	Mrkt	Improv Value
1: C/I Building C 02	0%	2	SV	C+1	1900	1960	58	A		0.97		10,592 sqft		80%		0%	100%	1.00	1.0000	$0
2: Paving C 02	0%	1	SV	C	1972	1972	46	A		0.97		4,300 sqft		80%		0%	100%	1.00	1.0000	$0
3: Paving C 01	0%	1	SV	C	1994	1994	24	A		0.97		46,800 sqft		80%		0%	100%	1.00	1.0000	$0
4: Canopies - Commercial	0%	1	SV	C	1997	1997	21	A		0.97		240sqft		80%		0%	100%	1.00	1.0000	$0

Map Scale: 1:782 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 35 70 140 210

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bartholomew County, Indiana
Survey Area Data: Version 21, Sep 5, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 24, 2014—Mar 20, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UenA	Urban land-Fox complex, 0 to 2 percent slopes	2.3	100.0%
Totals for Area of Interest		**2.3**	**100.0%**

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

FOR TANKS IN IN

RETURN COMPLETED FORM TO
Division of Land Pollution Control
UST Program
Indiana State Board of Health
P.O. Box 7015
Indianapolis, IN 46207
(317) 243-5060

STATE USE ONLY
I.D. Number 005336
Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—
(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and
(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:
1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. **This form must by completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached: ☐

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Doyle Todd.

Street Address
2114 Central
Bartholomew

County
Columbus In. 47201

City State ZIP Code
~~376-6414~~

Area Code Phone Number
812- 376-6414

Type of Owner *(Mark all that apply ☒)*

☐ Current ☐ Former ☐ State or Local Gov't ☐ Federal Gov't (GSA facility I.D. no. _____) ☒ Private or Corporate ☐ Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here ☐)

Facility Name or Company Site Identifier, as applicable
ED FRENCH Buick-Dodge
215 Franklin St.

Street Address or State Road, as applicable
Bartholomew

County
Columbus. In 47201

City (nearest) State ZIP Code

Indicate number of tanks at this location: 4

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☐)
Robert Lawson

Job Title
Service Director

Area Code Phone Number
812-376-3338

IV. TYPE OF NOTIFICATION

☐ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative
Service Director

Signature
Robert J Lawson

Date Signed
5-20-86

CONTINUE ON REVERSE SIDE

Owner Name (from Section I) Doyle Todd Location (from Section II) 215 Franklin Columbus, On Page No. — of — Pages

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS *(Complete for each tank at this location.)*

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4	Tank No.
1. Status of Tank *(Mark all that apply ☒)*					
Currently in Use	X	X	X		
Temporarily Out of Use				X	
Permanently Out of Use					
Brought into Use after 5/8/86					
2. Estimated Age (Years)	20 YRS	20 YRS	20 YRS	20 YRS	
3. Estimated Total Capacity (Gallons)	500 GAL	500 GAL	500 GAL	500 GAL	
4. Material of Construction *(Mark one ☒)*					
Steel	X	X	X	X	
Concrete					
Fiberglass Reinforced Plastic					
Unknown					
Other, Please Specify					
5. Internal Protection *(Mark all that apply ☒)*					
Cathodic Protection					
Interior Lining (e.g., epoxy resins)					
None					
Unknown	X	X	X	X	
Other, Please Specify					
6. External Protection *(Mark all that apply ☒)*					
Cathodic Protection					
Painted (e.g., asphaltic)					
Fiberglass Reinforced Plastic Coated					
None					
Unknown	X	X	X	X	
Other, Please Specify					
7. Piping *(Mark all that apply ☒)*					
Bare Steel					
Galvanized Steel	X	X	X	X	
Fiberglass Reinforced Plastic					
Cathodically Protected					
Unknown					
Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume *(Mark all that apply ☒)*					
a. Empty					
b. Petroleum					
Diesel					
Kerosene					
Gasoline (including alcohol blends)					
Used Oil	X				
Other, Please Specify		OIL 10W30	TRANS FLUID	OIL 10W30	
c. Hazardous Substance					
Please Indicate Name of Principal CERCLA Substance					
OR					
Chemical Abstract Service (CAS) No.					
Mark box ☒ if tank stores a mixture of substances					
d. Unknown					
9. Additional Information (for tanks permanently taken out of service)					
a. Estimated date last used (mo/yr)	/	/	/	/	/
b. Estimated quantity of substance remaining (gal.)					
c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)					

☆ U.S. Government Printing Office: 1986—496-735

STATE OF INDIANA

INDIANAPOLIS

STATE BOARD OF HEALTH

AN EQUAL OPPORTUNITY EMPLOYER

Address Reply to:
Division of Land Pollution Control--UST
P.O. Box 7015
Indianapolis, IN 46207-7015

March 1986

Gentlemen:

Re: Underground Storage Tank
Notification

In November of 1984, the Hazardous and Solid Waste Amendments to the Resource Conservation and Recovery Act (RCRA) were passed into law. Subtitle I of these amendments established the Underground Storage Tank (UST) Program requiring all owners and operators of underground storage tanks that are either currently in service or were taken out of service after January 1, 1974, but are still in the ground, to notify of their existence. The Division of Land Pollution Control, Indiana State Board of Health, has been designated to receive this notification.

To meet the requirements of notification, each owner and operator must:

Fill out the enclosed notification form;

Sign the certification at the bottom of the form; and

In addition, please include a diagram of the facility on standard 8 1/2 by 11-inch white bond paper. The diagram should include the location of any underground storage tank and associated piping, the location of above ground structures, the location of the tank dispenser, a north directional arrow, and a street address. The diagram should be in black ink for microfilming purposes.

The notification form may be photocopied if additional copies are required.

When complete, return the form to the Division of Land Pollution Control, UST Program, Indiana State Board of Health, P.O. Box 7015, Indianapolis, Indiana, 46207-7015.

All questions should be directed to Mr. Michael T. Scanlon at AC 317/243-5060.

Very truly yours,

David D. Lamm, Director
Division of Land Pollution Control

MTS/sk
Enclosure

Witco

Witco Corporation, 520 Madison Avenue, New York, NY 10022-4236 Telephone 212-605-3800

March 21, 1986

Dear Customer:

A new Federal law directs the Environmental Protection Agency (EPA) to develop a comprehensive regulatory program for underground storage tanks. As part of the new law, owners of certain underground tanks used to store petroleum or hazardous substances must notify designated State or local agencies of the existence of their tanks by May 8, 1986. This includes owners of tanks currently used to store such substances and owners of tanks taken out of operation after January 1, 1974, but still in the ground. Owners who bring tanks into use after May 8, 1986, must notify within 30 days.

The purpose of the notification program is to assist EPA and the States in locating and evaluating underground storage tanks. Enclosed is a copy of EPA's regulations concerning owners of underground storage tanks, a notification form and a list of the addresses of the State or local agencies designated to receive the notifications.

Please review the regulations to determine if you are affected by the notification requirements. If you have any questions as to your responsibility under the law, please contact the EPA RCRA/Superfund Hotline at (800) 424-9346.

Sincerely,

Aero Oil Company, Inc.
Division of
Witco Corporation

66-32

Indiana Department of
Environmental Management
Office of Environmental Response
UST Program
P.O. Box 7015
Indianapolis, IN 46207-7015

(317) 243-5022

Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

I.D. Number **STATE USE ONLY** 015889

Date Received

INFORMATION

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The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means—
(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and
(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: **1.** gasoline, used oil, or diesel fuel, and **2.** industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:
1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;
4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
5. surface impoundments, pits, ponds, or lagoons;
6. storm water or waste water collection systems;
7. flow-through process tanks;
8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

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Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. **This form must by completed for each location containing underground storage tanks.** If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached: 0

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)
Bartholomew County Commissioners

Street Address
440 3rd Street

County
Bartholomew

City: Columbus, State: Indiana ZIP Code: 47201

Area Code: 812 Phone Number: 379-1507

Type of Owner *(Mark all that apply ☒)*

- ☐ Current
- ☐ Former
- ☒ State or Local Gov't
- ☐ Federal Gov't (GSA facility I.D. no. _____)
- ☐ Private or Corporate
- ☐ Ownership uncertain

County _____)

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here ☐)

Facility Name or Company Site Identifier, as applicable
NEW OWNER
~~Graham Todd Building~~ BARTHOLOMEW Co.

Street Address or State Road, as applicable
215 Franklin Street

County
Bartholomew

City (nearest): Columbus, State: Indiana ZIP Code: 47201

Indicate number of tanks at this location: 3

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands ☐

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here ☒) | Job Title | Area Code | Phone Number

IV. TYPE OF NOTIFICATION

☒ Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative	Signature	Date Signed
Chairman Bartholomew County Commissioners	X [signature]	8-14-89

CONTINUE ON REVERSE SIDE

Owner Name (from Section I) Bartholomew County Location (from Section II) 215 Franklin St. Page No. 1 of 2

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)		Tank No. 1	Tank No. 2	Tank No. 3	Tank No.	Tank No.
1. Status of Tank (Mark all that apply ☒)	Currently in Use	☐	☐	☐	☐	☐
	Temporarily Out of Use	☐	☐	☐	☐	☐
	Permanently Out of Use	x	x	x	☐	☐
	Brought into Use after 5/8/86	☐	☐	☐	☐	☐
2. Estimated Age (Years)		23 years	23 years	23 years		
3. Estimated Total Capacity (Gallons)		500	500	500		
4. Material of Construction (Mark one ☒)	Steel	x	x	x	☐	☐
	Concrete	☐	☐	☐	☐	☐
	Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
	Unknown	☐	☐	☐	☐	☐
	Other, Please Specify					
5. Internal Protection (Mark all that apply ☒)	Cathodic Protection	☐	☐	☐	☐	☐
	Interior Lining (e.g., epoxy resins)	☐	☐	☐	☐	☐
	None	☐	☐	☐	☐	☐
	Unknown	x	x	x	☐	☐
	Other, Please Specify					
6. External Protection (Mark all that apply ☒)	Cathodic Protection	☐	☐	☐	☐	☐
	Painted (e.g., asphaltic)	☐	☐	☐	☐	☐
	Fiberglass Reinforced Plastic Coated	☐	☐	☐	☐	☐
	None	☐	☐	☐	☐	☐
	Unknown	x	x	x	☐	☐
	Other, Please Specify					
7. Piping (Mark all that apply ☒)	Bare Steel	☐	☐	☐	☐	☐
	Galvanized Steel	☐	☐	☐	☐	☐
	Fiberglass Reinforced Plastic	☐	☐	☐	☐	☐
	Cathodically Protected	☐	☐	☐	☐	☐
	Unknown	x	x	x	☐	☐
	Other, Please Specify					
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply ☒)	**a. Empty**	☐	☐	☐	☐	☐
	b. Petroleum					
	Diesel	☐	☐	☐	☐	☐
	Kerosene	☐	☐	☐	☐	☐
	Gasoline (including alcohol blends)	☐	☐	☐	☐	☐
	Used Oil	x	☐	☐	☐	☐
	Other, Please Specify		New Oil	New Oil		
	c. Hazardous Substance	☐	☐	☐	☐	☐
	Please Indicate Name of Principal CERCLA Substance					
	OR Chemical Abstract Service (CAS) No.					
	Mark box ☒ if tank stores a mixture of substances	☐	☐	☐	☐	☐
	d. Unknown	☐	☐	☐	☐	☐
9. Additional Information (for tanks permanently taken out of service)	**a.** Estimated date last used (mo/yr)	Removed 7 / 6/89	Removed 7 / 6/89	Removed 7/6/89	/	/
	b. Estimated quantity of substance remaining (gal.)					
	c. Mark box ☒ if tank was filled with inert material (e.g., sand, concrete)	☐	☐	☐	☐	☐

☆ U.S. Government Printing Office: 1986—496-735

FAP #-469

Subsurface Investigation Report

Future McDonalds
610 2nd Street
Columbus, Indiana 47201

AEE Project No. 150.06

February 14, 2006

Prepared for:

Mr. Jeff Bush
Bushman Realty, LLC
Columbus, Indiana

Prepared by:

Astbury Environmental Engineering, Inc.
Indianapolis, Indiana

AEE Astbury Environmental Engineering, Inc.

5645 WEST 79TH STREET • INDIANAPOLIS, INDIANA 46278 • 317-472-0999 • FAX 317-472-0993

cc.

February 14, 2006

Mr. Jeff Bush
Bushman Realty, LLC.
6951 W. 300 South
Columbus, Indiana 47201

RE: Geotech & Envvironmental
Subsurface Investigation Report
Future McDonalds
610 2nd Street
Columbus, Indiana 47201
AEE Project #150.06

Dear Mr. Bush:

In compliance with your request, Astbury Environmental Engineering, Inc. (AEE) is pleased to provide you with this limited Subsurface Investigation Report for the project site located at 610 2nd Street in Columbus, Indiana (the "Site").

The Subsurface Investigation was performed to determine if the subsurface soils are suitable for building a single story concrete-slab structure and if past gasoline station operations have adversely impacted the Site with petroleum hydrocarbons. This report addresses our findings associated with the geotechnical and environmental activities performed at the Site.

If you have any questions or require additional information, please feel free to contact us at your convenience.

Sincerely,

ASTBURY ENVIRONMENTAL ENGINEERING, INC.

Jennifer Phillippe
Staff Geologist

Fred W. Nichols
Vice President, Business Development

JP/FWN:jp
Enclosures

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Project Introduction. The project site, located at 610 2nd Street in Columbus, Indiana (the "Site"), is composed of three (3) lots bounded by Second Street, Lafayette Avenue, and Third Street. The northern lot, a former Hardees, was most recently a Mexican restaurant, the southern lot is a former kiosk gasoline station (facility identification number 7469), and the middle lot was used as a parking area. The location of the Site is depicted on the Site Location Map, Figure 1 in Appendix A. The layout of the Site, including utilities and sampling locations, is depicted on the Site Plan, Figure 2 also in Appendix A.

The Site is currently owned by Mr. Ted Weatherald, 2508 25th Street, Columbus, Indiana 47201. The southern lot of the Site was operated as a gas station by the Kiel Brothers Oil Company (Kiel Bros.) from 1995 to 2000, when the three (3) 12,000-gallons steel USTs were temporarily closed. Prior to the Kiel Bros., the gas station was owned and operated by the Highway Oil Company of Kansas since at least 1972. The USTs are reported to have been used to store both gasoline and diesel fuel. According to the Indiana Department of Environmental Management's (IDEM's) electronic database the USTs were permanently closed by removal in 2005. The Site is located in a commercial area of Columbus, Indiana, and is comprised of approximately one (1) acre of developed land.

2.0 SCOPE OF WORK

2.1 Scope Of Work. AEE's Subsurface Investigation (SI) included a limited soil and groundwater sampling program to evaluate the presence of contamination associated with the operation of the Site as a gas station and other nearby potential environmental concerns. Samples for geotechnical analysis by Earth Exploration, Inc. (Earth Exploration) were collected in addition to the soil and groundwater samples.

The SI included the advancement of ten (10) soil borings using a truck-mounted, rotary head drill rig equipped with 3.25-inch diameter hollow-stem augers (HSAs). Soil samples (from borings B-1 through B-10) were collected for geotechnical analysis including visual soils classification, natural moisture content, Atterberg limits determinations, and calibrated hand penetrometer readings (to provide an indication of the shear strength characteristics of cohesive-type soils). Soil samples in the vicinity of the underground storage tank (UST) farm and fuel dispensing islands (B-8 through B-10) were collected during the investigation and split to allow for field headspace analysis and potential selection for laboratory analysis. A grab groundwater sample (from B-7) was obtained by lowering a polyvinyl chloride (PVC) screen into the borehole and letting groundwater accumulate (piezometer).

2.2 Soil Sampling Technique. Subsurface soil samples were collected on a continuous basis using standard split-spoon methods (except the near surface interval). A Standard Penetration Test (SPT) was conducted at each sample interval in general accordance with ASTM D-1586 specifications. The split-spoon sampler was decontaminated with a mild detergent wash and a distille water rinse prior to each sampling interval. The HSAs were decontaminated between boreholes using a high-pressure washer.

Soil samples were visually classified in the field according to color, grain size, texture, grain fabric and relative moisture content. Visual and olfactory evidence of staining and distinct odors were also noted, if present.

Samples were also screened in the field for the presence of total organic vapors using a photoionization detector (PID). The PID was equipped with a 10.6 eV lamp. Conventional, closed container headspace methods were used to screen the soil samples. The PID was calibrated to an isobutylene standard prior to field work. The PID values for each sampling interval can be found on Table 1 below. Recorded PID readings are also presented on the Soil Boring Logs in Appendix B.

One (1) soil sample was retained from each of the four (4) soil borings (B-7 through B-10) in the vicinity of the underground storage tank (UST) farm and fuel dispensing islands for laboratory testing. Samples were labeled, stored in sealed laboratory-supplied containers, placed in a cooler containing ice maintained at or below 4°C and transported to ESG Laboratories, located in Indianapolis, Indiana, following all chain-of-custody controls. The samples were analyzed for total petroleum hydrocarbons (TPH) in both the diesel and gasoline ranges.

TABLE 1- PID Readings
January 31, 2006

Depth (ft)	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10
0-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-18	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
18-20	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
20-22	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
22-24	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
24-26	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
26-28	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA
28-30	NA	NA	NA	NA	NA	NA	0.0	0.0	NA	NA

NA = Not Applicable
All concentrations shown in parts per million (ppm)

2.3 Groundwater Sampling Technique. A groundwater sample was collected from soil boring B-7. To facilitate sampling, a piezometer groundwater sampling point was installed at the boring location. The sampling point consisted of one-inch diameter, PVC casing and 0.010-inch machine slotted screen measuring 10 feet in length. The groundwater sample was obtained by inserting disposable polyethylene tubing into the screened interval and extracting with a peristaltic pump.

The groundwater sample was discharged directly from the sampling device into a laboratory-provided, 40 mL vials containing hydrochloric acid (HCl) as a preservative. The sample was labeled, entered into the chain-of-custody form, placed into a cooler filled with ice and maintained at or below 4°C, for transport to ESG Laboratories. The groundwater sample was analyzed for benzene, toluene, ethylbenzene, xylene, and methyl tertiary butyl ether (BTEX/MTBE) using method SW846-8021.

2.4 Geotechnical Analysis. Soil samples for the geotechnical analysis were collected in the same manner as those soil samples selected for laboratory analysis. Representative samples were selected after visual classification for the following index property tests: moisture content (W%), Atterberg limits (Liquid Limit, LL%; Plastic Limit, PL%; and Plasticity Index, PI%), and hand penetrometer readings (q_p). Soil boring logs prepared by Earth Exploration are presented in Appendix C with the full text of the geotechnical report.

3.0 FINDINGS

3.1 Geology/Hydrogeology. The soils encountered and classified during the SI consisted of primarily of sandy clay with some silty clay and silt loam also present from near the surface to a depth of 3.0 to 6.0 feet below ground surface (bgs). Loamy sand and sand are encountered below 3.0 to 6.0 feet bgs to a depth of approximately 22.5 feet bgs. The sand is underlain by clay loam to a depth of approximately 24.5 to 26.5 feet bgs. Loamy sand was encountered below the clay loam to a maximum drilled depth of thirty feet (30) bgs. The soil boring logs are presented in Appendix B.

3.2 Soil Analytical Results. No TPH concentrations exceeding the laboratory quantitation limits were observed in the soil samples collected at the Site. Table 2 presents the laboratory analytical results. The soil analytical results are also shown on Figure 3 in Appendix A. The laboratory certificate of analysis and chain of custody are also included as Appendix D.

TABLE 2: Soil Analytical Results
Total Petroleum Hydrocarbons (TPH)

Sample I.D.	Date	TPH (gro)	TPH (dro)
B-7 (10-12')	1/31/06	<11	<11
B-8 (8-10')	1/31/06	<10	<10
B-9 (6-8')	1/31/06	<10	<10
B-10 (6-8')	1/31/06	<12	<12

All concentrations in parts per million (ppm)
gro = gasoline range organics
dro = diesel range organics

3.3 Groundwater Analytical Results. A grab groundwater sample was collected from boring location, B-7. According to the laboratory results, the sample did not contain detectable concentrations of dissolved-phase petroleum hydrocarbons. The groundwater analytical data are presented in Table 3 below. Figure 3 in Appendix A also presents the groundwater analytical data. The laboratory certificate of analysis and chain of custody are also included as Appendix D.

TABLE 3: Groundwater Analytical Results

Sample I.D.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
B-7	1/31/06	<5.0	<5.0	<5.0	<5.0	<5.0
RISC Industrial Default Closure Levels		52	20,000	10,000	20,000	870
RISC Residential Default Closure Levels		5	1,000	700	10,000	40

All concentrations in parts per billion (ppb)
Shaded cells indicate concentrations exceeding the RISC Industrial Default Closure Level
Bold numbers indicate concentrations above the IDEM RISC Residential Default Closure Levels

3.4 Geotechnical Results. The near-surface soils (sandy and silty clay) typically contained a moisture content ranging from 15 to 23% and had hand penetrometer readings between 0.75 and 2.5 tons per square feet (tsf) indicating a medium to very stiff consistency. The relative density of the underlying sandy soils was classified as generally very loose to medium dense with the SPT blows per foot (bpf) ranging from 2 to 26, with most falling below 15 bpf. The moisture content of the sandy soils (14.7%), when compared with the Atterberg limits performed on the overlying sandy and silty clay soils, indicates that the sandy soils are of low to moderate plasticity. The results of the geotechnical evaluation are summarized in Table 4, below. The complete geotechnical report, prepared by Earth Exploration, containing a more in-depth discussion of the geotechnical results is included as Appendix C.

TABLE 4: Geotechnical Results

Boring ID (depth in feet)	W (%)	LL (%)	PL (%)	PI (%)	q_p (tsf)
B-2 (0.3-2.3')	18.7	33	15	18	0.75
B-3 (0.3-2.3')	20.5	NA	NA	NA	1.25
B-4 (0.4-2.4')	23.3	NA	NA	NA	1.25
B-5 (0.4-2.4')	14.8	NA	NA	NA	1.5
B-5 (2.4-4.4')	20.5	NA	NA	NA	1.5
B-6 (0.3-2.3')	17.1	NA	NA	NA	0.75
B-6 (2.3-4.3')	19.8	NA	NA	NA	2.5
B-7 (0.3-2.3')	21.5	NA	NA	NA	1.0
B-7 (22.3-24.3')	16.9	NA	NA	NA	2.5
B-7 (24.3-26.3')	21.0	NA	NA	NA	3.0
B-8 (0.5-2.5')	17.7	NA	NA	NA	1.0
B-8 (22.5-24.5')	20.3	NA	NA	NA	2.25
B-8 (24.5-26.5')	23.1	NA	NA	NA	0.75
B-10 (4.3-6.3')	14.7	NA	NA	NA	0.5

NA = Not Analyzed
W = Moisture Content
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
q_p = Hand Penetrometer Reading
% = percent
tsf = tons per square foot

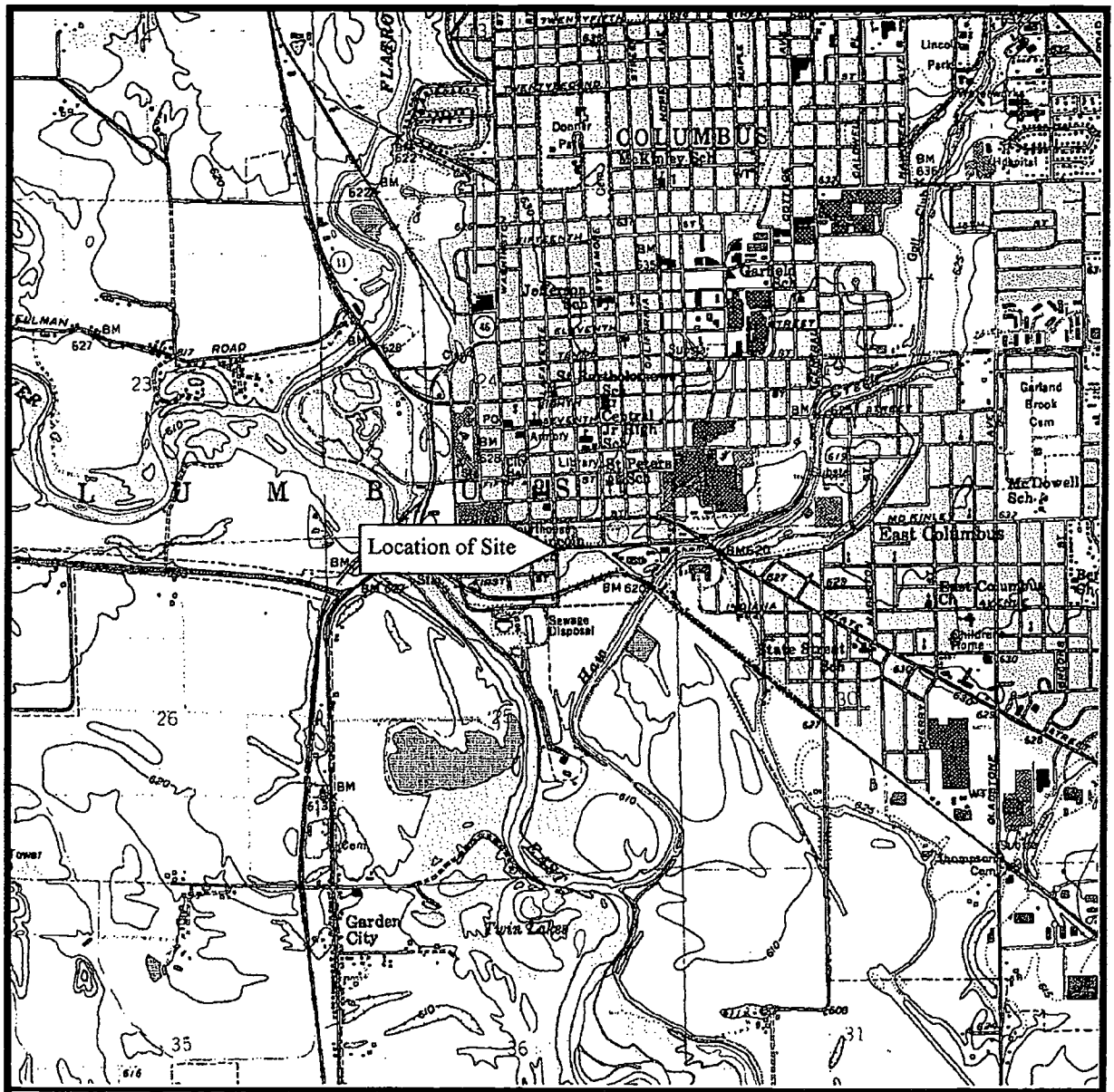
4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions and Recommendations. AEE's limited SI revealed no detectable concentrations of residual phase petroleum hydrocarbons in the soil in vicinity of the underground storage tank (UST) farm and fuel dispensing islands. There is also no evidence of dissolved-phase petroleum hydrocarbons (above laboratory detection limits) in the groundwater sample collected at the Site. Due to the limited scope of AEE's SI, it remains possible that subsurface contamination could be present (however unlikely) at the Site. If the soils at the Site are disturbed or construction operations commence at this property, there is no apparent human health hazard presented by residual or dissolved-phase petroleum hydrocarbons in the soil or groundwater from the previous gas station operations.

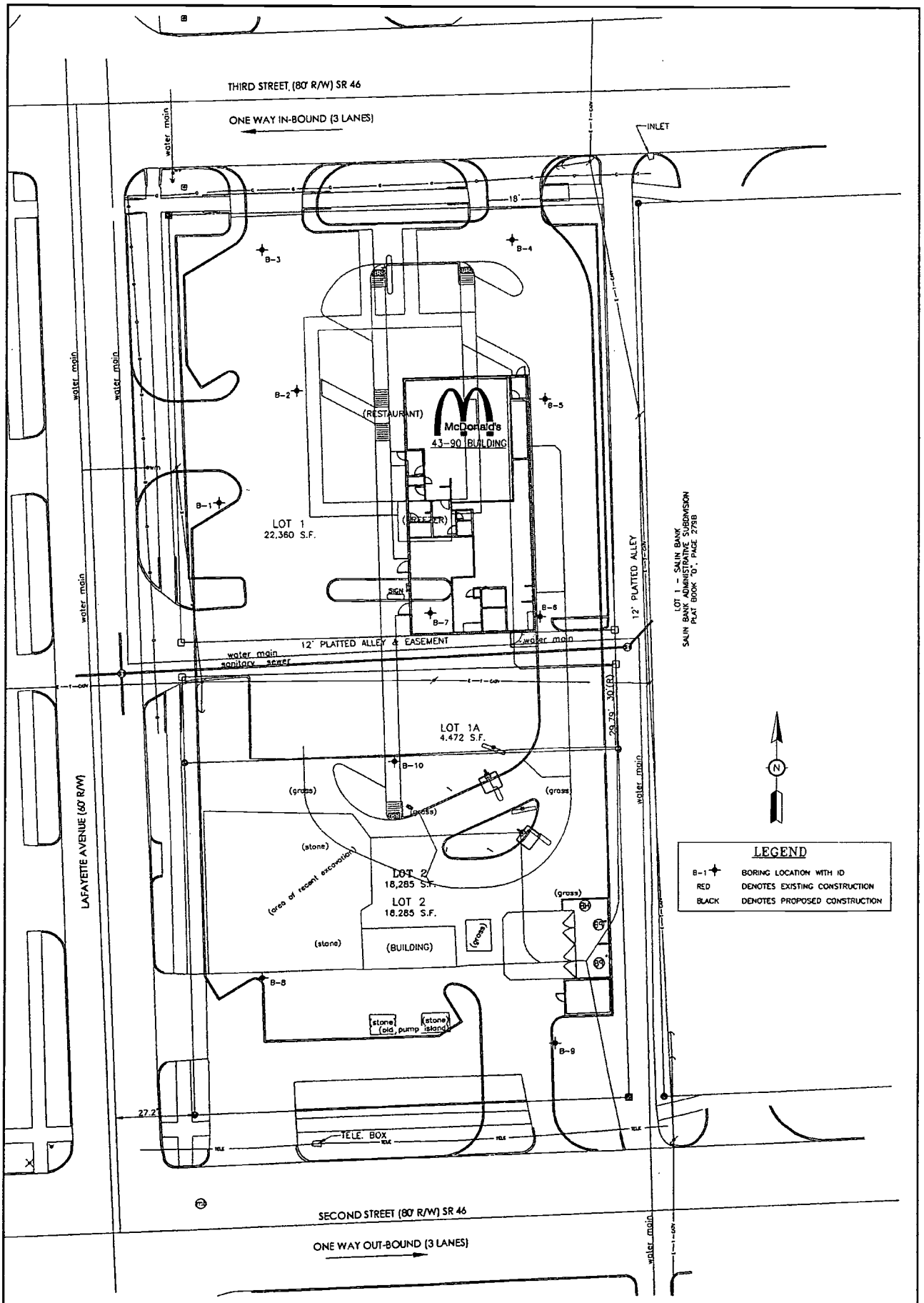
Based on the geotechnical results from the limited number of soil borings, Earth Exploration concludes that the subsurface conditions appear generally conducive for the support of conventional spread foundations, slabs-on-grade, and pavements associated with the proposed construction of a new McDonalds at the Site. Earth Exploration also recommends the removal and disposal of all topsoil, pavement, and structures within the limits of the proposed construction. For a complete discussion of Earth Exploration's conclusions and other specific recommendations, see the complete geotechnical report included in Appendix C.

APPENDIX A

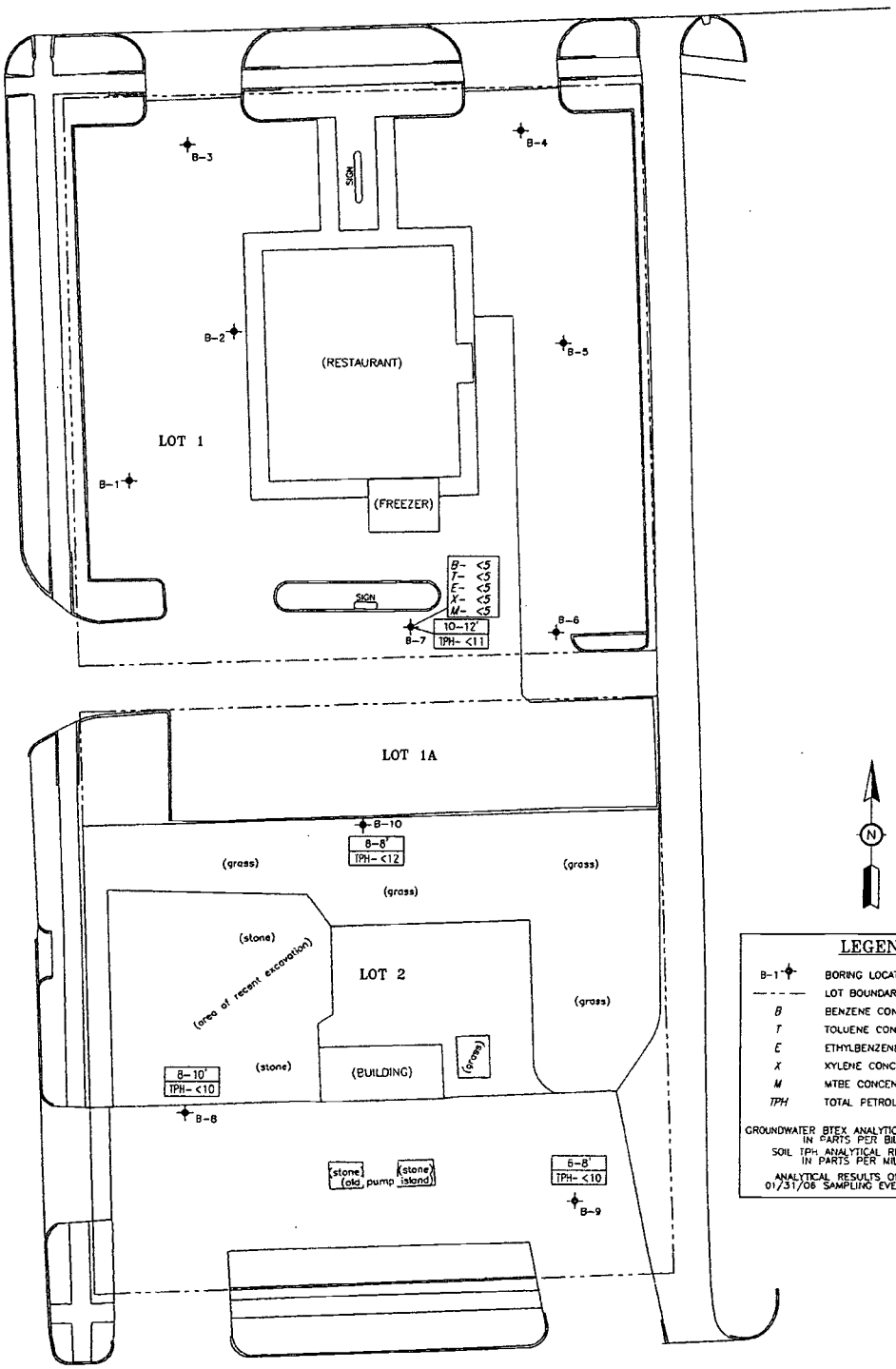
Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Soil and Groundwater Concentration Map



AEE Astbury Environmental Engineering, Inc.	SITE LOCATION MAP **Future McDonalds** 610 2nd Street Columbus, Indiana	Project Number AEE 150.06	Scale 1"=25,000"
		Project Manager F. Nichols	Date 02/14/2006
		File No. -	Figure No. 1



AEE Astbury Environmental Engineering, Inc. www.aeeindy.com	**SITE PLAN** SUBSURFACE INVESTIGATION FUTURE MCDONALDS RESTAURANT 610 2ND STREET, COLUMBUS, INDIANA	PROJECT NO. AEE150.06	SCALE 1" = 30'
		PROJECT MANAGER F. NICHOLS	DATE 02/08/06
		FILE NO. A150062100	FIGURE NO. 2



LEGEND

B-1	BORING LOCATION WITH ID
	LOT BOUNDARY LINES
B	BENZENE CONCENTRATION
T	TOLUENE CONCENTRATION
E	ETHYLBENZENE CONCENTRATION
X	XYLENE CONCENTRATION
M	MTBE CONCENTRATION
TPH	TOTAL PETROLEUM HYDROCARBONS

GROUNDWATER BTEX ANALYTICAL RESULTS REPORTED IN PARTS PER BILLION (PPB)
SOIL TPH ANALYTICAL RESULTS REPORTED IN PARTS PER MILLION (PPM)
ANALYTICAL RESULTS OBTAINED DURING 01/31/06 SAMPLING EVENT UNLESS NOTED.

Astbury Environmental Engineering, Inc.
www.aeeindy.com

SOIL AND GROUNDWATER ANALYTICAL RESULTS (01/31/06)

SUBSURFACE INVESTIGATION
FUTURE MCDONALDS RESTAURANT
610 2ND STREET, COLUMBUS, INDIANA

PROJECT NO.	SCALE
AEE150.06	1" = 30'
PROJECT MANAGER	DATE
F. NICHOLS	02/08/06
FILE NO.	FIGURE NO.
A150062101	3

APPENDIX B

Soil Boring Logs

Astbury Environmental Engineering, Inc.

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-1
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT		1	25	3,4,2,2	0.0	
GRAVEL AND SAND FILL, WITH SOME BRICK FRAGMENTS		2	85	2,2,2,3	0.0	
DARK YELLOWISH BROWN (10YR 4/6), MOIST, SOFT, SLIGHTLY PLASTIC, SANDY CLAY		3	75	2,3,3,3	0.0	
DARK YELLOWISH BROWN (10YR 4/6), MOIST, SOFT, VERY SLIGHTLY PLASTIC, LOAMY SAND		4	80	2,3,2,2	0.0	
YELLOWISH BROWN (10YR 5/4), MOIST, SAND (VERY FINE TO COARSE), WITH GRAVEL (FINE)		5	80	2,3,2,3	0.0	
		6	65	2,1,1,2	0.0	
		7	70	6,7,13,14	0.0	
		8	75	6,7,7,8	0.0	
BORING DEPTH - 16.0'						

DEPTH FT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

Astbury Environmental Engineering, Inc.

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-2
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT		1	1	65	6,5,3,2	0.0	
GRAVEL AND SAND FILL		2					
BROWN (10YR 4/3), MOIST, FIRM, SILT LOAM		3	2	55	2,1,1,1	0.0	
YELLOWISH BROWN (10YR 5/6), MOIST, SOFT, VERY SLIGHTLY PLASTIC, SANDY CLAY		4					
		5	3	75	2,3,3,3	0.0	
YELLOWISH BROWN (10YR 5/4), SLIGHTLY MOIST, SAND (VERY FINE TO COARSE)		6					
		7	4	75	3,5,7,6	0.0	
		8					
		9	5	75	4,5,5,7	0.0	
		10					
		11	6	80	4,5,6,7	0.0	
		12					
		13	7	90	9,14,14,10	0.0	
		14					
		15	8	85	9,10,11,13	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

Astbury Environmental Engineering, Inc.

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-3
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT GRAVEL AND SAND FILL BROWN (10YR 4/3). MOIST. FIRM. PLASTIC. SANDY CLAY YELLOWISH BROWN (10YR 5/4). MOIST. SOFT. LOAMY SAND YELLOWISH BROWN (10YR 5/4). SLIGHTLY MOIST. SAND (VERY FINE TO VERY COARSE). WITH TRACE GRAVEL (FINE)		1	1	80	3,3,4,3	0.0	
		2					
		3	2	85	3,3,3,2	0.0	
		4					
		5	3	75	1,2,2,2	0.0	
		6					
		7	4	65	2,3,3,3	0.0	
		8					
		9	5	85	2,3,4,3	0.0	
		10					
		11	6	90	2,4,5,5	0.0	
		12					
		13	7	90	8,9,11,12	0.0	
		14					
		15	8	85	7,8,9,10	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

Astbury Environmental Engineering, Inc.
www.aeeindy.com

SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-4
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT GRAVEL AND SAND FILL BROWN (10YR 4/3), SOFT, SLIGHTLY PLASTIC, SANDY CLAY BROWN (10YR 4/3), MOIST, SOFT, LOAMY SAND BROWN (10YR 5/3), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE)		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1	85	2,2,3,4	0.0	
			2	65	3,2,2,2	0.0	
			3	60	2,2,2,2	0.0	
			4	75	4,7,10,11	0.0	
			5	80	7,8,10,10	0.0	
			6	75	6,7,8,8	0.0	
			7	85	4,7,8,9	0.0	
			8	80	5,6,7,10	0.0	
BORING DEPTH - 16.0'		16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-5
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT		1	1	95	9,7,6,5	0.0	
GRAVEL AND SAND FILL		2					
BROWN (10YR 4/3), MOIST, FIRM, SILT LOAM, WITH SOME ORGANIC CONTENT		3	2	85	2,3,3,3	0.0	
YELLOWISH BROWN (10YR 5/6), MOIST, SOFT, SLIGHTLY PLASTIC, SANDY CLAY		4					
		5	3	80	1,2,2,1	0.0	
YELLOWISH BROWN (10YR 5/4), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE)		6					
		7	4	70	1,1,1,1	0.0	
		8					
		9	5	85	1,1,1,1	0.0	
		10					
		11	6	80	1,2,1,5	0.0	
		12					
		13	7	75	6,7,8,10	0.0	
		14					
		15	8	85	10,14,11,9	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-6
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/30/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/30/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
ASPHALT		1	1	85	7,3,3,2	0.0	
GRAVEL AND SAND FILL		2					
BROWN (10YR 4/3), MOIST, FIRM, SLIGHTLY PLASTIC, SANDY CLAY		3	2	75	3,3,4,6	0.0	
		4					
		5	3	70	2,3,2,3	0.0	
		6					
YELLOWISH BROWN (10YR 5/4), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE)		7	4	60	1,1,1,1	0.0	
		8					
		9	5	75	2,3,4,4	0.0	
		10					
		11	6	70	3,4,5,6	0.0	
		12					
		13	7	85	8,10,10,10	0.0	
		14					
		15	8	75	6,8,10,11	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-7
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/31/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/31/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
CONCRETE		1	1	75	3,5,3,3	0.0	
GRAVEL AND SAND FILL		2					
BROWN (10YR 4/3), MOIST, SOFT, PLASTIC, SILTY CLAY, WITH TRACE SAND (COARSE TO VERY COARSE)		3	2	85	1,2,2,1	0.0	
BROWN (10YR 4/3), MOIST, SOFT, PLASTIC, SANDY CLAY		4					
		5	3	65	8,10,15,17	0.0	
BROWN (10YR 5/3), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE), AND GRAVEL (FINE TO MEDIUM)		6					
		7	4	70	1,2,1,1	0.0	
		8					
		9	5	60	2,1,1,2	0.0	
		10					
		11	6	75	5,8,9,10	0.0	
		12					
		13	7	80	5,8,10,13	0.0	
		14					
		15	8	85	12,13,13,12	0.0	
		16					
		17	9	95	5,10,12,12	0.0	
		18					
		19	10	85	5,9,9,12	0.0	
		20					
		21	11	75	8,10,12,12	0.0	
		22					
BROWN (10YR 4/3), SLIGHTLY MOIST, STIFF, CLAY LOAM		23	12	85	13,4,8,10	0.0	
		24					
		25	13	80	5,6,6,8	0.0	
		26					
YELLOWISH BROWN (10YR 5/4), MOIST, FIRM, LOAMY SAND		27	14	95	5,7,7,8	0.0	
		28					
		29	15	85	3,4,4,6	0.0	
BORING DEPTH - 30.0'		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-8
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/31/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/31/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
BROWN (10YR 4/3), MOIST, SOFT, SILT LOAM, WITH HIGH ORGANIC CONTENT		1	1	75	1,2,2,2	0.0	
YELLOWISH BROWN (10YR 5/6), MOIST, SOFT, PLASTIC, SANDY CLAY		2 3 4	2	70	3,2,3,2	0.0	
YELLOWISH BROWN (10YR 5/6), MOIST, SOFT, LOAMY SAND		5	3	70	2,3,3,3	0.0	
YELLOWISH BROWN (10YR 5/6), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE)		6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	4	85	4,3,4,5	0.0	
			5	80	5,6,4,9	0.0	
			6	85	7,8,10,13	0.0	
			7	75	6,6,8,4	0.0	
			8	85	4,4,4,5	0.0	
			9	70	6,7,8,10	0.0	
			10	75	6,4,9,9	0.0	
			11	80	6,4,8,9	0.0	
BROWN (10YR 4/3), SLIGHTLY MOIST, STIFF, CLAY LOAM		23 24	12	75	11,9,11,11	0.0	
BROWN (10YR 5/3), MOIST, SOFT, LOAMY SAND		25 26 27 28 29	13	85	4,5,5,6	0.0	
			14	95	4,4,5,6	0.0	
			15	85	6,7,6,6	0.0	
BORING DEPTH - 30.0'		30 31 32 33 34 35 36 37 38 39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

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SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-9
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/31/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/31/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
CONCRETE		1	1	95	2,3,3,3	0.0	
GRAVEL AND SAND FILL		2					
BROWN (10YR 4/3), MOIST, FIRM, SOFT, LOAMY SAND		3	2	90	3,3,3,4	0.0	
		4					
YELLOWISH BROWN (10YR 5/6), MOIST, SOFT, PLASTIC, SANDY CLAY		5	3	95	3,3,4,4	0.0	
		6					
		7	4	85	3,5,4,4	0.0	
YELLOWISH BROWN (10YR 5/4), MOIST, SAND (VERY FINE TO VERY COARSE)		8					
		9	5	80	3,5,6,6	0.0	
		10					
		11	6	95	6,7,4,8	0.0	
		12					
		13	7	90	6,7,7,8	0.0	
		14					
		15	8	95	7,8,8,9	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

Astbury Environmental Engineering, Inc.
www.aeeindy.com

SOIL BORING LOG

CLIENT	BUSHMAN REALTY, LLC	BORING NUMBER	B-10
PROJECT NAME	FUTURE MCDONALDS RESTAURANT	JOB NUMBER	AEE150.06
PROJECT LOCATION	610 2ND STREET, COLUMBUS, INDIANA	START DATE	01/31/06
DRILLING COMPANY	EARTH EXPLORATION	COMPLETION DATE	01/31/06
DRILLER	B. JUDY	METHOD	3-1/4" HSA
LOGGED BY/CHECKED BY	J. KINMAN/F.NICHOLS	EQUIPMENT	CME-75

SAMPLE DESCRIPTION	STRATUM DEPTH	DEPTH FT	SAMPLE NUMBER	RECOVERY %	BLOW COUNTS	PID	REMARKS
YELLOWISH BROWN (10YR 5/4), SLIGHTLY MOIST, SOFT, LOAMY SAND, WITH MEDIUM ORGANIC CONTENT		1	1	75	1,1,2,2	0.0	
		2					
		3	2	60	2,1,1,2	0.0	
		4					
BROWN (10YR 4/3), MOIST, SOFT, SLIGHTLY PLASTIC, SANDY CLAY		5	3	75	2,1,2,3	0.0	
		6					
YELLOWISH BROWN (10YR 5/4), SLIGHTLY MOIST, SOFT, LOAMY SAND		7	4	65	2,1,1,1	0.0	
		8					
BROWN (10YR 5/3), SLIGHTLY MOIST, SAND (VERY FINE TO VERY COARSE), AND GRAVEL (FINE TO MEDIUM)		9	5	75	2,1,1,2	0.0	
		10					
		11	6	70	2,3,3,4	0.0	
		12					
		13	7	75	10,12,12,12	0.0	
		14					
		15	8	85	16,13,14,14	0.0	
BORING DEPTH - 16.0'		16					
		17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
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		31					
		32					
		33					
		34					
		35					
		36					
		37					
		38					
		39					

WATER LEVEL OBSERVATIONS		
INITIAL GW LEVEL	-	FT
GW LEVEL	-	FT
TIME/DATE	-	

APPENDIX C

Earth Exploration's
Geotechnical Evaluation (February 10, 2006)

GEOTECHNICAL EVALUATION

PROPOSED McDONALD'S RESTAURANT
COLUMBUS, INDIANA

Prepared for

ASTBURY ENVIRONMENTAL ENGINEERING, INC.
5645 WEST 79th STREET
INDIANAPOLIS, INDIANA 43278

By

EARTH EXPLORATION, INC.
7770 WEST NEW YORK STREET
INDIANAPOLIS, INDIANA 46214-2988

February 10, 2006

EARTH EXPLORATION

February 10, 2006

Mr. Fred Nichols
Astbury Environmental Engineering, Inc.
5645 West 79th Street
Indianapolis, IN 43278

EARTH EXPLORATION INC.

7770 West New York Street
Indianapolis, IN 46214-2988
317-273-1690 (FAX) 317-273-2250

4310-C Technology Drive
South Bend, IN 46628
574-233-6820 (FAX) 574-233-8242

Re: Geotechnical Evaluation
Proposed McDonald's Restaurant
Columbus, Indiana
EEI Project No.: 1-06-028

Dear Mr. Nichols:

We have completed our geotechnical evaluation for the referenced project. This report presents the results of our subsurface exploratory program and provides geotechnical recommendations for foundation and pavement design and construction. For your information, we are enclosing three copies of our report for your review and distribution. Unless you notify us otherwise, we will retain the soil samples from the exploratory program for 60 days and then discard them.

We appreciate the opportunity to provide our services to you and trust that this information is sufficient for your present needs. Within about a week, we intend to contact you to discuss the contents of this report. However, if you or others should have any questions in the interim, feel free to contact us.

Sincerely,

EARTH EXPLORATION, INC.

Darren R. Pleiman, P.E.
Senior Geotechnical Engineer

Scott J. Ludlow, Ph.D., P.E.
Principal Engineer

SUMMARY OF RECOMMENDATIONS[1]
GEOTECHNICAL EVALUATION
PROPOSED McDONALD'S RESTAURANT
COLUMBUS, INDIANA
EEI PROJECT NO.: 1-06-028

We understand that a new McDonald's Restaurant is planned to be constructed on three combined lots (from north to south) between Second and Third Streets east of Lafayette Avenue, in Columbus, Indiana.

Surface Conditions
The site is covered primarily with Portland cement and asphaltic concrete parking and drive areas (thicknesses of 3 to 5 in.). There are currently two existing buildings on the combined lots; an existing 50 ft by 60 ft single-story building near the middle of the north lot and a 14 ft by 32 ft single-story building near the middle of the south lot. Portions of the south lot are covered by grassy areas and a crushed aggregate area (indicating recent excavation for underground storage tanks).

Subsurface Conditions
The subsurface soil profile was relatively similar and generally consisted of a relatively thin stratum of near-surface cohesive soils overlying granular soils. The soil profile consisted primarily of sandy and silty clays to depths of 2 to 4 ft below the existing ground surface. Underlying the cohesive soils, clayey and silty sand was encountered to depths of about 4 to 6 ft below the existing ground surface. Below these soils, fine to medium sand was encountered to the depths explored. A petroleum odor was evident at Boring SB-7 at a depth of about 20 to 22 ft.

Observations made during the sampling process and at the completion of the field activities generally did not indicate the presence of groundwater within the depths explored, with the exception of Boring SB-7 and SB-8. At these two borings, groundwater was encountered at depths of 26 to 28 ft below the existing ground surface.

Discussion and Recommendations
Based on the information obtained at the boring locations, it is our opinion that the subsurface conditions are generally conducive for the support of conventional spread foundations, slabs-on-grade and pavements. We recommend the removal of all topsoil, pavement, and structures within the limits of the proposed construction. During demolition, we recommend that all debris from the two existing above ground buildings (including foundations) and any below-grade structures, be completely removed from the site. Based on information provided by AEE, the pump island and underground storage tanks for the former gas station have been removed.

Foundation Considerations
Provided the foundation subgrades are prepared in accordance with Section 6.2 of the report, the naturally-occurring medium to very stiff cohesive soils, medium dense granular soils and/or engineered fill (used to raise site grades) should provide adequate support for spread foundations. In our opinion, these soils are capable of supporting foundations designed for a net allowable soil bearing pressure of 2,500 lbs/sq ft (psf). Sign foundations are anticipated to be established at a depth of about 5 ft or more below finish grade in order to resist lateral and overturning loads and may be designed for a net allowable soil bearing pressure of 3,500 psf.

Slab-on-Grade
Based on the proposed construction, we anticipate that the majority of the floor slab will be supported on cohesive soils or engineered fill. Provided the subgrade areas are prepared in accordance with Section 6.2 of the report, we recommend using a modulus of subgrade reaction of 60 lbs/cu in. for design of the floor slab. To provide uniform bearing and minimize the movement of soil moisture into the slab, we recommend that the upper 6 in. of soil immediately below the floor slab consist of a clean, free-draining granular soil (e.g., INDOT No. 23).

Pavement Considerations
We anticipate that the pavement subgrade is likely to consist of medium to very stiff cohesive soils (i.e., sandy clay and silty clay), very loose to loose granular soils (clayey sand) and/or engineered fill. In our opinion, the pavement design will be controlled by the cohesive soils which present a relatively poor subgrade condition due to their frost susceptibility and tendency to loose strength when wet. Consequently, we recommend using a California Bearing Ratio (CBR) value of 2.5.

---

[1] The purpose of this summary is to provide an abbreviated discussion of our recommendations contained in the attached evaluation. In our opinion, the recommendations in this summary are the "most significant" geotechnical issues affecting the proposed construction. For additional discussion and recommendations, our geotechnical report should be consulted and/or Earth Exploration, Inc. should be contacted

TABLE OF CONTENTS

APPENDICES

GEOTECHNICAL EVALUATION
PROPOSED McDONALD'S RESTAURANT
COLUMBUS, INDIANA
EEI PROJECT NO.: 1-06-028

1. INTRODUCTION

This report presents the results of our subsurface exploratory program for a proposed McDonald's Restaurant to be located on the southwest side of Columbus, Indiana. This report also provides geotechnical recommendations as related to the subsurface conditions, for foundation design and construction, pavement design, as well as earthwork aspects of site development. The work for this project was formally authorized by Mr. Fred Nichols of Astbury Environmental Engineering, Inc. (AEE) on January 25, 2006, via acceptance of our proposal, (EEI) Proposal No. P1-06-028.

This evaluation provides an assessment of the subsurface conditions revealed by the test borings performed at the locations indicated on an attached plan. The opinions and recommendations expressed in this report are based only on the information obtained at the test boring locations and do not reflect the possible variations in subsurface conditions which may exist between or beyond these locations. Understandably, variations in subsurface conditions can be expected between the locations, and fluctuation of the groundwater level can occur with time. The nature and extent of these variations may not become evident until the course of construction. If variations in the subsurface conditions become apparent during construction, it may be necessary to re-evaluate the conclusions and recommendations provided in this report. Other important information regarding this evaluation is contained in Appendix A.

2. PROJECT DESCRIPTION

We understand that a new McDonald's Restaurant is planned to be constructed on three combined lots (from north to south) between Second and Third Streets east of Lafayette Avenue. The two northern lots consisted of an abandoned fast food restaurant and associated parking lot, while the southern lot consisted of an abandoned gas station. Refer

to Drawing No. 1-06-028.B1 in Appendix C for the location and a general layout of the proposed improvements. Based on information provided by Astbury Environmental Engineering, Inc. (AEE), the new building is planned to be located near the middle of the combined parcel with the driveway and parking areas surrounding the building. The restaurant is planned to consist of a single story structure supported by shallow spread foundations and include a slab-on-grade floor system.

Based on our experience with similar projects, structural loads are not anticipated to exceed 3 kips/lin. ft along wall footings and 50 kips at interior column locations. Further details regarding other project elements/requirements such as the anticipated traffic loading and frequency, and construction schedule are not known at this time. In the event that there are changes in the proposed construction, or our assumptions or understanding of the proposed construction are incorrect, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions are modified or confirmed in writing.

3. PURPOSE AND SCOPE OF WORK

The purpose of this evaluation was to: 1) assess the subsurface soil and groundwater conditions for geotechnical considerations; 2) provide recommendations for foundations, floor slab, and pavement design; and 3) suggest approaches to excavating, fill placement and compaction, and other foundation-related construction practices. An environmental assessment was performed by AEE in conjunction with this evaluation. It should be noted that this evaluation does not address environmental issues related to the soils encountered. Our scope of work included:

1. Performing ten (10) exploratory test borings to depths of about 16 to 30 ft below the existing ground surface;

2. Performing index property tests including visual soils classification (ASTM D 2488), natural moisture content (ASTM D 2216), Atterberg limits determinations (ASTM D 4318) and calibrated hand penetrometer readings

(which provides an indication of the shear strength characteristics of cohesive-type soils); and

3. Preparing a technical report which includes information on the subsurface conditions and recommendations for geotechnical considerations regarding:

   a) Site preparation and improvement of in-situ soils for support of foundations, floor slabs, and pavements;

   b) Suitability of the excavated soils for use as backfill and engineered fill, including recommendations for placement and compaction;

   c) Suitable foundation type(s), including an allowable bearing pressure, bearing elevations and anticipated settlement;

   d) Slab-on-grade considerations including an estimated modulus of subgrade reaction;

   e) Pavement design considerations including an estimated CBR value;

   f) Seismic site coefficient according to Table 1615.1.1 of the Indiana Building Code (2003 edition);

   g) Potential construction problems due to subsurface conditions (e.g., instability of temporary excavations/earth slopes, inadequate surface water drainage and dewatering, and the effect of weather/construction equipment on the soils).

4. FIELD EXPLORATION AND LABORATORY TESTING

4.1 General

Subsurface conditions within the project site were explored by performing eight test borings to a depth of 16 and two test borings to a depth of 30 ft below existing ground surface at the locations shown on the Test Boring Location Plan (Drawing No. 1-06-028.B1) in Appendix C. The number, location and depth of the borings were selected by AEE in conjunction with EEI. Prior to exploratory activities, the borings were located in the field by AEE and topographic information was not provided.

4.2 Exploratory Methods and Sample Collection

Exploratory field activities were performed by EEI on January 31, 2006, using hollow stem augers to advance the boreholes. Samples of the soil strata were obtained at continuous intervals (i.e., every 24-in.) to the depths explored with a split-spoon sampler using Standard Penetration Test (SPT) procedures (ASTM D 1586). Following the completion of the exploratory activities, final water level readings were obtained, and each borehole was backfilled with auger cuttings, and a bentonite chip plug was placed near the surface. Further details of the drilling and sampling procedures are provided in Appendix B.

4.3 Laboratory Observations and Testing

Following the field activities, the soil samples were visually classified by an EEI engineering technician and reviewed by an EEI geotechnical engineer. Final boring logs were then prepared and are included in Appendix C. After visually classifying the soils, representative samples were selected for index property testing. These tests included: moisture content (W%), Atterberg limits (LL%, PL%, PI%) and hand penetrometer readings (q_p; which provides an indication of the shear strength characteristics of cohesive-type soils). The results of the tests are provided on the boring logs in Appendix C. Soil classifications on the boring logs are according to the Unified Soil Classification System. Further details of the classification system are also provided in Appendix C. The final boring logs represent our interpretation of the individual samples and field logs. Stratification lines on the boring logs represent the approximate boundary between soil types; although the transitions may actually be gradual.

5. SITE CONDITIONS

5.1 Surface Characteristics

Based on observations by AEE and EEI field personnel, the site is covered primarily with Portland cement and asphaltic concrete parking and drive areas. There are currently two existing buildings on the combined lots; an existing 50 ft by 60 ft single-story building near the middle of the north lot and a 14 ft by 32 ft single-story building near the middle of the

south lot. Portions of the south lot are covered by grassy areas and a crushed aggregate area (indicating recent excavation for underground storage tanks).

5.2 Soil Conditions

Based on information at the test boring locations, the subsurface soil profile was relatively similar and generally consisted of a relatively thin stratum of near-surface cohesive soils overlying granular soils. The surface conditions typically consisted of Portland cement and asphaltic concrete with thicknesses of about 3 to 5 in. At Boring SB-8, approximately 6 in. of topsoil was encountered at the ground surface. The soil profile consisted primarily of sandy and silty clays to depths of 2 to 4 ft below the existing ground surface. Underlying the cohesive soils, clayey and silty sand was encountered to depths of about 4 to 6 ft below the existing ground surface. Below these soils, fine to medium sand was encountered to the depths explored. At Borings SB-7 and SB-8, sandy clay was encountered from about 22 to 26 ft below the existing ground surface. Soil fill consisting of fine to medium sand and clayey sand were also encountered at Borings SB-1 and SB-10 to depths of about 4 to 10 ft below existing ground surface. A petroleum odor was evident at Boring SB-7 (sample no. 11) at a depth of about 20 to 22 ft. No additional laboratory testing, other than visual classification, was performed on the petroleum impacted sample.

Based on our observations, the consistency of the near-surface sandy and silty clay was typically medium to very stiff with hand penetrometer readings generally ranging from ¾ to 2½ tons/sq ft (tsf). The moisture content of these soils was generally on the order of 15 to 23 percent. The consistency of the deeper sandy clay was typically medium to very stiff with hand penetrometer readings generally ranging from ¾ to 3 ton/sq ft (tsf), and moisture contents were on the order of 17 to 23 percent.

The relative density of the granular soils was generally very loose to medium dense with SPT N-values ranging from 2 to 26 blows/ft (bpf), with the majority of those less than 15 bpf. Comparing Atterberg limits performed on a near-surface cohesive soil sample to the

moisture contents, it appears that these soils are of low to moderate plasticity. A grain size analysis of a granular soil sample indicated a P-200 (percent passing the No. 200 sieve) of 10.3 percent.

5.3 Groundwater Conditions

Groundwater level observations made during and after the completion of the exploratory activities are shown at the bottom of the logs. Observations made during the sampling process and at the completion of the field activities generally did not indicate the presence of groundwater within the depths explored, with the exception of Boring SB-7 and SB-8. At these two borings, groundwater was encountered at depths of 26 to 28 ft below the existing ground surface. Given the predominantly granular subsurface profile encountered at the borings, the actual "static" groundwater level, in our opinion, appears to be at a depth of about 26 to 28 ft below the existing ground surface. It should also be recognized that groundwater levels either static or perched can fluctuate due to changes in precipitation, infiltration, surface run-off, construction activities, and other hydrogeological factors.

6. DISCUSSION AND RECOMMENDATIONS

6.1 General

Based on the information obtained at the boring locations, it is our opinion that the subsurface conditions are generally conducive for the support of conventional spread foundations, slabs-on-grade and pavements. In addition, considering the moisture-sensitive nature of the near-surface cohesive soils, proper site preparation is essential in order to provide adequate support of these elements. It should be noted that if the site is not properly prepared, stabilization of the subgrade may be necessary. Recommendations related to these and other important aspects of design and construction are provided in the following paragraphs. Furthermore, we recommend that EEI be present during all phases of site preparation and earthwork construction activities to confirm that foundation and pavement subgrades are prepared in accordance with the recommendations contained herein.

6.2 Site Preparation and Earthwork Activities

6.2.1 Topsoil Removal and Subgrade Stabilization

As an initial step in preparing the site, we recommend the removal of all topsoil and pavement within the limits of the proposed construction. The removal activities should extend a minimum of 5 ft beyond the limits of the proposed construction. Consideration could be given to leaving existing pavements, not in the proposed building area, in place to help protect the near-surface cohesive soils from excessive construction traffic. Also, to minimize the risk of softening of the near-surface soils especially when exposed to excessive moisture, we recommend that proper site drainage be provided at the time of construction. If consideration is given to removing the topsoil and pavement over the entire site, stabilization of the subgrade may be required to minimize the risk of softening of the soils during construction and provide adequate support of foundation and pavement elements depending on weather conditions at the time of construction.

During demolition, we recommend that all debris from the two existing above ground buildings (including foundations) and any below-grade structures (e.g., grease pit for the restaurant, and old storm and sanitary sewers), be completely removed from the site. Abandoned utilities should be completely removed and the subsequent excavation backfilled with compacted engineered fill. Based on information provided by AEE, the pump island and underground storage tanks for the former gas station have been removed.

6.2.2 Subgrade Preparation

Following the above-mentioned activities, we recommend that the exposed cohesive subgrade soils be proof-rolled with a heavy rubber-tired vehicle. The purpose of proof-rolling is to provide a first-order evaluation of how the subgrade is anticipated to react to construction traffic (i.e., during fill placement), and gain an additional understanding of how the foundations, floor slab and pavement will behave following construction. Where granular soils are exposed, we recommend that they be thoroughly compacted with a vibratory compactor in order to improve the subgrade conditions. We also recommend that

proof-rolling and compaction activities be observed by an EEI geotechnical engineer or engineering technician to evaluate the presence of any soft/loose areas of the subgrades. Where soft/loose areas are delineated, we recommend that they be stabilized or undercut and replaced with engineered fill. The need/use of a particular stabilization technique should be based on the field conditions at the time of construction. In addition, where very loose to loose granular soils are encountered, such as those indicated on the attached boring logs (at the foundation or pavement subgrade) or loosened by the removal activities, we recommend that the subgrade be compacted to 95 percent of the modified Proctor density (ASTM D 1557). Considering that the observed near-surface soils contain an appreciable amount of soil fines and are susceptible to "pumping" as well as sensitive to changes in moisture, care should also be taken to minimize the amount of disturbance.

In our opinion, stabilization of the cohesive subgrade (including the clayey sand) may consist of several alternatives including continuous aerating (i.e., to reduce the soil moisture content) and recompaction, the use of lime/kiln dust, a large-sized aggregate (e.g., a No. 2 stone), or a combination of smaller sized aggregate (e.g., a No. 53 stone) and a high-tensile modulus biaxial geogrid. If aeration is performed, this process should include a continuous discing process to breakdown larger soil particles and expose a greater soil surface area. Refer to Indiana Department of Transportation [INDOT] Standard Specifications, 2006, Section 904.02[e] for gradation sizes of the aggregates noted above. For disturbed or loose granular soils, thorough compaction with a vibratory compactor should be sufficient to stabilize granular subgrades. Additionally, once the earthwork specification has been prepared, it is recommended that EEI be retained to review the specification and provide comments on how to modify it, if necessary, to avoid potential costly change orders during construction. Depending on when construction takes place, it may be prudent to include line items for the previously mentioned stabilization techniques within the bid. Although the type of technique can be identified prior to construction with relative accuracy (i.e., for execution and performance), often the prediction of the location/area to be stabilized is less accurate. Therefore, we also recommend that EEI be

present during construction to observe the subgrade conditions prior to construction of foundation and pavement elements and provide suggestions to the owner on how to stabilize an area, if necessary. Additionally, the need and use of these techniques is highly dependent on when construction takes place and how the specification is written.

6.2.3 Engineered Fill Placement and Compaction

Following proof-rolling, fill placement may then proceed where needed to establish foundation, floor slab, and pavement grades. We understand that the new restaurant and associated parking and drive areas are planned to be established at or near the existing grade and that minimal fill will be required. Where raising the grade will be necessary, we recommend the use of engineered fill. In our opinion, the on-site soils, with the exception of topsoil, are suitable for reuse as engineered fill. However, it should be noted that the near-surface cohesive soils (encountered at most of the borings) and the clayey sand (observed near the surface at several borings) are moisture sensitive and will require moisture conditioning (as discussed in Section 6.2.2) prior to obtaining adequate compaction. Depending on the weather/moisture conditions at the time of construction, it may be extremely difficult to achieve adequate compaction. If conditions are cold and/or wet at the time of construction, consideration should be given to the use of an imported granular soil with less than 12 percent fines. The fine to medium sand tested at Boring SB-9 and encountered at several other borings, had a P-200 (percent passing the No. 200 sieve) of 10.3 percent.

We also recommend that engineered fill be placed in horizontal lifts not exceeding 8 in. in loose lift thickness and be compacted to 95 percent of the modified Proctor density (ASTM D 1557). It should also be noted that the acceptable thickness of loose lifts of engineered fill and/or the number of passes required by the compaction equipment to achieve compaction to the density recommended in this report will be a function of the type of compaction equipment and techniques used, the soil type, as well as proper control of the soil moisture content and the season in which construction takes place. We

recommend that EEI be present during any fill placement to perform periodic field density tests to determine the adequacy of the compactive effort. Additional recommendations regarding compacted fill are provided in Appendix D.

6.3 Foundation Considerations

Provided the foundation subgrades are prepared in accordance with Section 6.2, the naturally-occurring medium to very stiff cohesive soils, medium dense granular soils and/or engineered fill (used to raise site grades) should provide adequate support for spread foundations. In our opinion, these soils are capable of supporting foundations designed for a net allowable soil bearing pressure of 2,500 lbs/sq ft (psf). Sign foundations are anticipated to be established at a depth of about 5 ft or more below finish grade in order to resist lateral and overturning loads. Based on the deeper embedment, sign foundations are anticipated to be established in very loose to medium dense granular soils. In our opinion, sign foundations established at a depth of 5 ft or more may be designed for a net allowable soil bearing pressure of 3,500 psf.

The lateral loads on a shallow spread footing will be resisted by the base friction and passive resistance. For a spread footing established at least 5 ft below the finished ground surface, the following soil parameters may be used for design:

Soil Parameters	Granular Soils
Ultimate Base Friction Coefficient (tan δ)	0.35
Passive Resistance, Soil Backfill (FS=2)	150 psf/ft
Soil Backfill Unit Weight	110 pcf

Where soft/loose soils are encountered during foundation excavation which will not improve with repeated compaction, we recommend that they be removed and replaced with engineered fill consisting of granular soils. In this case, the excavation, in our opinion, should be widened beyond the footing width a distance equal to the depth of undercut to

provide for a uniform stress distribution. Lean concrete could also be considered in lieu of granular soil fill in foundation undercut areas. In this case, widening of the excavation would not be required.

To minimize the potential for a localized shear failure, we also recommend that column and wall foundations be a minimum width of 30 in. and 18 in., respectively. In addition, we recommend that soil used as backfill of foundations be placed in an engineered manner as previously discussed. For frost protection, we recommend that exterior foundations be established a minimum depth of 3 ft below the finished exterior grade. Based on these recommendations, total and differential settlements are not anticipated to exceed 1 in. and ½ in., respectively.

6.4 Seismic Considerations

In general, the soil profile within the depths explored consisted of medium to very stiff cohesive soils and very loose to medium dense granular soils. In addition, from information published in a reference titled "*Map of Indiana Showing Thickness of Unconsolidated Deposits*" (Department of Natural Resources), bedrock is anticipated to be approximately 0 to 100 ft below the existing ground surface. Therefore, based on the soil descriptions provided in Table 1615.1.1 of the 2003 Indiana Building Code (IBC), it is our opinion that the conditions encountered at the project site most-closely resemble Site Class E. Accordingly, we recommend that the earthquake loads be determined using Site Class E. (Note that the site class definitions are based on average properties for a depth of 100 ft and our exploratory activities only extended to a depth of 30 ft.)

6.5 Slab-on-Grade

Based on the proposed construction, we anticipate that the majority of the floor slab will be supported on cohesive soils or engineered fill. Provided the subgrade areas are prepared in accordance with Section 6.2, we recommend using a modulus of subgrade reaction of 60 lbs/cu in. for design of the floor slab. To provide uniform bearing and minimize the

movement of soil moisture into the slab, we recommend that the upper 6 in. of soil immediately below the floor slab consist of a clean, free-draining granular soil (e.g., INDOT No. 23).

Intrusion of subgrade moisture through the floor slab can occur through fluid or vapor phase as the result of hydraulic, thermal or humidity gradients. To reduce the impact of this subsurface moisture and the potential from other moisture sources, a common practice is to place a vapor barrier under the slab. This is particularly true where moisture sensitive floor coverings are anticipated. Depending on the details of the vapor barrier design, the system may not be completely effective in preventing floor slab moisture problems.

It must be understood that factors other than a vapor barrier can significantly influence flooring problems. These other factors include quality of concrete, interior ventilation, type of flooring adhesive, concrete curing time, and sources of moisture from plumbing leaks, landscaping or surface drainage. It should be understood that we are not floor moisture proofing experts. The building designers should consider all available measures for slab moisture protection. We recommend consulting with the floor covering manufacturer, installer or their consultant prior to installation of the floor coverings regarding the most appropriate methods for controlling subgrade moisture intrusion.

6.6 Pavement Design Considerations

We anticipate that the pavement subgrade is likely to consist of medium to very stiff cohesive soils (i.e., sandy clay and silty clay), very loose to loose granular soils (clayey sand) and/or engineered fill. Provided the pavement subgrade is prepared in accordance with Section 6.2, the existing soils or engineered fill should provide adequate support for the pavement. In our opinion, the pavement design will be controlled by the cohesive soils. These soils are considered to present a relatively poor subgrade condition due to their frost susceptibility and tendency to loose strength when wet. Traffic information was not

available at the time this report was prepared. Consequently, we recommend using a California Bearing Ratio (CBR) value of 2.5.

Where concrete pavement is used, the concrete should be properly reinforced and jointed and should have a minimum 28 day compressive strength of 4,000 psi. In general, particular attention to subgrade preparation, control of surface and subsurface drainage and periodic preventive maintenance are critical to the design life of pavement. In our opinion, the final pavement design should also incorporate adequate surface and subsurface drainage to minimize the risk of subgrade softening (i.e., causing loss of support).

6.7 Construction Considerations

Based on the information obtained at the boring locations, shallow excavations are not anticipated to encounter groundwater. If infiltrating water (from precipitation or perched seams) is encountered during foundation excavations, it can likely be removed by using a pump and filtered sump possibly in combination with collection trenches.

In general, shallow excavations are anticipated to expose both cohesive and granular soils. All excavations should conform with Occupational Safety and Health Administration (OSHA) requirements (i.e., 29 CFR Part 1926). The Contractor is solely responsible for constructing and maintaining stable excavations. Additionally, soil should not be stockpiled immediately adjacent to the top of the excavation. In our opinion, the cohesive soil encountered on this project may be classified as Type A, B, or C depending on their strength characteristics and the granular soils may be classified as Type C (according to OSHA), and should be treated accordingly.

Because clayey subgrade soils tend to soften when exposed to water, surface run-off should be diverted from excavations, and ponding of water from rainfall should be minimized. In addition, due to the clayey nature of the soils, construction traffic on floor slab

and pavement subgrades, should be minimized. If areas of the subgrade become disturbed or begin to "pump," they should be stabilized using the methods in Section 6.2. To minimize general deterioration of the subgrade soils, appropriate construction sequencing of earthwork and concrete placement are recommended.

7. CONCLUDING REMARKS

We recommend that EEI be provided the opportunity to review the final design and project specifications to confirm that earthwork and foundation requirements have been properly interpreted and implemented in the design and specifications. We recommend that EEI also be retained to observe the subgrade conditions during construction. This will allow us to verify that construction proceeds in compliance with the design concepts, specifications and recommendations. It will also allow design changes to be made more expediently in the event that subsurface conditions differ from those anticipated.

This evaluation has been conducted in accordance with generally accepted soil and foundation engineering practices. The conclusions and recommendations contained in this report are based on the subsurface information from the few, widely-spaced borings performed for this project. It is important to recognize that subsurface conditions can vary over relatively short distances. If unanticipated conditions are encountered during construction, we recommend that EEI be retained to re-evaluate the conclusions and recommendations contained in this report.

APPENDIX A

IMPORTANT INFORMATION ABOUT YOUR
GEOTECHNICAL ENGINEERING REPORT

Important Information About Your

Geotechnical Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

The following information is provided to help you manage your risks.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. *No one except you* should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one—not even you*—should apply the report for any purpose or project except the one originally contemplated.

Read the full report

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A Geotechnical Engineering Report Is Based on A Unique Set of Project-Specific Factors

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, *do not rely on a geotechnical engineering report* that was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions *only* at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an *opinion* about subsurface conditions throughout the site. Actual subsurface conditions may differ—sometimes significantly—from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are *Not* Final

Do not overrely on the construction recommendations included in your report. *Those recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations only by observing actual subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's recommendations if that engineer does not perform construction observation.*

A Geotechnical Engineering Report Is Subject To Misinterpretation

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Contractors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time* to perform additional study. Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce such risks, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations", many of these provisions indicate where geotechnical engineers responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

Rely on Your Geotechnical Engineer for Additional Assistance

Membership in ASFE exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with your ASFE-member geotechnical engineer for more information.

ASFE

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UGER1000.10M

APPENDIX B

FIELD METHODS FOR EXPLORING AND SAMPLING SOILS AND ROCK

FIELD METHODS FOR EXPLORING AND SAMPLING SOILS AND ROCK

A. Boring Procedures Between Samples

The boring is extended downward, between samples, by a hollow stem auger, continuous flight auger, driven and washed-out casing, or rotary boring with drilling mud or water.

B. Standard Penetration Test and Split-Barrel Sampling of Soils
(ASTM* Designation: D 1586)

This method consists of driving a 2-in. outside diameter split-barrel sampler using a 140-lb weight falling freely through a distance of 30 in. The sampler is first seated 6 in. into the material to be sampled and then driven 12 in. The number of blows required to drive the sampler the final 12 in. is recorded on the Log of Test Boring and known as the Standard Penetration Resistance or N-value. Recovered samples are first classified as to texture by the field personnel. Later in the laboratory, the field classification is reviewed by a geotechnical engineer who observes each sample.

C. Thin-walled Tube Sampling of Soils
(ASTM* Designation: D 1587)

This method consists of hydraulically pushing a 2-in. or 3-in. outside diameter thin wall tube into the soil, usually cohesive types. Relatively undisturbed samples are recovered.

D. Soil Investigation and Sampling by Auger Borings
(ASTM* Designation: D 1452)

This method consists of augering a hole and removing representative soil samples from the auger flight or bucket at 5-ft intervals or with each change in the substrata. Relatively disturbed samples are obtained and its use is therefore limited to situations where it is satisfactory to determine approximate subsurface profile.

E. Diamond Core Drilling for Site Investigation
(ASTM* Designation: D 2113)

This method consists of advancing a hole in rock or other hard strata by rotating downward a single tube or double tube core barrel equipped with a cutting bit. Diamond, tungsten carbide, or other cutting agents may be used for the bit. Wash water is used to remove the cuttings. Normally, a 3-in. outside diameter by 2-in. inside diameter coring bit is used unless otherwise noted. The rock or hard material recovered within the core barrel is examined in the field and laboratory. Cores are stored in partitioned boxes and the length of recovered material is expressed as a percentage of the actual distance penetrated.

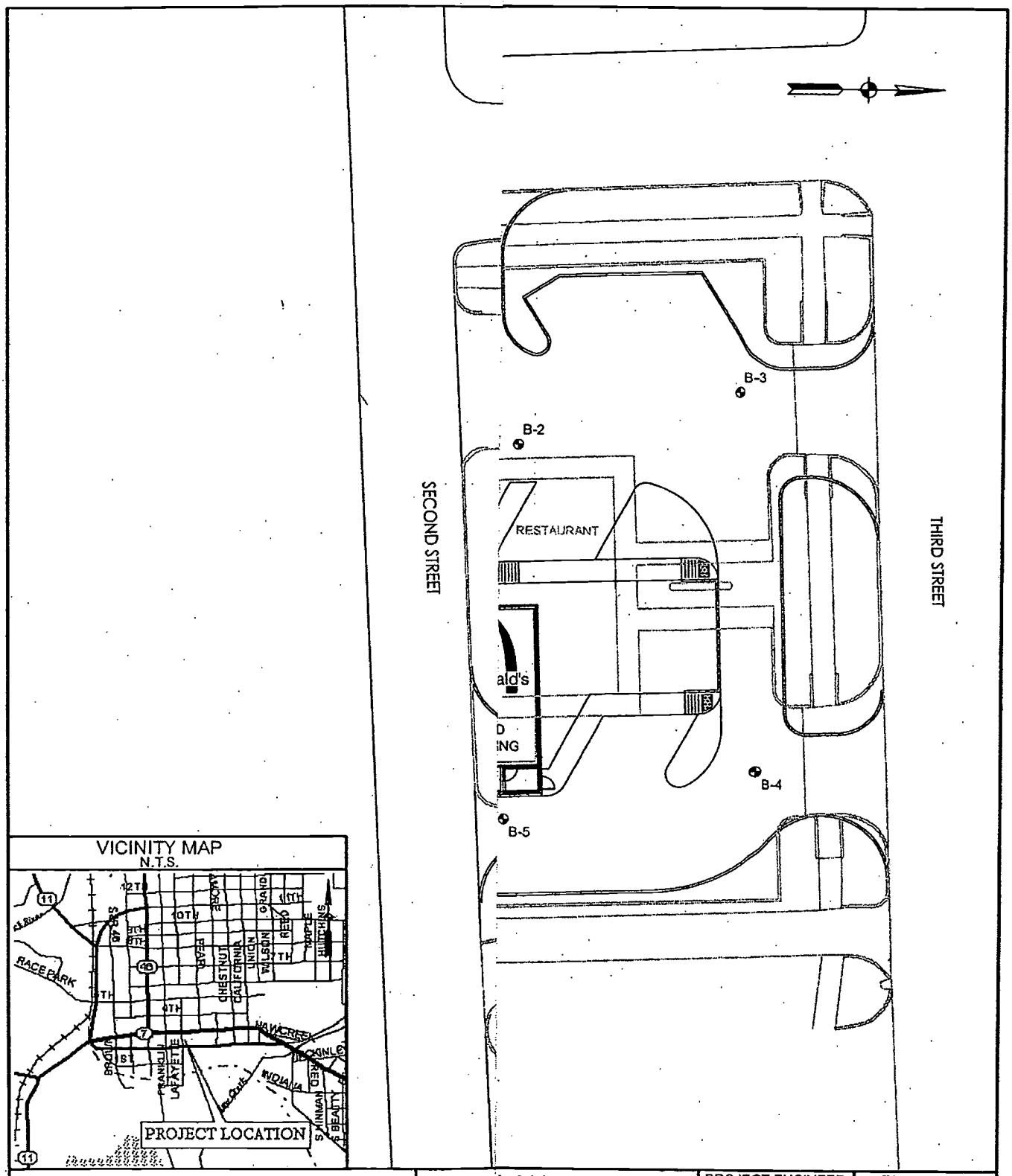
* American Society for Testing and Materials, Philadelphia, PA

APPENDIX C

TEST BORING LOCATION PLAN (Drawing No. 1-06-028.B1)

UNIFIED SOIL CLASSIFICATION SYSTEM/GENERAL NOTES

LOG OF TEST BORING (10)



VICINITY MAP
N.T.S.

LEGEND

B-1 — Test Boring Location and Designation

PLAN

1. Base m
   on Feb
2. Vicinity
3. Refer t
   the tes,
4. Boring
5. Boring
6. Existin

Inc.

PROJECT ENGINEER:	DRP
APPROVED BY:	SJL
DRAWN BY:	JBF
DATE AND TIME:	2/09/06 5:28:13
DRAWING NUMBER:	1-06-028.B1

EARTH EXPLORATION
7770 West New York Street
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317-273-1690
(FAX) 317-273-2250

UNIFIED SOIL CLASSIFICATION SYSTEM / GENERAL NOTES

FINE-GRAINED SOILS

CONSISTENCY	UNCONFINED STRENGTH (tsf)
Very Soft	<0.25
Soft	0.25 - 0.5
Medium	0.5 - 1.0
Stiff	1.0 - 2.0
Very Stiff	2.0 - 4.0
Hard	>4.0

COARSE-GRAINED SOILS

RELATIVE DENSITY	N-VALUE* (Blows/ft)
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	50+

RELATIVE PROPORTIONS

TERM	DEFINING RANGE BY % OF WEIGHT
Trace	0 - 5
Little	5 - 12
Some	12 - 35
And	35 - 50

ORGANIC CONTENT BY COMBUSTION METHOD

SOIL DESCRIPTION	LOI
Trace Organic Matter	0 - 5%
Little Organic Matter	5 - 12%
Organic Silt/Clay	12 - 35%
Sedimentary Peat	35 - 50%
Fibrous and Woody Peat	50%±

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

MAJOR DIVISIONS			SYMBOLS	DESCRIPTIONS
COARSE-GRAINED SOILS: More than 50% of material coarser than No. 200 sieve	GRAVEL AND GRAVELLY SOILS: More than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVELS: Little or no fines	GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES: Appreciable amount of fines	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS: More than 50% of coarse fraction passing No. 4 sieve	CLEAN SANDS: Little or no fines	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
			SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES: Appreciable amount of fines	SM	SILTY SANDS, SAND-SILT MIXTURES
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE-GRAINED SOILS: More than 50% of material finer than No. 200 sieve	SILTS AND CLAYS: LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SAND OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS: LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILT
			CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENT

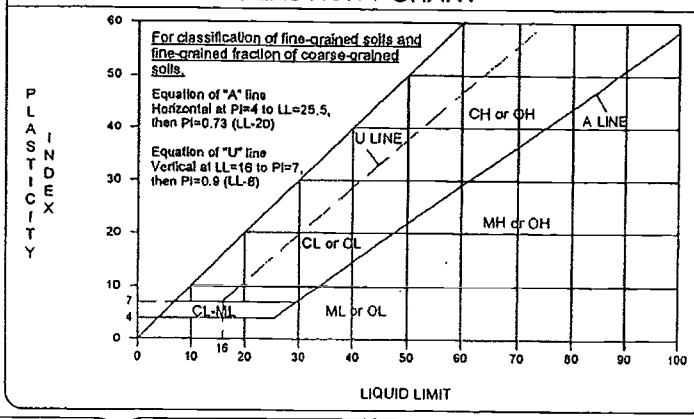
NOTE: DUAL SYMBOLS USED FOR BORDERLINE CLASSIFICATIONS

GRAIN SIZE TERMINOLOGY

SOIL FRACTION		PARTICLE SIZE	US STANDARD SIEVE SIZE
Boulders		Larger than 12-in.	Larger than 12-in.
Cobbles		3 to 12-in.	3 to 12-in.
Gravel	Coarse	3/4 to 3-in.	3/4 to 3-in.
	Fine	4.75 mm to 3/4-in.	#4 to 3/4-in.
Sand	Coarse	2.00 to 4.75 mm	#10 to #4
	Med	0.425 to 2.00 mm	#40 to #10
	Fine	0.075 to 0.425 mm	#200 to #40
Silt		0.005 to 0.075 mm	Smaller than #200
Clay		Smaller than 0.005 mm	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

PLASTICITY CHART



EXPLORATORY SAMPLING ABBREVIATIONS

AS	- Auger Sample	PID	- Photo-Ionization Detector
BF	- Backfilled Upon Completion	PMT	- Borehole Pressuremeter Test
BS	- Bag Sample	PT	- 3-In. O.D. Piston Sample
C	- Casing: Size 2½-in., NW; 4-in., HW	PTS	- Peat Sample
COA	- Clean-Out Auger	RB	- Rock Bit
CS	- Continuous Sampler	RC	- Rock Core
CW	- Clear Water	REC	- Recovery
DC	- Driven Casing	RQD	- Rock Quality Designation
DM	- Drilling Mud	RS	- Rock Sounding
FA	- Flight Auger	S	- Soil Sounding
FT	- Fish Tail	SS	- 2-In. O.D. Split-Spoon Sample
HA	- Hand Auger	ST	- Thin-Walled Tube Sample
HSA	- Hollow Stem Auger	VS	- Vane Shear Test
NW	- No Water Encountered	WPT	- Water Pressure Test

LABORATORY TEST ABBREVIATIONS

qp	- Hand Penetrometer Reading, tsf
qu	- Unconfined Compressive Strength, tsf
W	- Moisture Content, %
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index, %
SL	- Shrinkage Limit, %
LOI	- Loss on Ignition, %
ɣ	- Dry Unit Weight, pcf
pH	- Hydrogen-Ion Concentration
P_{200}	- Percent Passing a No. 200 Sieve

*The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" O.D. split-spoon sampler. The sampler is driven with a 140 lb weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.
7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-1
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					PORTLAND CEMENT CONCRETE (3 in.)							
SS-1		35	3-3-2-4		**SC-SM, CLAYEY SAND**, little to some gravel, loose, moist, brown, with crushed stone and bricks (fill)							
SS-2		65	2-2-2-3		**SC, CLAYEY SAND**, trace gravel, very loose, moist, brown							
SS-3		60	2-3-3-3	5								
SS-4		65	2-3-2-2		**SP, FINE TO MEDIUM SAND**, little to some gravel, loose to very loose, moist, brown							
SS-5		65	2-3-2-3									
SS-6		70	2-1-1-2	10								
SS-7		90	6-7-13-14		**SW, SAND**, some gravel, medium dense, moist, brown							
SS-8		75	6-7-7-8	15								
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		9	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.
7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-2
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					ASPHALTIC CONCRETE (4 in.)							
					GRANULAR SUBBASE (crushed stone)							
SS-1		75	6-5-3-2		CL, SANDY CLAY, trace gravel, medium, brown	0.75			18.7	33	15	18
SS-2		505	2-1-1-1		SM, SILTY SAND, trace gravel, very loose, moist, brown							
SS-3		75	2-3-3-3	5								
SS-4		70	3-5-7-6		SP, FINE TO MEDIUM SAND, trace gravel, loose to medium dense, moist, brown							
SS-5		75	4-5-5-7									
SS-6		80	4-5-6-7	10								
SS-7		90	9-14-14-10		SW, SAND, some gravel, medium dense, moist, brown							
SS-8		90	9-10-11-13	15								
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		7½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-3
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					ASPHALTIC CONCRETE, (4 in.)							
					GRANULAR SUBBASE, (crushed stone)							
SS-1		75	3-3-4-3		**CL, SANDY CLAY**, trace gravel, stiff, brown	1.25			20.5			
SS-2		75	2-3-3-2		**SM, SILTY SAND**, trace gravel, loose, moist, brown							
SS-3		65	1-2-2-2	5								
SS-4		75	2-3-3-3		**SP, FINE TO MEDIUM SAND**, trace gravel, very loose to loose, moist, brown							
SS-5		70	2-3-4-3									
SS-6		75	2-4-5-5	10								
SS-7		90	8-9-11-12		**SW, SAND**, some gravel, medium dense, moist, brown							
SS-8		85	7-0-9-10	15								
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		7½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.
7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-4
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					ASPHALTIC CONCRETE (5 in.)							
SS-1		75	2-2-3-4		**GRANULAR SUBBASE** (crushed stone)							
					CL, SANDY CLAY, trace gravel, stiff, brown	1.25			23.3			
SS-2		70	3-2-2-2		**SM, SILTY SAND**, little gravel, very loose, moist, brown							
SS-3		40	2-2-2-2	5								
SS-4		75	4-7-10-11		**SP, FINE TO MEDIUM SAND**, trace gravel, very loose to medium dense, moist, brown							
SS-5		80	7-8-10-10	10								
SS-6		70	6-7-8-8									
SS-7		75	4-7-8-9		**SW, SAND**, some gravel, medium dense, moist, brown							
SS-8		75	5-6-7-10	15								
					End of Boring at 16.4 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		6½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-5
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					ASPHALTIC CONCRETE (5 in.)							
					GRANULAR SUBBASE (crushed stone)							
SS-1		75	9-7-6-5		CL, SANDY CLAY, trace gravel, stiff, brown	1.5			14.8			
SS-2		70	2-3-3-4			1.5			20.5			
SS-3		90	1-2-2-1	5	SM, SILTY SAND, trace gravel, very loose, moist, brown							
SS-4		40	1-1-1-1		SP, FINE TO MEDIUM SAND, trace gravel, very loose, moist, brown							
SS-5		75	1-1-1-1	10								
SS-6		75	1-2-1-5									
SS-7		80	6-7-8-10		SW, SAND, some gravel, medium dense, moist, brown							
SS-8		85	10-14-11-9	15								
					End of Boring at 16.4 ft							

WATER LEVEL OBSERVATIONS

Depth ft	While Drilling	Upon Completion	After Drilling
To Water	NW	NW	BF
To Cave-in		8½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-6
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
				0	PORTLAND CEMENT CONCRETE, (4 in.)							
					GRANULAR SUBBASE, (crushed stone)							
SS-1		90	7-3-3-2		CL, SANDY CLAY, trace gravel, medium to very stiff, brown	0.75			17.1			
SS-2		90	3-3-4-6			2.5			19.8			
SS-3		85	2-3-2-3	5	SC, CLAYEY SAND, trace gravel, loose, moist, brown							
SS-4		50	1-1-1-1		SP, FINE TO MEDIUM SAND, trace gravel, very loose to loose, moist, brown							
SS-5		60	2-3-4-4	10								
SS-6		65	3-4-5-6		SW, SAND, some gravel, loose to medium dense, moist, brown							
SS-7		90	8-10-10-10									
SS-8		85	6-8-10-11	15								
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		10½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/30/06 End 1/30/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-7
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					PORTLAND CEMENT CONCRETE (4 in.)							
SS-1		50	3-5-3-3		CL-ML, SILTY CLAY, some sand, trace gravel, stiff, gray and brown	1.0			21.5			
SS-2		40	1-2-2-1		SP, FINE SAND, little gravel, very loose, moist, brown							
SS-3		75	8-10-15-17	5	SW, SAND, little gravel, medium dense, moist, brown							
SS-4		40	1-2-1-1		SP-SM, FINE TO MEDIUM SAND, little gravel, very loose, moist, brown							
SS-5		40	2-1-1-2									
SS-6		40	5-8-9-10	10	SW, SAND, some gravel, medium dense, moist, brown							
SS-7		75	5-8-10-13									
SS-8		75	12-13-13-12	15								
SS-9		75	5-10-12-12		SP, FINE TO MEDIUM SAND, little gravel, medium dense, moist, brown, with petroleum odor between 20 and 22'							
SS-10		75	5-9-9-12									
SS-11		75	8-10-12-12	20								
SS-12		75	13-4-8-10		CL, SANDY CLAY, little gravel, very stiff, brown and gray	2.5			16.9			
SS-13		75	5-6-6-8	25 ▽		3.0			21.0			
SS-14		75	5-7-7-8		SM, SILTY SAND, little gravel, medium dense to loose, moist to wet, brown							
SS-15		75	3-4-4-6	30								
					End of Boring at 30.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	26	NW	BF
To Cave-in		18½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/31/06 End 1/31/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-8
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					TOPSOIL							
SS-1	SS	75	1-2-2-2		**CL, SANDY CLAY**, trace gravel, stiff, brown	1.0			17.7			
SS-2	SS	75	3-2-3-2		**SC-SM, CLAYEY SAND**, trace gravel, loose, moist, brown							
SS-3	SS	75	2-3-3-3	5	**SP, FINE TO MEDIUM SAND**, little gravel, loose, moist, brown							
SS-4	SS	75	4-3-4-5		**SP, FINE TO MEDIUM SAND**, trace gravel, loose, moist, brown							
SS-5	SS	75	5-6-8-9		**SP, FINE TO MEDIUM SAND**, little gravel, medium dense, moist, brown							
SS-6	SS	75	7-8-10-13	10	**SW, SAND**, some gravel, medium dense, moist, brown							
SS-7	SS	75	6-6-8-8									
SS-8	SS	75	4-4-4-5	15	**SP, FINE TO MEDIUM SAND**, little gravel, loose to medium dense, moist, brown							
SS-9	SS	75	6-7-9-10									
SS-10	SS	75	6-8-9-9	20	**SP, FINE TO MEDIUM SAND**, trace gravel, medium dense, moist, brown							
SS-11	SS	75	6-8-8-9									
SS-12	SS	75	11-9-11-11		**CL, SANDY CLAY**, trace gravel, very stiff to stiff, brown and gray	2.25			20.3			
SS-13	SS	75	4-5-5-6	25		0.75			23.1			
SS-14	SS	75	4-4-5-6		**SC, CLAYEY SAND**, trace gravel, loose, moist, brown							
SS-15	SS	75	6-7-6-6	30	**ML, SANDY SILT**, trace gravel, medium dense, moist, brown							
					End of Boring at 30.5 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	28	NW	BF
To Cave-in		11½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/31/06 End 1/31/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings and bentonite chip plug near surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.

7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-9
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
					PORTLAND CEMENT CONCRETE (3 in.)							
SS-1		75	2-3-3-3		**SC, CLAYEY SAND**, trace gravel, loose, moist, brown							
SS-2		75	3-3-3-4									
SS-3		75	3-3-4-4	5	**SP, FINE TO MEDIUM SAND**, little gravel, loose, moist, brown, SS-3: P-200 = 10.3%							
SS-4		75	3-5-4-5									
SS-5		75	3-5-6-6	10								
SS-6		75	6-7-8-8		**SW, SAND**, some gravel, medium dense, moist, brown							
SS-7		75	6-7-7-8									
SS-8		75	7-8-8-9	15	**SP, FINE TO MEDIUM SAND**, little gravel, medium dense, moist, brown							
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	▽ While Drilling	▼ Upon Completion	▽ After Drilling
To Water	NW	NW	BF
To Cave-in		11½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/31/06 End 1/31/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings, bentonite chips and concrete patch at surface.

EARTH EXPLORATION, Inc.

LOG OF TEST BORING

Project: Proposed McDonald's Restaurant
Location: Columbus, Indiana
Client: Astbury Environmental Engineering, Inc.
7770 West New York Street - Indianapolis, Indiana 46214
317-273-1690 / 317-273-2250 (Fax)

Boring No. SB-10
Elevation ---
Datum ---
EEI Proj. No. 1-06-028
Sheet 1 of 1

Proj. No.	---	Station	---	Weather	Cloudy	Driller	B.J.
Struct. No.	---	Offset	---	Temp.	30° F	Inspector	---

SAMPLE No.	Type	Rec %	Blow Counts	Depth ft	DESCRIPTION/CLASSIFICATION and REMARKS	q_p tsf	q_u tsf	γ_d pcf	W %	LL %	PL %	PI %
				0	GRAVEL, (fill)							
SS-1		40	1-1-2-2		**SP-SM, FINE SAND**, some gravel, very loose, moist, brown, (fill)							
SS-2		40	2-1-1-2		**SP, FINE SAND**, trace gravel, very loose, moist, brown, (fill)							
SS-3		40	2-1-2-3	5	**SP-SM, FINE TO MEDIUM SAND**, little gravel, very loose, moist, brown, (fill), with silty clay seam between 5 and 6'	0.5			14.7			
SS-4		40	2-1-1-1									
SS-5		40	2-1-1-2									
SS-6		40	2-3-3-4	10	**SP, FINE TO MEDIUM SAND**, little gravel, loose, moist, brown							
SS-7		75	10-12-12-12		**SW, SAND**, some gravel, medium dense, moist, brown							
SS-8		75	10-13-14-14	15								
					End of Boring at 16.3 ft							

WATER LEVEL OBSERVATIONS

Depth ft	While Drilling	Upon Completion	After Drilling
To Water	NW	NW	BF
To Cave-in		11½	

The stratification lines represent the approximate boundary between soil/rock types and the transition may be gradual.

GENERAL NOTES

Start 1/31/06 End 1/31/06 Rig CME 75
Drilling Method 3¼" I.D. HSA Truck
Remarks: Backfilled with auger cuttings and bentonite chip plug near surface.

APPENDIX D

GENERAL SPECIFICATION NO. 1

GENERAL SPECIFICATION NO. 1
Recommended Compacted Fill Specifications

Fill Materials

The materials used for fill shall contain no vegetation, ash, wood, frozen material, organic soils, or any material which by decay or otherwise might cause settlement. Materials to be placed within 10 ft of building areas shall be free from rock, stone or broken concrete larger than 4 in. in the largest dimension. Outside building and parking areas, pieces of concrete and large rocks or boulders, not exceeding 2 sq. ft for any area of surface, may be placed in fills without being broken up provided they are not placed within 2 ft of the final fill surface and they are well embedded and the interstices filled with smaller material as approved by the Engineer.

Placement Method

The approved fill material shall be deposited, spread and leveled in layers generally not exceeding 8 in. in thickness before compaction. For granular fill, moisture shall be added or the material shall be dried as required to permit proper compaction. For cohesive fill, or granular fill with a significant percentage of cohesive fines, the moisture content at compaction shall be within 3 percent of optimum moisture content. Cohesive fill material should also be adequately broken down by suitable equipment such as discs or plows as approved by the engineer.

It is the responsibility of the Contractor to provide all necessary compaction equipment and other grading equipment that may be required to obtain the specified compaction. Compaction by travel of grading equipment will not be considered adequate for uniform compaction. Hand guided vibratory or tamping compactors will be required whenever fill is placed adjacent to walls, footings, columns or in confined areas.

Compaction Specifications

Maximum dry density of the fill soil shall be determined in accordance with ASTM* Test Designation D 1557. The recommended minimum field compaction as a percentage of the maximum dry density is indicated in the report.

Testing Procedures

Fifty (50) pound representative samples of proposed fill materials shall be submitted to an independent laboratory for particle size analysis/Atterberg limits testing and optimum moisture/maximum density determinations prior to the start of any filling operations.

Field density tests for determining the compaction of the fill shall be performed by a qualified testing laboratory in accordance with standard recognized procedures for making such tests. These tests shall be made on each lift at the outset and required by the Geotechnical Engineer for the balance of the job.

* American Society for Testing and Materials, Philadelphia, PA

APPENDIX D

Soil and Groundwater Laboratory Certificate of Analysis/
Chain-of-Custody Form

- CERTIFICATE OF ANALYSIS -

Report Date: *03-Feb-06*

Client ID: ASTBURY_ENV2

Astbury Environmental Eng.
5645 West 79th Street
Indianapolis, Indiana 46278
Attn: Fred Nichols

Phone: 317-472-0999
FAX: 317-472-0993

Our Lab #	06001121-001	**Your Sample ID:**	B-7 @ 10-12
Your Project #	150.06-006N	**Collection Date:**	01/31/06 09:11
Your Project Name:	**Bushman Realty-Columbus**	**Collected By:**	Client
Sample Type:	Soil	**Receipt Date:**	02/01/06 09:55

Total Solids @ 105°C

Analytical Method	Prep Method	Prep Date	By
EPA 160.3			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Total Solids @ 105°C	94.8	%		0.50		2/2/06	bheller

TPH Diesel Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Diesel Range Organics	< 11	mg/kg DryWt		11		2/1/06	mglasheen

TPH Gasoline Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Gas Range Organics	< 11	mg/kg DryWt		11		2/1/06	mglasheen

ESG Laboratories
5927 WEST 71ST STREET
INDIANAPOLIS, INDIANA 46278
A Member of THE ASTBURY GROUP

PHONE (317) 290-1471
FAX (317) 290-1670

Our Lab #	06001121-002	**Your Sample ID:**	B-7 Water
Your Project #	150.06-006N	**Collection Date:**	01/31/06 10:15
Your Project Name:	**Bushman Realty-Columbus**	**Collected By:**	Client
Sample Type:	Water	**Receipt Date:**	02/01/06 09:55

MBTEX, GC/PID

Analytical Method	Prep Method	Prep Date	By
SW846 8021B			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Methyl-tert-butyl ether	< 5.0	ug/L	PQL	5.0	1634-04-4	2/2/06	swaldron
Benzene	< 5.0	ug/L	PQL	5.0	71-43-2	2/2/06	swaldron
Toluene	< 5.0	ug/L	PQL	5.0	108-88-3	2/2/06	swaldron
Ethylbenzene	< 5.0	ug/L	PQL	5.0	100-41-4	2/2/06	swaldron
Xylene, Total	< 5.0	ug/L	PQL	5.0	1330-20-7	2/2/06	swaldron
4-Bromofluorobenzene (Surr)	102	%			460-00-4	2/2/06	swaldron

Our Lab #	06001121-003	**Your Sample ID:**	B-8 @ 8-10
Your Project #	150.06-006N	**Collection Date:**	01/31/06 11:01
Your Project Name:	**Bushman Realty-Columbus**	**Collected By:**	Client
Sample Type:	Soil	**Receipt Date:**	02/01/06 09:55

Total Solids @ 105°C

Analytical Method	Prep Method	Prep Date	By
EPA 160.3			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Total Solids @ 105°C	96.3	%		0.50		2/2/06	bheller

TPH Diesel Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Diesel Range Organics	< 10	mg/kg DryWt		10		2/1/06	mglasheen

TPH Gasoline Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Gas Range Organics	< 10	mg/kg DryWt		10		2/1/06	mglasheen

ESG Laboratories
5927 WEST 71ST STREET
INDIANAPOLIS, INDIANA 46278
A Member of THE ASTBURY GROUP
PHONE (317) 290-1471
FAX (317) 290-1670

Our Lab #	06001121-004	**Your Sample ID:**	B-9 @ 6-8
Your Project #	150.06-006N	**Collection Date:**	01/31/06 12:36
Your Project Name:	**Bushman Realty-Columbus**	**Collected By:**	Client
Sample Type:	Soil	**Receipt Date:**	02/01/06 09:55

Total Solids @ 105°C

Analytical Method	Prep Method	Prep Date	By
EPA 160.3			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Total Solids @ 105°C	96.1	%		0.50		2/2/06	bheller

TPH Diesel Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Diesel Range Organics	< 10	mg/kg DryWt		10		2/1/06	mglasheen

TPH Gasoline Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Gas Range Organics	< 10	mg/kg DryWt		10		2/1/06	mglasheen

ESG Laboratories
5927 WEST 71ST STREET
INDIANAPOLIS, INDIANA 46278
A Member of THE ASTBURY GROUP

PHONE (317) 290-1471
FAX (317) 290-1670

Our Lab #	06001121-005	**Your Sample ID:**	B-10 @ 6-8
Your Project #	150.06-006N	**Collection Date:**	01/31/06 13:25
Your Project Name:	**Bushman Realty-Columbus**	**Collected By:**	Client
Sample Type:	Soil	**Receipt Date:**	02/01/06 09:55

Total Solids @ 105°C

Analytical Method	Prep Method	Prep Date	By
EPA 160.3			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
Total Solids @ 105°C	84.2	%		0.50		2/2/06	bheller

TPH Diesel Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Diesel Range Organics	< 12	mg/kg DryWt		12		2/1/06	mglasheen

TPH Gasoline Range Organics, GC/FID

Analytical Method	Prep Method	Prep Date	By
SW846 8015M			

Parameter	Result	Units	Qual	Quant. Limit	CAS #	Analysis Date	By
TPH Gas Range Organics	< 12	mg/kg DryWt		12		2/1/06	mglasheen

Data Qualifiers:

Qualifier	Description
PQL	Value is between MDL & practical quantitation limit

2/3/06

Lab Manager **Date**

ESG Laboratories
5927 WEST 71ST STREET
INDIANAPOLIS, INDIANA 46278
A Member of THE ASTBURY GROUP

PHONE (317) 290-1471
FAX (317) 290-1670

AEE Astbury Environmental Engineering Inc.

A Member of the Astbury Group

Address: 5645 West 79th Street, Indianapolis, Indiana 46278
Phone: (317) 472-0999, Fax: (317) 472-0993

CHAIN OF CUSTODY RECORD

PM - F. Nichols #06001121

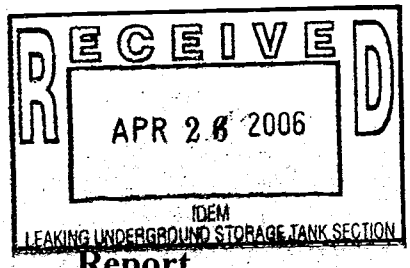
Project No. 150106-006N | Project Name: Bushman Realty - Columbus

Samplers *(Signature)*

Sta. No.	Date	Time	Comp	Grab	Station Location	No. of Containers	TPH	MBTEX	Remarks
1	1-3-06	911		X	B-7 (10-12)	1	X		
2	1-3-06	1015		X	B-7 (Water)	2		X	
3		1101		X	B-8 (8-10)	1	X		
4		1236		X	B-9 (6-8)	1	X		
5		1325		X	B-10 (6-8)	1	X		
									Trip 3° water

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
	1-6-06 8:30				
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
	2-1-06 0955				
Relinquished by: *(Signature)*	Date / Time	Received for laboratory by: *(Signature)*	Remarks:		
		2/1/06 9:55			

13761



Report

Further Site Investigation

Former National Ice Co.
FID 13761

April 2006

STRAND ASSOCIATES, INC.®
ENGINEERS

STRAND
ASSOCIATES, INC.
ENGINEERS

629 Washington Street
Columbus, IN 47201
Phone: 812-372-9911
Fax: 812-372-7190

Office Locations

Madison, WI
Joliet, IL
Louisville, KY
Lexington, KY
Mobile, AL
Columbus, IN
Lancaster, OH
Indianapolis, IN
Milwaukee, WI
Cincinnati, OH

www.strand.com

April 24, 2006

Ms. Shawn Miya, CHMM
IDEM
Office of Land Quality
Leaking Underground Storage Tank Section
100 N. Senate Ave., Room 1101
Indianapolis, IN 46204-2251

Re: Further Site Investigation
FID 13761
Former National Ice Co.

Dear Shawn:

Per your request, please find two copies of the enclosed FSI report on behalf of Mr. Bill Weaver. Please contact me following your review of the report to discuss potential closure options for the site. I can be reached at (812) 372-9911 or by email at bruce.rape@strand.com. Thank you for your time.

Sincerely,

STRAND ASSOCIATES, INC.

Bruce A. Rape

c: Mr. Bill Weaver

BAR:ac:\S-4-220.001 Cover Letter.doc

Report for

Former National Ice Co.
Columbus, Indiana

Further Site Investigation

STRAND ASSOCIATES, INC.®
629 Washington St.
Columbus, IN 47201
(812) 372-9911
Project No. 4-229.001
strand.com

April 2006

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ASSOCIATES, INC.®
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TABLE OF CONTENTS

FURTHER SITE INVESTIGATION
FORMER NATIONAL ICE COMPANY
542 THIRD STREET
COLUMBUS, INDIANA 47201

1.0 BACKGROUND AND PURPOSE

At the request of IDEM, Strand performed Further Site Investigation on the Former National Ice Co. facility located at 542 Third Street in Columbus, Indiana (Figure 3.1). This site was historically the location of an ice production and distributing company. One gasoline underground storage tank (UST) was present on the property that was registered with IDEM. The IDEM facility ID number for the site is 13761 and the owner ID is 931. Limited Phase 2 Site Investigation previously identified diesel range petroleum contamination in soil of the site; however, the complete vertical and lateral extent of contamination was not determined.

The purpose of this Further Site Investigation was to define the vertical extent of soil contamination on site and lateral extent of soil and groundwater contamination to the east, south and west. Sampling was conducted on adjacent properties since previous borings on site were completed near the property boundaries.

2.0 SAMPLING AND ANALYSIS PROCEDURES

On October 14, 2005 Strand personnel conducted sampling activities at the site. Soil and groundwater sampling was completed using direct push probing equipment operated by Midway Services, Inc. personnel. Mr. Bruce Rape of Strand supervised soil boring and sampling activities, and classified samples obtained.

Soil samples were collected in an identical manner to those collected during the Limited Phase 2 Site Investigation, using a four-foot stainless steel macro core sampler fitted with a disposable acetate sample liner. The tube was driven continuously from the surface to boring termination depth, collecting soil in four feet intervals. Soil samples were split in the field. A portion of each sample was placed in a plastic, zipper bag and placed in a staging area for volatilization, while the remainder was placed in a 4-oz glass container and immediately placed on ice. After allowing the samples in zipper bags to volatilize, the samples were screened using an HNu Photoionization Detector. Each sample was also inspected for color, grain size, staining, and odor. These and other significant observations, including method of sample collection, sample depth, and total depth of each boring were noted on soil boring log forms. Boring logs are contained in Appendix A.

Groundwater samples were collected using a four-foot SP-15 groundwater screen positioned at the depth indicated in the soil boring logs. Groundwater samples were obtained through new polyethylene tubing connected to a peristaltic pump to transfer the sample to the surface.

To avoid possible cross contamination of samples, all reused sampling equipment was decontaminated with a phosphate-free detergent wash and tap water rinse prior to and following the collection of each sample. Acetate liners were discarded after collection of each sample. Disposable latex gloves were worn during the collection of samples and were changed between

each sample. Proper chain of custody records were initiated during the sampling event, and are contained in Appendix B.

Soil samples were analyzed for total petroleum hydrocarbons (TPH) by method SW846-8015 modified. Groundwater samples for MBTEX analysis (MTBE, benzene, toluene, ethylbenzene and total xylenes) were completed by method 8260, while samples for the polynuclear aromatic hydrocarbon COCs (PAHs) were analyzed by SW846 8270.

3.0 SAMPLING ACTIVITIES AND RESULTS

The extent of petroleum impact was investigated through completion of six additional soil borings (SB-7 through SB-12). All borings were attempted to depths of 30 feet below ground surface. Boring SB-9 was completed to a depth of 29 feet, while SB-10, SB-11, and SB-12 were completed to 27 feet due to sampler refusal. At these depths, a very stiff clay till was encountered. Borings SB-7 and SB-8 were completed to approximately 30 feet. The location of off site borings completed for the FSI are shown in Figure 3.2. Borings completed on the National Ice site are shown in Figure 3.3, along with previous boring locations. Sample concentrations are also represented on the plans.

Laboratory results of soil and groundwater samples are summarized in Table 3.1. Laboratory reports and chain of custody are contained in Appendix B. The soil boring logs are contained in Appendix A.

During sampling, groundwater was encountered in each boring at depths ranging from 20 to 23 feet below the ground surface.

Petroleum odor and staining indicative of diesel fuel or #2 fuel oil was observed in soil samples from on site borings SB-10 through SB-12 at depths below the groundwater interface, from approximately 22 to 24 feet, as previously encountered in borings SB-5, SB-2 and SB-4. Samples from this contaminated zone were containerized and retained for future fractionation, if desired by IDEM. Soil samples from near the bottom of each on site boring, from 25 to 26 feet were also collected for TPH analysis. Soil in each boring at approximately 24 feet was observed as very stiff clay to glacial till. This stratigraphic unit acts as a barrier for downward migration of contaminants and also restricts downward water migration. No odors, staining or PID readings were obtained in soil below 24 feet from on site borings. No TPH was detected in samples SB-10B, SB-11B or SB-12B.

A soil sample from off site borings SB-7, SB-8, and SB-9 was collected from near the groundwater interface at depths of 21 to 24 feet (labeled sample 'A' from each boring as indicated in Table 3.1. Soil samples from the bottom of each boring (sample 'B') were also collected. All soil samples were analyzed for TPH. Groundwater samples from each boring were collected from the depths indicated in Table 3.2. These samples were analyzed for TPH along with MBTEX and PAHs.

No TPH was detected in soil from any of the off site boring locations. No BTEX or PAHs were detected in any of the groundwater samples collected. TPH was not detected in borings SB-8 and SB-9. TPH as diesel was detected at 4.7 ppm in groundwater from boring SB-7.

The hydraulic gradient for the site is to the south or southwest, based on published information and observations by Strand on previous investigations in the area.

Table 3.1
Summary of Soil Analytical Results (ppm)

Sample	Depth (ft)	TPH (Oil)	DL	TPH (Diesel)	DL	TPH (Oil)	DL
SB-7A	23-24	ND	20	ND	20	ND	20
SB-7B	29-30	ND	20	ND	20	ND	20
SB-8A	23-24	ND	20	ND	20	ND	20
SB-8B	29-30	ND	20	ND	20	ND	20
SB-9A	20-21	ND	20	ND	20	ND	20
SB-9B	28-29	ND	20	ND	20	ND	20
SB-10B	25-26	ND	20	ND	20	ND	20
SB-11B	25-26	ND	20	ND	20	ND	20
SB-12B	25-26	ND	20	ND	20	ND	20
Dup	28-29	ND	20	ND	20	ND	20

Table 3.2
Summary of Groundwater Analytical Results (ppb, except TPH in ppm)

Sample	SB-7GW	SB-8GW	SB-9GW	Dup GW	Trip Blank
Depth (ft)	26-30	26-30	25-29	25-29	
TPH (Diesel ppm)	**4.7**	**ND**	**ND**	**ND**	
Detection Limit	1.0	1.0	0.20	0.20	
TPH (Gas ppm)	**ND**	**ND**	**ND**	**ND**	
Detection Limit	1.0	1.0	0.25	0.25	
TPH (Oil ppm)	**ND**	**ND**	**ND**	**ND**	
Detection Limit	1.0	1.0	0.30	0.30	
Benzene	**ND**	**ND**	**ND**	**ND**	**ND**
Detection Limit	5	5	5	5	5
Toluene	**ND**	**ND**	**ND**	**ND**	**ND**
Detection Limit	5	5	5	5	5
Ethylbenzene	**ND**	**ND**	**ND**	**ND**	**ND**
Detection Limit	5	5	5	5	5
Total Xylenes	**ND**	**ND**	**ND**	**ND**	**ND**
Detection Limit	5	5	5	5	5
MTBE	**ND**	**ND**	**ND**	**ND**	**ND**
Detection Limit	5	5	5	5	5
benzo(a) anthracene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.26	0.13	0.26	0.26	
benzo(a)pyrene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.40	0.20	0.40	0.40	
benzo(b)fluoranthene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.52	0.26	0.52	0.52	
benzo(k)fluoranthene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.88	0.44	0.88	0.88	
chrysene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.24	0.12	0.24	0.24	
Dibenz(a)anthracene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	1.2	0.60	1.2	1.2	
indeno(1,2,3-cd)pyrene	**ND**	**ND**	**ND**	**ND**	
Detection Limit	0.96	0.48	0.96	0.96	

RBCC 10CC
5 52
1,000 20K
700 10K
10K 20K
40 720
1.2 3.9
0.2 0.39
1.2 3.9*
12*0 39.0*
120* 390*
0.12 0.39
1.2* 3.9*

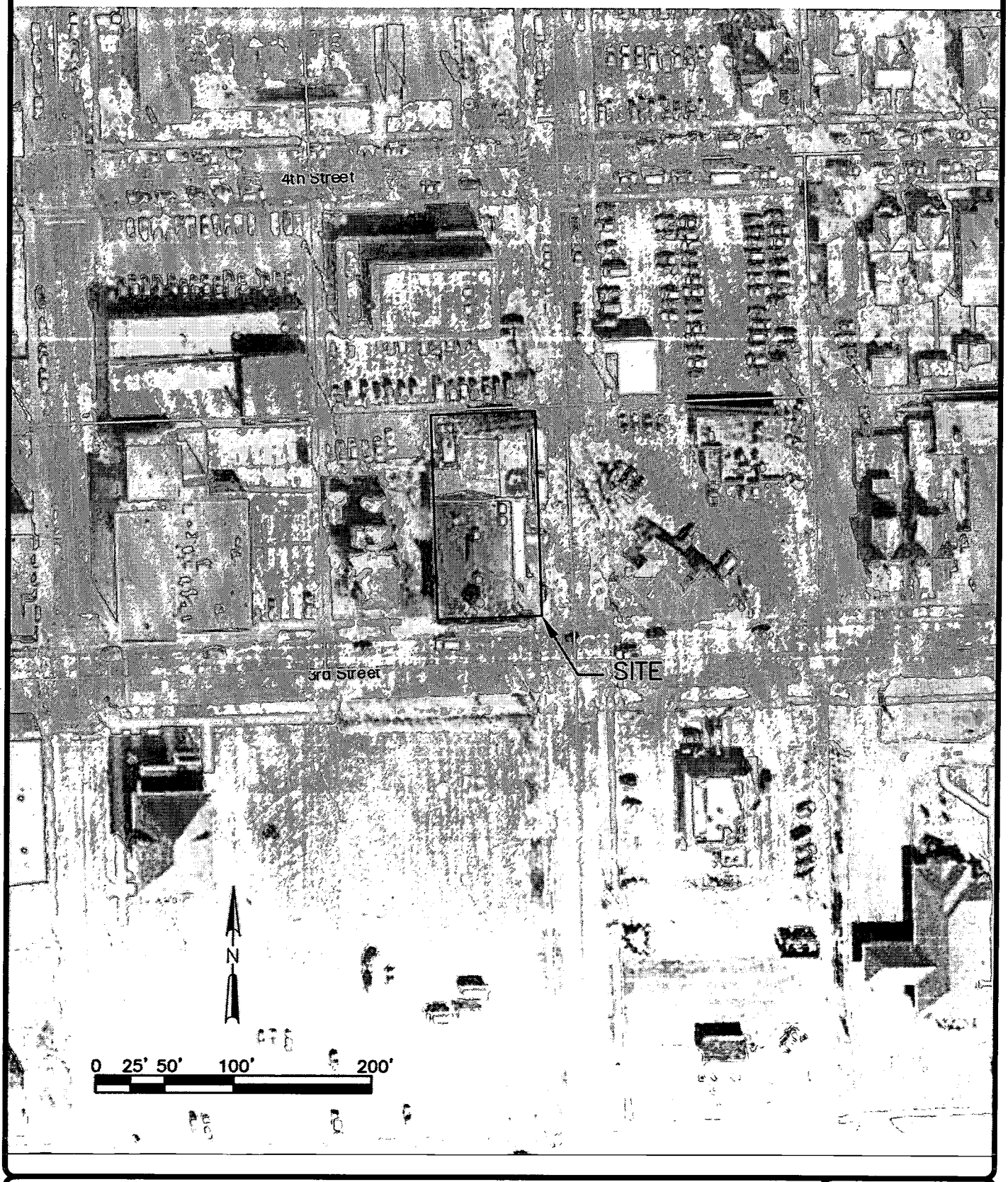
4.0 CONCLUSIONS

Based on laboratory results and visual observations during sampling, petroleum soil contamination has been defined vertically and laterally. Contamination was identified between approximately 21.5 and 24 feet in on site borings SB-1, SB-2, SB-3, SB-4, SB-5, SB-10, SB-11, and SB-12. Soil samples from 25 to 26 feet in SB-10, SB-11, and SB-12 were non detect for TPH. Soil samples from off site borings SB-7, SB-8, and SB-9, from the groundwater interface and from the bottom of each boring, were also non detect for TPH. No diesel or No.2 Fuel Oil COCs were detected in soil samples from the zone of contamination in on site borings.

The vertical extent of soil impact is represented in Figure 3.4.

No on site or off site groundwater samples were found to contain detectable MBTEX or PAHs. TPH as diesel was detected at 4.7 ppm in SB-7GW. This location is south of the site, across Third Street. This is possibly a result of migration from the site.

The depth, narrow stratigraphic zone of contamination, lack of detected chemicals of concern, and commercial use of the area render remediation of petroleum impact an expensive endeavor with very little benefit. Since no COC's were detected, the site may be eligible for closure under RISC guidelines. This may require deed restriction for future use of the site. Once IDEM has reviewed the results of the investigation, a determination can be made regarding closure of the incident.



SITE LOCATION PLAN
FORMER NATIONAL ICE CO.
542 THIRD STREET
COLUMBUS, INDIANA 47201

STRAND ASSOCIATES, INC.®
ENGINEERS

4-229.001
FIGURE NO. 3.1

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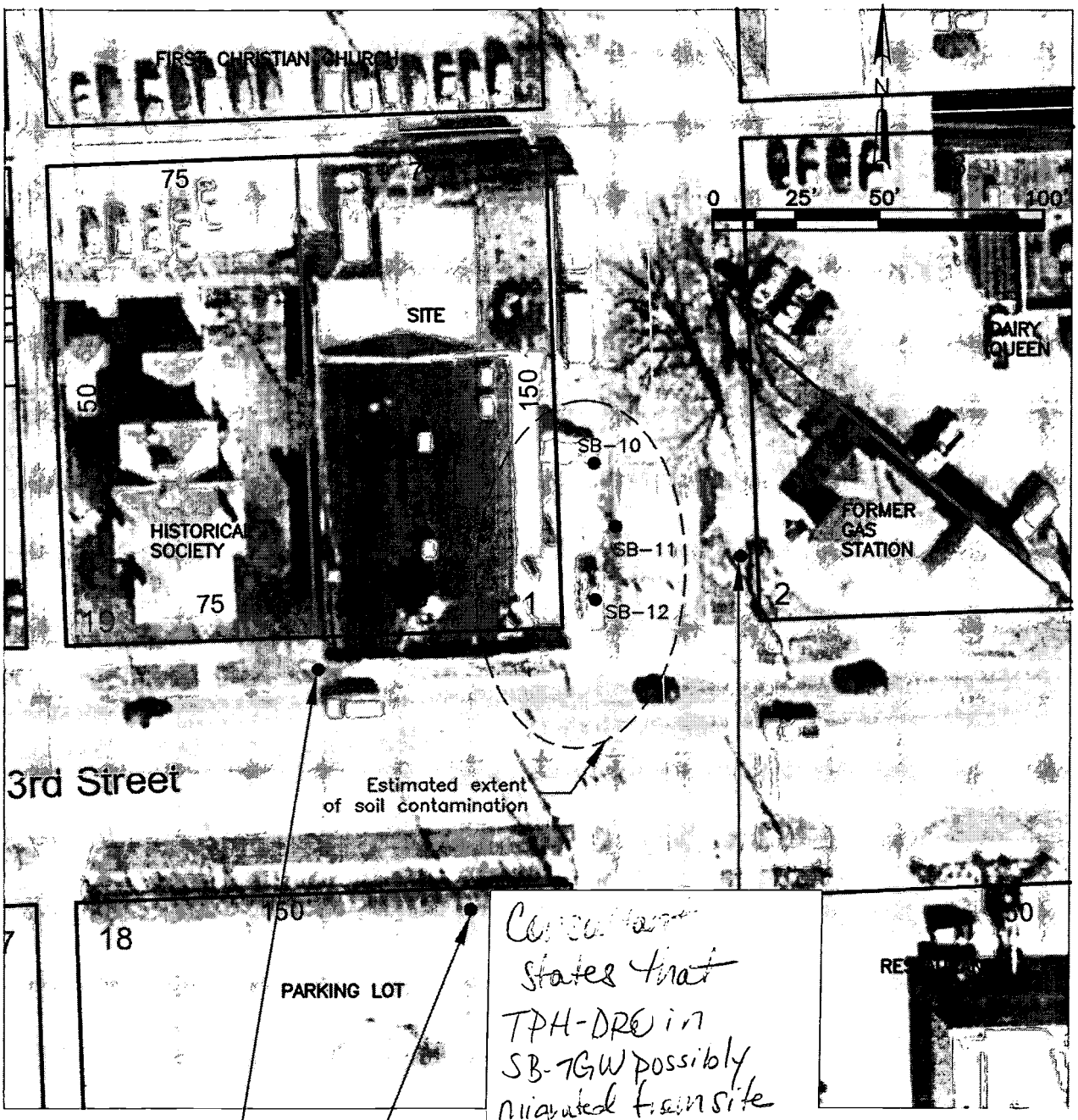

SB-8A (23–24') TPH – ND **SB-8B** TPH – ND **SB-8GW** (26–30') TPH – ND MBTEX – ND PAH – ND	**SB-7A** (23–24') TPH – ND **SB-7B** (29–30') TPH – ND **SB-7GW** (26–30') TPH (DIESEL) – 4.7ppm MBTEX – ND PAH – ND	**SB-9A** (20–21') TPH – ND **SB-9B** (28–29') TPH – ND **SB-9GW** (25–29') TPH – ND MBTEX – ND PAH – ND

OFF SITE S Default Res.
FORME TPH-DRO
5 Closure Level =
COLUI 1100 ppb

STRAND ASSOCIATES, INC.® ENGINEERS

4-229.001
FIGURE NO. 3.2

File: S:\@SIECO\201--250\229\001\Acad\FIG-3.2.DWG Time: Apr 24, 2006 - 3:22pm

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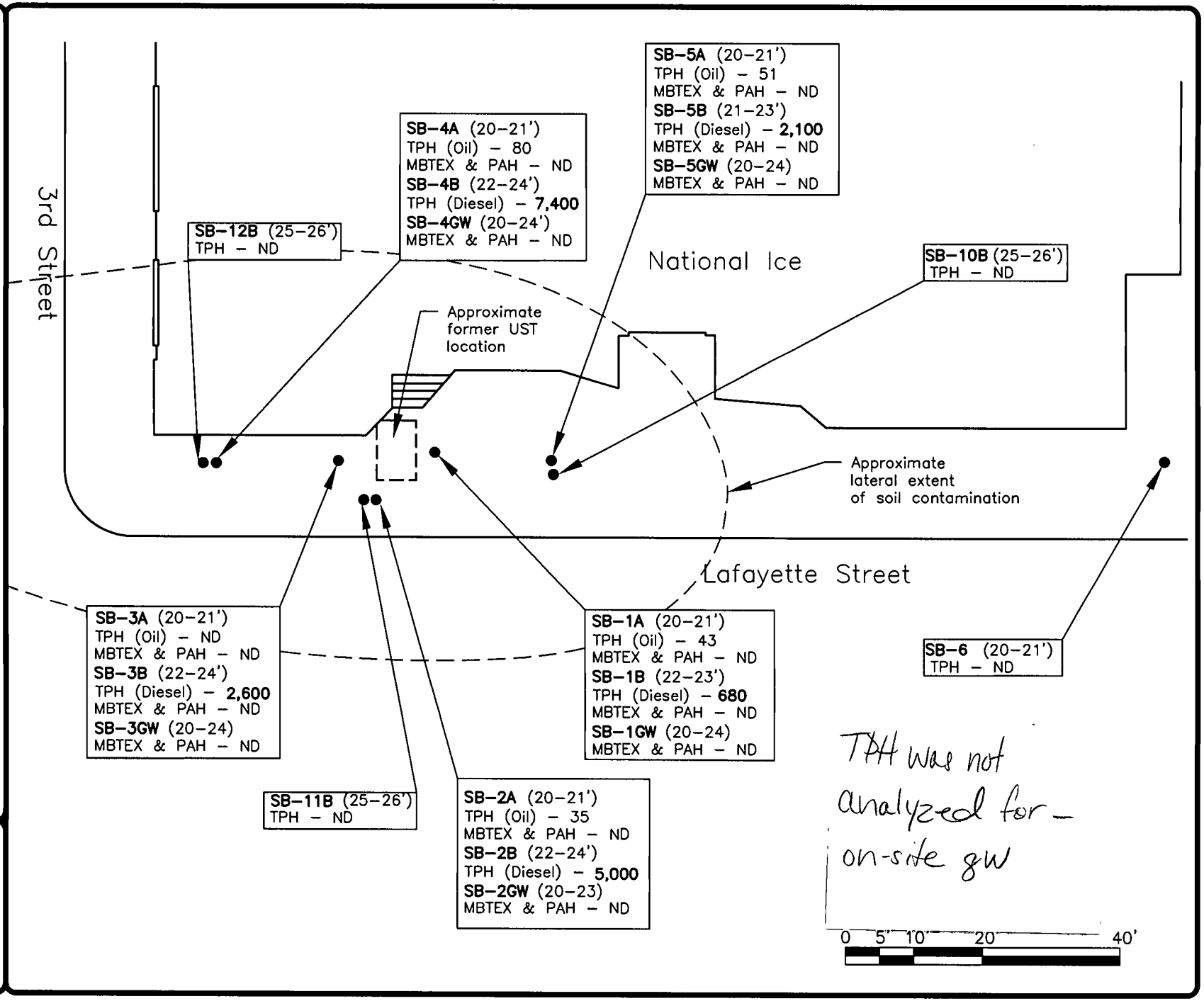


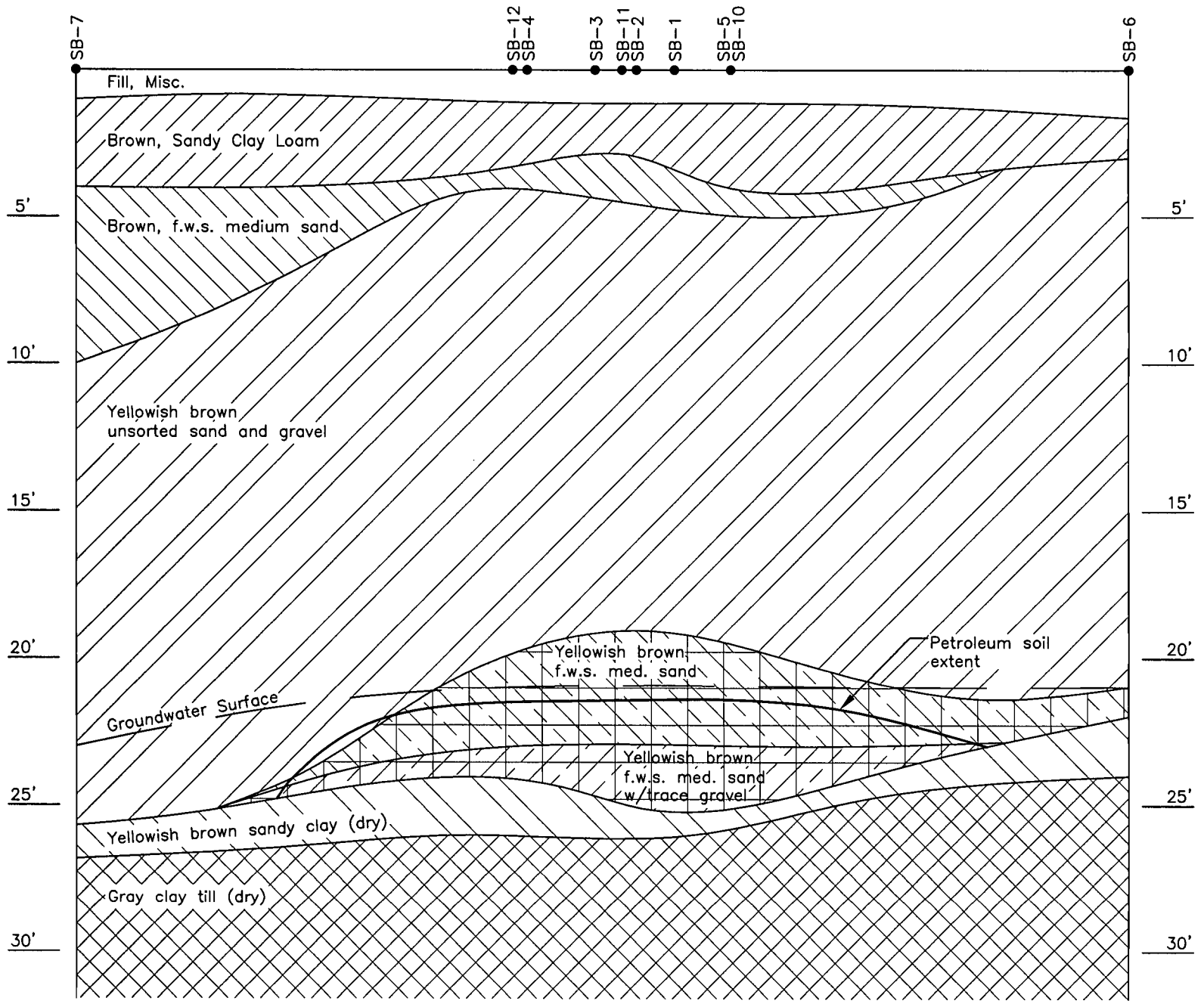
SITE SAMPLE LOCATION PLAN
FORMER NATIONAL ICE CO.
542 THIRD STREET
COLUMBUS, INDIANA 47201

STRAND ASSOCIATES, INC.® ENGINEERS

4.229.001
FIGURE NO. 3.3

File: S:\@SIECO\201--250\229\001\Acad\FIG-3.4.DWG Time: Apr 24, 2006 - 4:28pm

GEOLOGIC CROSS SECTION
FORMER NATIONAL ICE CO.
542 THIRD STREET
COLUMBUS, INDIANA 47201



STRAND ASSOCIATES, INC.® ENGINEERS

4-229.001
FIGURE NO. 3.4

APPENDIX A
SOIL BORING LOGS

Strand Associates, Inc.®

629 Washington Street
Columbus, IN 47201

Boring Log

Boring No.

SB-7

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 50

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-7					
	90%	0		0-1	asphalt (3"), limestone gravel base
		0		1-2	brown sand loam w/trace gravel
		0		2-4	brown clayey sand loam
	60%	0		4-5.5	brown fairly well sorted medium sand
		0		5.5-8	brown fairly well sorted medium sand w/gravel
	75%	0		8-9	brown fairly well sorted medium sand w/trace gravel
		0		9-9.5	brown clayey medium sand w/trace gravel
		0		9.5-12	yellowish brown unsorted sand and gravel
	70%	0		12-16	yellowish brown unsorted sand and gravel
		0		16-20	yellowish brown unsorted sand and gravel
	75%	0		20-23	yellowish brown unsorted sand and gravel
					groundwater at 23 feet
SB-7A		0	10:15	23-24	unsorted sand w/medium gravel
					SB-7A from 23-24 feet
	70%	0		24-25.5	unsorted sand w/medium and large gravel
		0		25.5-28	very firm yellowish brown clay till w/small gravel (no groundwater)
	75%	0		28-28.5	very firm yellowish brown clay till w/small gravel (no groundwater)
SB-7B		0	10:30	28.5-30	firm clay till w/20% unsorted sand and small gravel (no water)
					SB-7B from 29-30 feet
					Bottom of Boring - 30 feet
SB-7GW			11:25		SP-15 sampler set from 26-30 feet. Very little water available
					No sheen or odor on water

Strand Associates, Inc.®
629 Washington Street
Columbus, IN 47201

Boring Log

Boring No.
SB-8

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 55°

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-8					
	60%	0		0-1	brown sand loam
		0		1-4	brown clayey sand loam
	60%	0		4-5.5	brown clayey sand loam
		0		5.5-8	yellowish brown unsorted sand and gravel
	75%	0		8-10.5	yellowish brown unsorted sand and gravel
		0		10.5-11.5	brown fairly well sorted medium sand w/trace small gravel
		0		11.5-12	yellowish brown unsorted sand and gravel
	70%	0		12-16	yellowish brown unsorted sand and gravel
	80%	0		16-20	yellowish brown unsorted sand and gravel
	75%	0		20-21	yellowish brown unsorted sand and gravel grading to med. fws sand
					groundwater at 21 feet
		0		21-23	yellowish brown fws medium-fine sand (wet)
SB-8A		0	12:00	23-24	light grayish brown unsorted sand w/trace small gravel (wet)
					SB-8A from 23-24 feet
	75%	0		24-24.5	light grayish brown unsorted sand w/trace small gravel (wet)
		0		24.5-26	very firm yellowish brown and grayish brown clay till w/small gravel
					(no groundwater)
	75%	0		26-28	very firm grayish brown clay till w/small gravel (no groundwater)
	70%	0		28-28.5	very firm grayish brown clay till w/small gravel (no groundwater)
		0		28.5-29.5	yellowish brown clay w/sand (moist)
SB-8B		0	12:10	29.5-30	unsorted yellowish brown sand, gravel and clay (wet)
					SB-8B from 29-30 feet
					Bottom of Boring - 30 feet
SB-8GW			12:50		SP-15 sampler set from 26-30 feet. Very little water available
					No sheen or odor on water
					groundwater MS + MSD collected

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Columbus, IN 47201

Boring Log

Boring No.
SB-9

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 55°

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-9					
	70%	0		0-0.5	dark brown sand loam, some small gravel
		0		0.5-3	brown silty sand loam
		0		3-4	brown clayey sand loam
	75%	0		4-4.5	brown clayey sand loam
		0		4.5-6.5	yellowish brown sandy clay w/gravel
		0		6.5-8	brown fairly well sorted medium sand w/trace small gravel
	75%	0		8-10	brown fairly well sorted medium sand w/trace small gravel
		0		10-12	yellowish brown unsorted sand and gravel
	70%	0		12-16	yellowish brown unsorted sand and gravel
	75%	0		16-20	yellowish brown unsorted sand and gravel
SB-9A	75%	0	13:45	20-21	yellowish brown unsorted sand and gravel (wet)
					groundwater at 20 feet
					SB-9A from 20-21 feet
		0		21-22	semi plastic sandy clay (moist)
		0		22-24	very firm yellowish brown and gray clay till, trace small gravel (dry)
	85%	0		24-25	very firm yellowish brown and gray clay till, trace small gravel (dry)
		0		25-26.5	semi plastic yellowish brown and gray fine sandy clay (moist)
		0		26.5-27	very firm yellowish brown and gray clay till, trace small gravel (dry)
	85%	0		27-27.5	firm gray clay till w/small gravel (dry)
		0		28.5-28	gray unsorted sand and gravel seam (wet)
SB-9B		0	14:00	28-29	gray very stiff sandy clay (dry)
					Refusal @ 29 feet. Bottom of boring at 29 feet
					SB-9B from 28-29 feet. Duplicate soil sample collected
SB-9GW			14:20	25-29	SP-15 set from 25-29 feet. Duplicate GW collected
					No odor or sheen on water

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Boring Log

Boring No.
SB-10

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 55°

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-10					
	10%	0		0-4	very poor recovery- brown clayey sand loam, trace gravel
	50%	0		4-4.5	brown clayey sand loam, trace gravel
		0		4.5-5	brown fairly well sorted medium sand w/trace small gravel
		0		5-8	yellowish brown unsorted sand and small gravel
	70%	0		8-12	yellowish brown unsorted sand and small gravel
	75%	0		12-13.5	yellowish brown unsorted sand and small gravel
		0		13.5-14	yellowish brown well sorted medium sand
		0		14-16	yellowish brown unsorted sand and gravel
	80%	0		16-20	yellowish brown med sand w/15-20% large sand/sm gravel
	75%	0		20-21	yellowish brown fws med sand (wet at very bottom)
					groundwater at 21 feet
		5		21-22	gray (pet staining) fws med sand, moderate pet odor (wet)
SB-10A		15	15:00	22-23.5	gray pet. stained fws med sand, trace gravel- mod.pet odor (wet)
					SB-9A from 20-21 feet
		0		23.5-24	very firm yellowish brown sandy clay, trace small gravel (dry)
		0		24-25	very firm, yellowish brown sandy clay, gray mottles (dry)
SB-10B	90%	0	15:20	25-26	Very firm gray clay till (dry)
		0		26-27	Stiff gray clay till (dry)
					Refusal @ 27 feet. Bottom of boring at 27 feet

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Boring Log

Boring No.

SB-11

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 60°

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-11					
	75%	0		0-1	asphalt and limestone gravel fill
		0		1-3	brown clayey sand loam
		0		3-4	brown fairly well sorted medium sand
	80%	0		4-4.5	brown fairly well sorted medium sand
		0		4.5-6	yellowish brown unsorted sand and small gravel
		0		6-8	yellowish brown unsorted sand and small gravel
	85%	0		8-12	yellowish brown unsorted sand and small gravel
	75%	0		12-12.5	yellowish brown unsorted sand and gravel
		0		12.5-13.5	yellowish brown well sorted med sand
		0		13.5-16	yellowish brown unsorted sand and gravel
	70%	0		16-19	yellowish brown unsorted sand and gravel
		0		19-20	fws yellowish brown med sand w/5-10% sand and sm gravel
	85%	0		20-21	fws yellowish brown med sand (wet on very bottom)
					groundwater at 21 feet
		0		21-22	fws yellowish brown to gray med sand (wet)
		10		22-23	gray (staining) fws med sand/some lg sand, mod pet odor (wet)
SB-11A		15	15:40	23-24	gray pet. stained fws med sand, trace gravel- mod.pet odor (wet)
	95%	0		24-25.5	yellowish brown, semi plastic sandy clay (moist, no odor)
		0		25.5-26	grayish brown stiff sandy clay (dry)
SB-11B		0	15:50	26-27	Stiff yellowish brown to gray clay till (dry)
					Refusal @ 27 feet. Bottom of boring at 27 feet

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Boring Log

Boring No.

SB-12

Project #:	4-229.001	Logged By:	Bruce Rape
Site Name:	Former National Ice Facility	Drilling Co.:	Midway Services
Site Address:	542 Third St.	Drillers:	Marty Hicks
City, State:	Columbus, IN	Drilling Method:	Geoprobe
Client:	Bill Weaver	Sampling Method:	Macro core
Date Bored:	10-14-2005	Weather:	Mostly sunny, 60°

Boring/Sample	Recov.	PID	Sample Time	Depth (ft)	SOIL DESCRIPTION
SB-12					
	75%	0		0-0.5	concrete
		0		0.5-1.5	brown clayey sand loam
		0		1.5-3.5	brown laomy sand
		0		3.5-4	brown fairly well sorted medium sand
	80%	0		4-8	yellowish brown unsorted sand and small gravel
	80%	0		8-10	yellowish brown unsorted sand and small gravel
		0		10-12	yellowish brown unsorted sand and small-med gravel
	85%	0		12-14	yellowish brown well sorted med sand
		0		14-16	yellowish brown unsorted sand and gravel
		0		16-20	yellowish brown unsorted sand and gravel
	75%	0		20-21.5	fws yellowish brown med sand
					groundwater at 21 feet
		5		21.5-22	fws gray med sand (mild pet odor)
SB-12A		10		22-23	gray fws med sand, trace large sand (wet, mod pet odor)
		15		23-23.8	gray fws med sand, trace large sand (wet, mod pet odor)
		0		23.8-24	stiff yellowish brown sandy clay, trace gravel (dry)
	95%	0		24-25	stiff yellowish brown sandy clay, trace gravel (dry)
		0		25-25.25	yellowish brown sand and gravel (dry, no odor)
SB-12B		0		25.25-26	stiff yellowish brown sandy clay(dry)
					SB-12B from 25-26 feet
		0		26-27	Stiff yellowish brown to gray clay till (dry)
					Refusal @ 27 feet. Bottom of boring at 27 feet

APPENDIX B
LABORATORY REPORT AND CHAIN OF CUSTODY

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629 Washington St., Suite 300
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8123750531

Bruce Rape
Strand/SIECO
629 Washington St.
Columbus, IN 47202
TEL: 812-372-9911
FAX (812) 372-7190

October 31, 2005
Order No.: C05100389

RE: National Ice

Dear Bruce Rape:

Sherry Laboratories received 16 samples on 10/17/05 for the analyses presented in the following report.

In accordance with your instructions, Sherry Laboratories conducted the analysis on samples submitted by your company. The results are shown on the following report. The results relate only to the items tested. Unless otherwise noted, all analysis was conducted using EPA approved methodologies. Subcontracted tests are indicated by "SUB" as the analyst. All relevant sampling information is recorded on the attached chain-of-custody form.

Certifications/Accreditations: IN# C-03-02 Col IN# C-18-02 Mun IN# C-02-02 Ftw
IN# M-3-2 Col IN# M-18-5 Mun NELAC# E87919

This report meets all requirements of the NELAC standards, where applicable. If you have any questions regarding these test results, please feel free to call.

This report contains 27 pages.

Paul Gerth

Approved By: Paul C Gerth

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Columbus Indiana 47201-
8123750531

Date: *31-Oct-05*

CLIENT: Strand/SIECO
Project: National Ice
Lab Order: C05100389

CASE NARRATIVE

Case Narrative:
The detection limits for the PNA analysis on sample C05100389-03A, -09A, and -15A are the best available for the sample volume submitted.

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-7A
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 10:15:00 AM
Lab ID:	C05100389-01A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/23/05	
TPH (Gasoline)	ND	20		ppm	10/23/05	
TPH (Oil)	ND	20		ppm	10/23/05	
Surr: n-Pentacosane	109	50-150		%REC	10/23/05	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-7B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 10:30:00 AM
Lab ID:	C05100389-02A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/24/05	
TPH (Gasoline)	ND	20		ppm	10/24/05	
TPH (Oil)	ND	20		ppm	10/24/05	
Surr: n-Pentacosane	109	50-150		%REC	10/24/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-7GW
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 11:25:00 AM
Lab ID:	C05100389-03A	**Matrix:**	GROUNDWATER
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
BTEX IN WATER BY GC/MS	**SW8260A**					**SUB**
Benzene	ND	5.00		ppb	10/26/05 3:13:00 P	
Ethylbenzene	ND	5.00		ppb	10/26/05 3:13:00 P	
Toluene	ND	5.00		ppb	10/26/05 3:13:00 P	
Methyl tert-butyl ether	ND	5.00		ppb	10/26/05 3:13:00 P	
Xylenes, Total	ND	5.00		ppb	10/26/05 3:13:00 P	
Surr: 4-Bromofluorobenzene	89.1	86-115		%REC	10/26/05 3:13:00 P	
Surr: Dibromofluoromethane	100	86-118		%REC	10/26/05 3:13:00 P	
Surr: Toluene-d8	100	88-110		%REC	10/26/05 3:13:00 P	
m,p-Xylene	ND	5.00		ppb	10/26/05 3:13:00 P	
o-Xylene	ND	5.00		ppb	10/26/05 3:13:00 P	
PNAS IN WATER BY GC/MS	**SW8270A**					**SUB**
Benz(a)anthracene	ND	0.26		ppb	10/20/05 4:41:00 P	
Benzo(a)pyrene	ND	0.40		ppb	10/20/05 4:41:00 P	
Benzo(b)fluoranthene	ND	0.52		ppb	10/20/05 4:41:00 P	
Benzo(k)fluoranthene	ND	0.88		ppb	10/20/05 4:41:00 P	
Chrysene	ND	0.24		ppb	10/20/05 4:41:00 P	
Dibenz(a,h)anthracene	ND	1.2		ppb	10/20/05 4:41:00 P	
Indeno(1,2,3-cd)pyrene	ND	0.96		ppb	10/20/05 4:41:00 P	
Surr: 2-Fluorobiphenyl	75.6	43-116		%REC	10/20/05 4:41:00 P	
Surr: 4-Terphenyl-d14	85.7	33-141		%REC	10/20/05 4:41:00 P	
Surr: Nitrobenzene-d5	84.6	35-114		%REC	10/20/05 4:41:00 P	
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	4.7	1.0		ppm	10/23/05	
TPH (Gasoline)	ND	1.0		ppm	10/23/05	
TPH (Oil)	ND	1.0		ppm	10/23/05	
Surr: n-Pentacosane	111	50-150		%REC	10/23/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-8A
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 12:00:00 PM
Lab ID:	C05100389-04A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/24/05	
TPH (Gasoline)	ND	20		ppm	10/24/05	
TPH (Oil)	ND	20		ppm	10/24/05	
Surr: n-Pentacosane	100	50-150		%REC	10/24/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-8B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 12:10:00 PM
Lab ID:	C05100389-05A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	109	50-150		%REC	10/25/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-8GW
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/13/05 12:20:00 PM
Lab ID:	C05100389-06A	**Matrix:**	GROUNDWATER
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
BTEX IN WATER BY GC/MS		**SW8260A**				**SUB**
Benzene	ND	5.00		ppb	10/26/05 3:42:00 P	
Ethylbenzene	ND	5.00		ppb	10/26/05 3:42:00 P	
Toluene	ND	5.00		ppb	10/26/05 3:42:00 P	
Methyl tert-butyl ether	ND	5.00		ppb	10/26/05 3:42:00 P	
Xylenes, Total	ND	5.00		ppb	10/26/05 3:42:00 P	
Surr: 4-Bromofluorobenzene	89.1	86-115		%REC	10/26/05 3:42:00 P	
Surr: Dibromofluoromethane	99.4	86-118		%REC	10/26/05 3:42:00 P	
Surr: Toluene-d8	98.9	88-110		%REC	10/26/05 3:42:00 P	
m,p-Xylene	ND	5.00		ppb	10/26/05 3:42:00 P	
o-Xylene	ND	5.00		ppb	10/26/05 3:42:00 P	
PNAS IN WATER BY GC/MS		**SW8270A**				**SUB**
Benz(a)anthracene	ND	0.13		ppb	10/20/05 6:17:00 P	
Benzo(a)pyrene	ND	0.20		ppb	10/20/05 6:17:00 P	
Benzo(b)fluoranthene	ND	0.26		ppb	10/20/05 6:17:00 P	
Benzo(k)fluoranthene	ND	0.44		ppb	10/20/05 6:17:00 P	
Chrysene	ND	0.12		ppb	10/20/05 6:17:00 P	
Dibenz(a,h)anthracene	ND	0.60		ppb	10/20/05 6:17:00 P	
Indeno(1,2,3-cd)pyrene	ND	0.48		ppb	10/20/05 6:17:00 P	
TPH BY GC/FID		**SW8015M**				**SUB**
TPH (Diesel)	ND	1.0		ppm	10/23/05	
TPH (Gasoline)	ND	1.0		ppm	10/23/05	
TPH (Oil)	ND	1.0		ppm	10/23/05	
Surr: n-Pentacosane	136	50-150		%REC	10/23/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-9A
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 1:45:00 PM
Lab ID:	C05100389-07A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	113	50-150		%REC	10/25/05	

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	MI+ - Matrix Interference
	* - Value exceeds MCL or Permit Limitation	H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-9B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 2:00:00 PM
Lab ID:	C05100389-08A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	111	50-150		%REC	10/25/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

SHERRY Laboratories
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629 Washington St., Suite 300
Columbus Indiana 47201-
8123750531

CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-9GW
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collectiou Date:**	10/14/05 2:20:00 PM
Lab ID:	C05100389-09A	**Matrix:**	GROUNDWATER
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
BTEX IN WATER BY GC/MS	**SW8260A**					**SUB**
Benzene	ND	5.00		ppb	10/26/05 4:12:00 P	
Ethylbenzene	ND	5.00		ppb	10/26/05 4:12:00 P	
Toluene	ND	5.00		ppb	10/26/05 4:12:00 P	
Methyl tert-butyl ether	ND	5.00		ppb	10/26/05 4:12:00 P	
Xylenes, Total	ND	5.00		ppb	10/26/05 4:12:00 P	
Surr: 4-Bromofluorobenzene	86.5	86-115		%REC	10/26/05 4:12:00 P	
Surr: Dibromofluoromethane	99.8	86-118		%REC	10/26/05 4:12:00 P	
Surr: Toluene-d8	99.7	88-110		%REC	10/26/05 4:12:00 P	
m,p-Xylene	ND	5.00		ppb	10/26/05 4:12:00 P	
o-Xylene	ND	5.00		ppb	10/26/05 4:12:00 P	
PNAS IN WATER BY GC/MS	**SW8270A**					**SUB**
Benz(a)anthracene	ND	0.26		ppb	10/20/05 5:13:00 P	
Benzo(a)pyrene	ND	0.40		ppb	10/20/05 5:13:00 P	
Benzo(b)fluoranthene	ND	0.52		ppb	10/20/05 5:13:00 P	
Benzo(k)fluoranthene	ND	0.88		ppb	10/20/05 5:13:00 P	
Chrysene	ND	0.24		ppb	10/20/05 5:13:00 P	
Dibenz(a,h)anthracene	ND	1.2		ppb	10/20/05 5:13:00 P	
Indeno(1,2,3-cd)pyrene	ND	0.96		ppb	10/20/05 5:13:00 P	
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	0.20		ppm	10/20/05	
TPH (Gasoline)	ND	0.25		ppm	10/20/05	
TPH (Oil)	ND	0.30		ppm	10/20/05	
Surr: n-Pentacosane	103	50-150		%REC	10/20/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
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- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-10B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 3:00:00 PM
Lab ID:	C05100389-10A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	113	50-150		%REC	10/25/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-11B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 3:50:00 PM
Lab ID:	C05100389-11A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	92.7	50-150		%REC	10/25/05	

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	SB-12B
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05 4:40:00 PM
Lab ID:	C05100389-12A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	104	50-150		%REC	10/25/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	Dup
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05
Lab ID:	C05100389-13A	**Matrix:**	SOIL
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	20		ppm	10/25/05	
TPH (Gasoline)	ND	20		ppm	10/25/05	
TPH (Oil)	ND	20		ppm	10/25/05	
Surr: n-Pentacosane	111	50-150		%REC	10/25/05	

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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Columbus Indiana 47201-
8123750531

CLIENT:	Strand/SIECO	**Client Sample ID:**	Dup GW
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05
Lab ID:	C05100389-14A	**Matrix:**	GROUNDWATER
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
BTEX IN WATER BY GC/MS	**SW8260A**					**SUB**
Benzene	ND	5.00		ppb	10/26/05 4:42:00 P	
Ethylbenzene	ND	5.00		ppb	10/26/05 4:42:00 P	
Toluene	ND	5.00		ppb	10/26/05 4:42:00 P	
Methyl tert-butyl ether	ND	5.00		ppb	10/26/05 4:42:00 P	
Xylenes, Total	ND	5.00		ppb	10/26/05 4:42:00 P	
Surr: 4-Bromofluorobenzene	88.6	86-115		%REC	10/26/05 4:42:00 P	
Surr: Dibromofluoromethane	99.2	86-118		%REC	10/26/05 4:42:00 P	
Surr: Toluene-d8	102	88-110		%REC	10/26/05 4:42:00 P	
m,p-Xylene	ND	5.00		ppb	10/26/05 4:42:00 P	
o-Xylene	ND	5.00		ppb	10/26/05 4:42:00 P	

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	Dup-GW
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/14/05
Lab ID:	C05100389-15A	**Matrix:**	GROUNDWATER
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
PNAS IN WATER BY GC/MS	**SW8270A**					**SUB**
Benz(a)anthracene	ND	0.26		ppb	10/20/05 5:45:00 P	
Benzo(a)pyrene	ND	0.40		ppb	10/20/05 5:45:00 P	
Benzo(b)fluoranthene	ND	0.52		ppb	10/20/05 5:45:00 P	
Benzo(k)fluoranthene	ND	0.88		ppb	10/20/05 5:45:00 P	
Chrysene	ND	0.24		ppb	10/20/05 5:45:00 P	
Dibenz(a,h)anthracene	ND	1.2		ppb	10/20/05 5:45:00 P	
Indeno(1,2,3-cd)pyrene	ND	0.96		ppb	10/20/05 5:45:00 P	
TPH BY GC/FID	**SW8015M**					**SUB**
TPH (Diesel)	ND	0.20		ppm	10/20/05	
TPH (Gasoline)	ND	0.25		ppm	10/20/05	
TPH (Oil)	ND	0.30		ppm	10/20/05	
Surr: n-Pentacosane	130	50-150		%REC	10/20/05	

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

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CLIENT:	Strand/SIECO	**Client Sample ID:**	Trip Blank
Lab Order:	C05100389	**Tag Number:**	
Project:	National Ice	**Collection Date:**	10/12/05 1:24:00 PM
Lab ID:	C05100389-16A	**Matrix:**	AQUEOUS
Date Received:	17-Oct-05	**Date Reported:**	31-Oct-05

Analyses	Result	Detection Limit	Qual	Units	Date Analyzed	Analyst
BTEX IN WATER BY GC/MS	**SW8260A**					**SUB**
Benzene	ND	5.00		ppb	10/26/05 1:42:00 P	
Ethylbenzene	ND	5.00		ppb	10/26/05 1:42:00 P	
Toluene	ND	5.00		ppb	10/26/05 1:42:00 P	
Methyl tert-butyl ether	ND	5.00		ppb	10/26/05 1:42:00 P	
Xylenes, Total	ND	5.00		ppb	10/26/05 1:42:00 P	
Surr: 4-Bromofluorobenzene	86.2	86-115		%REC	10/26/05 1:42:00 P	
Surr: Dibromofluoromethane	97.2	86-118		%REC	10/26/05 1:42:00 P	
Surr: Toluene-d8	98.9	88-110		%REC	10/26/05 1:42:00 P	
m,p-Xylene	ND	5.00		ppb	10/26/05 1:42:00 P	
o-Xylene	ND	5.00		ppb	10/26/05 1:42:00 P	

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds MCL or Permit Limitation
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- MI+ - Matrix Interference
- H - Exceeds Holding Time

Sherry Laboratories - Chain of Custody Record

SHERRY Laboratories
Testing Today – Protecting Tomorrow

Laboratory Number: Lab use only

Client Information:	Billing Information:	PO Number:	Project Name/Number:
Company Name: Strand Associates, Inc			National Ice
Contact Name: B. Pape		Quote Number:	4-229.001
Address:			Sampler's Signature
		Required QC Level	
City, State Zip:			
Phone Number: Ext:	Ext:	Bill Monthly ☐Yes ☐No	Shipping Method: UPS / FedEx / Airborne DHL / Sherry / (Hand) / Mail

Page 1 of 3

Turn Time
- ☐ Standard
- ☐ 1 Day
- ☐ 2 Day
- ☒ Other 1 Week

(Rush turn times will incur a surcharge and must be pre-approved by lab.)

Which Regulations Apply:
☐RCRA ☐Drinking Water
☐POTW ☐Distribution
☐NPDES ☐Special
☐USDA/FDA ☐State
☐RECAP/RISC ☐Other

Matrix Code:
AQ = Aqueous, O = Oil, DW = Drinking, SL = Sludge, WW = Waste, F = Food, MW = Monit. Well, SW = Swab, LQ = Liquid, SOL = Solid

Sample ID/Description	Date	Time	Grab/Composite	Matrix	Container: Quantity	Container: Type P=Plastic, G=Glass, V=Vial	Pres.: HCl, HNO3, H2SO4, NaOH, Na2S2O3	Requested Tests: TPH 8015	MBTEX	PNA						Comments
SB-7A	10-14-05	10:15	Grab	~~SO~~	1	G	ice	X								Run MS + MSD on SB-8A for TPH SB-8GW for MBTEX TPH and PNA
SB-7B	10-14	10:30	Grab	SO	1	G	ice	X								
SB-7GW	10-14	11:25	Grab	MW	2	G	HCl		X							Detection Limits for PNAs must be below RISC Default closure levels or achieve DLs specified in RISC Table (Attached) ND PNA's expected
SB-7GW	10-14	11:25	Grab	MW	1	G	ice	X		X						
SB-8A	10-14	12:00	Grab	SO	1	G	ice	X								
SB-8B	10-14	12:10	Grab	SO	1	G	ice	X								
SB-8GW	10-14	12:20	Grab	MW	6	G	HCl		X							
SB-8GW	10-14	12:20	Grab	MW	3	G	ice	X		X						
SB-9A	10-14	13:45	Grab	SO	1	G	ice	X								
SB-9B	10-14	14:00	Grab	SO	1	G	ice	X								

	Relinquished by	Date/Time	Received by	Date/Time
1		10-17-05 10:55		10-17-05 10:55
2				
3				
4				

Field Notes:

Received on ice? ☒Yes ☐No

Temp: 0

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In 47302
765-747-9000
Fax: 765-747-0228

629 Washington St.
Suite 300
Columbus, In 47201
812-375-0531
Fax: 812-375-0731

5738 Industrial Rd.
Fort Wayne, In 46825
260-471-7000
Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

6/03

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

Sherry Laboratories - Chain of Custody Record

SHERRY Laboratories
Testing Today – Protecting Tomorrow

Laboratory Number: Lab use only

Client Information:	Billing Information:	PO Number:	Project Name/Number:
Company Name: Strand Associates, Inc			National Ice 4-229,001
Contact Name: B. Kape		Quote Number:	Page 2 of 3
Address:			Sampler's Signature
		Required QC Level	
City, State Zip:			Turn Time: ☐ Standard ☐ 1 Day ☐ 2 Day ☒ Other 1 week
Phone Number: Ext:	Ext:	Bill Monthly: ☐ Yes ☐ No	Shipping Method: UPS / FedEx / Airborne / DHL / Sherry / (Hand) / Mail
Fax Number:			(Rush turn times will incur a surcharge and must be pre-approved by lab.)
E-mail Address:			

Which Regulations Apply: ☐ RCRA ☐ Drinking Water ☐ POTW ☐ Distribution ☐ NPDES ☐ Special ☐ USDA/FDA ☐ State ☐ RECAP/RISC ☐ Other

Matrix Code: AQ = Aqueous, DW = Drinking, WW = Waste, MW = Monit. Well, LQ = Liquid, SO = Soil, O = Oil, SL = Sludge, F = Food, SW = Swab, SOL = Solid

Sample ID/Description	Date	Time	Grab/ Composite	Matrix	Container: Quantity	Container: Type P=Plastic, G=Glass, V=Vial	Pres.: HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$	TPH 8015	MBTEX	PNA	HOLD @ 4°C						Comments
SB-9 GW	10-14-05	14:20	Grab	MW	2	G	HCl		X								
SB-9 GW	10-14	14:20	Grab	MW	1	G	ice	X		X							
SB-10A	10-14	15:00	Grab	SO	1	G	ice				X						
SB-10B	10-14	15:20	Grab	SO	1	G	ice	X									
SB-11A	10-14	15:40	Grab	SO	1	G	ice				X						
SB-11B	10-14	15:50	Grab	SO	1	G	ice	X									
SB-12A	10-14	16:30	Grab	SO	1	G	ice				X						
SB-12B	10-14	16:40	Grab	SO	1	G	ice	X									
DUP	10-14		Grab	SO	1	G	ice	X									
DUP-GW	10-14		Grab	MW	2	G	HCl		X								

	Relinquished by	Date/Time	Received by	Date/Time
1		10-17-05 10:55		10-17-05 16:55
2				
3				
4				

Field Notes:

Received on ice? ☒ Yes ☐ No

Temp: 6°C

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In 47302
765-747-9000
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629 Washington St.
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812-375-0531
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Fort Wayne, In 46825
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2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

Sherry Laboratories - Chain of Custody Record

SHERRY Laboratories
Testing Today – Protecting Tomorrow

Laboratory Number: Lab use only

Client Information:	Billing Information:	PO Number:	Project Name/Number:
Company Name: Strand Associates, Inc			National Ice 4-229.001
Contact Name: B. Rape		Quote Number:	
Address:			Sampler's Signature
		Required QC Level	
City, State Zip:			
Phone Number:	Ext:	Ext:	Bill Monthly ☐Yes ☐No
Fax Number:			Shipping Method: UPS / FedEx / Airborne DHL / Sherry / (Hand) / Mail
E-mail Address:			

Page 3 of 3

Turn Time
- ☐ Standard
- ☐ 1 Day
- ☐ 2 Day
- ☒ Other 1 Week

(Rush turn times will incur a surcharge and must be pre-approved by lab.)

Which Regulations Apply:
- ☐ RCRA
- ☐ POTW
- ☐ NPDES
- ☐ USDA/FDA
- ☐ RECAP/RISC
- ☐ Drinking Water
- ☐ Distribution
- ☐ Special
- ☐ State
- ☐ Other

Matrix Code: AQ = Aqueous; DW = Drinking; WW = Waste; MW = Monit. Well; LQ = Liquid; SO = Soil; O = Oil; SL = Sludge; F = Food; SW = Swab; SOL = Solid

Sample ID/Description	Date	Time	Grab/Composite	Matrix	Container Quantity	Container Type (P=Plastic, G=Glass, V=Vial)	Pres. (HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$)	TPH	MBTEX	PNA							Comments
DUP-GW	10-14-05		Grab	MW	1	G	ice	X		X							DA
TB	10-12-05	13:14	Grab	MW	2	G	HCl		X								DA

	Relinquished by	Date/Time	Received by	Date/Time
1		10-17-05 10:55		10/17/05 10:55
2				
3				
4				

Field Notes:

Received on ice? ☒ Yes ☐ No

Temp: 0

All samples submitted to Sherry Laboratories for analysis are accepted on a custodial basis only. Ownership of the material remains with the client submitting the samples. Sherry Laboratories reserves the right to return unused sample portions.

2203 S. Madison St.
Muncie, In 47302
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Fax: 260-471-7777

2417 W. Pinhook Rd
Lafayette, LA 70508
337-235-0483
Fax: 337-233-6540

6825 E. 38th Street
Tulsa, OK 74145
918-828-9977
Fax: 918-828-7756

6/03

Part 1 - Laboratory Copy Part 2 - Report Copy Part 3 - Client's Temporary Copy

Sherry Laboratories

Sample Receipt Checklist

Client Name: SIECOJ

Date and Time Received: 10/17/05

Work Order Number: C05100389

Received by: GLP

Checklist completed by: GLP 10-18-05
Signature Date

Matrix

Carrier name

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Clear which analyses were requested?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
Laboratory able to meet all holding times?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature: 6°
Attempt made to cool the samples while in transit?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

If not, which bottles adjusted? _____ Adjusted by: _____

Any No response, discrepancies or special handling must be detailed in the comments section below.

Client contacted via: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action: _____

CHAIN-OF-CUSTODY RECORD

Sherry Laboratories
629 Washington St., Suite 300
Columbus, Indiana 47201-
(812) 375-0531

Subcontractor:
Sherry Laboratories - Fort Wayne
5738 Industrial Road

Fort Wayne, Indiana 468255128

TEL: (219) 471-7000
FAX: (219) 471-7777

Acct #: NELAP E87920

17-Oct-05

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests BTEX_W	TPHFID_S	TPHFID_W
C05100389-16A	Aqueous	10/12/05 1:24:00 PM		1		
C05100389-03A	Groundwater	10/13/05 11:25:00 AM		1		1
C05100389-06A	Groundwater	10/13/05 12:20:00 PM		1		1
C05100389-09A	Groundwater	10/14/05 2:20:00 PM		1		1
C05100389-14A	Groundwater	10/14/05		1		
C05100389-15A	Groundwater	10/14/05				1
C05100389-01A	Soil	10/14/05 10:15:00 AM			1	
C05100389-02A	Soil	10/14/05 10:30:00 AM			1	
C05100389-04A	Soil	10/14/05 12:00:00 PM			1	
C05100389-05A	Soil	10/14/05 12:10:00 PM			1	
C05100389-07A	Soil	10/14/05 1:45:00 PM			1	
C05100389-08A	Soil	10/14/05 2:00:00 PM			1	
C05100389-10A	Soil	10/14/05 3:00:00 PM			1	
C05100389-11A	Soil	10/14/05 3:50:00 PM			1	
C05100389-12A	Soil	10/14/05 4:40:00 PM			1	
C05100389-13A	Soil	10/14/05			1	

Comments: Strand--Due 10/24/05

Relinquished by: Gail Parker **Date/Time** 10-17-05 18:59 **Received by:**

Relinquished by: **Received by:** **Date/Time**

Sherry Laboratories
629 Washington St., Suite 300
Columbus, Indiana 47201-
(812) 375-0531

CHAIN-OF-CUSTODY RECORD

Subcontractor:

Sherry Laboratories - Muncie Environmental
2203 S. Madison Street
Muncie, Indiana 473024156

TEL: (765) 747-9000
FAX: (765) 747-0228
Acct #: NELAP E87921

17-Oct-05

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: PNA_W
C05100389-03A	Groundwater	10/13/05 11:25:00 AM		1
C05100389-06A	Groundwater	10/13/05 12:20:00 PM		1
C05100389-09A	Groundwater	10/14/05 2:20:00 PM		1
C05100389-15A	Groundwater	10/14/05		1

Due 10-24-05

Comments: Strand

		Date/Time			Date/Time
Relinquished by:	Carl Pickens	10-18-05 08:00	**Received by:**		10-18-5 0900
Relinquished by:			**Received by:**		

..ooratories - Chain of Custody Record

Laboratory Number: 60T10389

..ent Information:	Billing Information:	PO Number:	Project Name/Number: National Ice 4-229.001	Page 1 of 3
..ame: Strand Associates Inc / D. Rupe		Quote Number:		Turn Time: ☐ Standard ☐ 1 Day ☐ 2 Day ☒ Other 1 week
ldress:		Required QC Level	Sampler's Signature	(Rush turn times will incur a surcharge and must be pre-approved by lab.)
e Zip:				
..mber: Ext:	Ext:	Bill Monthly ☐ Yes ☐ No	Shipping Method: UPS / FedEx / Airborne / DHL / Sherry / (Hand) / Mail	
mber:				
dress:				

gulations Apply: ☐ Drinking Water ☐ Distribution ☐ Special ☐ State ☐ Other (DA / RISC)

Matrix Code: AQ = Aqueous; DW = Drinking; WW = Waste; MW = Monit. Well; LQ = Liquid; SO = Soil; O = Oil; SL = Sludge; F = Food; SW = Swab; SOL = Solid

../Description	Date	Time	Grab / Composite	Matrix	Container: Quantity	Container: Type P=Plastic, G=Glass, V=Vial	Pres.: HCl, HNO_3, H_2SO_4, NaOH, $Na_2S_2O_3$	Requested Tests: TPH 8015	MBTEX	PNA	Comments
1	10-14-05	10:15	Grab	~~MW~~	1	G	ice	X			Run MS + MSD on SB-8A for TPH and SB-GGW for MBTEX TPH and PNA
3	10-14	10:30	Grab	SO	1	G	ice	X			
GW	10-14	11:25	Grab	MW	2	G	HCl		X		Detection Limits for PNAs must be below RISC Default closure levels or achieve DLs specified in RISC Table (Attached) ND PNA's expected
W	10-14	11:25	Grab	MW	1	G	ice	X		X	
4	10-14	12:00	Grab	SO	1	G	ice	X			
8	10-14	12:10	Grab	SO	1	G	ice	X			
GW	10-14	12:20	Grab	MW	6	G	HCl		X		
W	10-14	12:20	Grab	MW	3	G	ice	X		X	
4	10-14	13:45	Grab	SO	1	G	ice	X			
3	10-14	14:00	Grab	SO	1	G	ice	X			

Relinquished by	Date/Time	Received by	Date/Time	Field Notes:
	10-17-05 10:55		10/17/05 10:55	
				Received on ice? ☒ Yes ☐ No

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

November 3, 2009

Mr. William A. Weaver
Mrs. Suzanne Weaver
National Ice Company, Inc.
14400 West Georgetown Road
Columbus, Indiana 47201

Dear Mr. and Mrs. Weaver:

Re: **No Further Action Determination Pursuant to RISC Guidance**
Former National Ice Company, Inc.
531 5th Street
Columbus, Bartholomew County
LUST #200404506
FID #13761

The Indiana Department of Environmental Management (IDEM) staff reviewed the Corrective Action Plan regarding the release of petroleum at your property located at 531 5th Street, Columbus, Indiana (the Site).

The following is a summary of the current conditions at the Site for the subject release:

- Subsurface soil results indicate that total petroleum hydrocarbons (TPH) at 22-24 feet below ground surface are between 680 and 7,400 parts per million (ppm) for diesel range organics (DRO), which exceeds RISC Industrial Default Closure Levels (IDCLs). However, soil samples taken from 25-26 feet were all non-detect for TPH-DRO.

- Subsurface soil results indicate that benzene, toluene, ethylbenzene, and xylene, as well as methyl tertiary butyl ether (MTBE), are non- detect, which is below RISC Residential Default Closure Levels (RDCLs).

- Groundwater results show benzene, toluene, ethyl benzene, xylene, and methyl tertiary butyl ether (MTBE) are below RISC RDCLs.

- Those areas where the contaminants of concern in soil remain on-site are termed the "Affected Area(s)" and are depicted on Exhibit B on the enclosed ERC. A list of the contaminants of concern in soil and the concentration levels/detected parameters is set forth in Table 1 of the enclosed ERC.

- In light of the fact that some contamination remains on-site, and as a condition of IDEM determining that no further action (NFA) is required at the site, the owner of the site agreed to place an Environmental Restrictive Covenant ("ERC") on the property. The ERC was recorded with the Office of the Recorder of Bartholomew County on October 21, 2009 and imposes specific usage requirements on the Site designed to limit or eliminate exposure to contamination remaining in soil at the Site. A copy of the recorded ERC is enclosed. The ERC may also be found in IDEM's Public File for the Site, as well as the county Office of the Recorder.

Based on the technical reports reviewed by IDEM and the conditions of the ERC, IDEM concludes that no further response actions are required as long as the owner and any subsequent owners of the Site comply with the obligations and/or restrictions contained in the ERC. This NFA determination is based on information known to IDEM at the time of issuance of this letter. If additional information is subsequently obtained by IDEM indicating that the Site poses a risk to human health or the environment, including information about a land use at the Site inconsistent with the conditions of the ERC, IDEM reserves the right modify or revoke this NFA determination as the situation may warrant.

This NFA determination is based on the following non-rule policy document (NPD) guidelines and conditions:

- Risk Integrated System of Closure (RISC), non-default, industrial for subsurface soil
- Risk Integrated System of Closure (RISC), default, residential for ground water
- An ERC was recorded on the property deed and is enclosed with this letter.

If you have any questions, please contact Kathleen M. Simonson at 317/234-0979 or toll free from within Indiana at 800/451-6027. She can also be reached via email at: ksimonso@idem.in.gov. To notify IDEM of any additional information about the Site or any Site activities inconsistent with conditions in the ERC, please call 317/232-8900.

Sincerely,

Roy Herbert for CS

Craig Schroer, Chief
Leaking Underground Storage Tank Section
Office of Land Quality

Enclosure
cc: IDEM File
Bartholomew County Health Department (electronic copy)
Mr. Guinn Doyle, Barnes & Thornburg LLP (electronic copy)

Kathy 13761

AFFIDAVIT FOR RECORDING OF AN ENVIRONMENTAL RESTRICTIVE COVENANT

I, the undersigned, being of the age of majority and duly sworn upon my oath, have personal knowledge of the facts stated herein:

- the enclosed copy of the Environmental Restrictive Covenant ("ERC") and its Attachments were recorded in the Bartholomew County Recorder's Covenant Book and were cross-referenced to Deed Record Number 2009-13155, which is the recorded deed that concerns the property subject to the land use requirements contained in the ERC; and

- the enclosed copy represents the ERC and its Attachments in their entirety as agreed to by the Indiana Department of Environmental Management and the property owner.

ERC County Recorder's Book and Page or Instrument Number: 2009-13155

Number of Pages Recorded: 13

I swear or affirm under the penalties for perjury that the foregoing representations are true and accurate to the best of my knowledge and belief.

William H. Weaver Pres. — 10-20-09
Signature of Property Owner — Date
WILLIAM H. WEAVER

Suzanne Weaver, Sec. — 10/20/09
Print or type name — Position
Suzanne Weaver

STATE OF Indiana)
) SS:
COUNTY OF Marion)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared William H. Weaver & Suzanne Weaver, who acknowledged the execution of the foregoing instrument for and on behalf of the Owner.

Witness my hand and Notarial Seal this 20 day of October, 2009

F. Robert Lively, Notary Public

Residing in Marion County, Indiana

My Commission Expires: 7-11-15

RECEIVED
NOV 03 2009
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

200900013155
Filed for Record in
BARTHOLOMEW COUNTY, IN
BETTY JEAN BESHEAR
10-21-2009 At 03:04 pm.
COVENANT 36.00

Environmental Restrictive Covenant

THIS COVENANT is made this 20th day of October, 2009, by National Ice Company, Inc., 14,400 W. Georgetown Road, Columbus, Indiana 47201 (together with his/her/its/their successors and assignees, collectively "Owner").

WHEREAS: Owner owns certain real estate in the County of Bartholomew, Indiana, which is more particularly described in the attached Exhibit "A" and made a part hereof ("Real Estate"), which Real Estate was acquired by deed on October 16, 1985, and recorded on November 5, 1985, as Deed Record 8506970, in the Office of the Recorder of Bartholomew County, Indiana.

WHEREAS: A corrective action plan was prepared and implemented in accordance with IC 13-22 and other applicable Indiana law as a result of a release of petroleum relating to the National Ice Company, FID #13761, LUST #200404506, which affected the Real Estate. National Ice Company implemented certain response activities at the Real Estate, including the following: removal of underground storage tanks.

WHEREAS: The corrective action plan, which was approved by the Indiana Department of Environmental Management ("Department" or "IDEM"), allows certain known petroleum constituents ("contaminants of concern") to remain in the soil, of the Real Estate above the Department's closure levels for residential use and industrial/commercial use, provided that land use restrictions are implemented to protect human health and the environment. The known contaminants of concern ("COCs") include: TPH (diesel) are present at some locations at 22 to 24 feet below ground surface, above the commercial/industrial default levels. The remaining concentrations and applicable closure levels are described more fully in Exhibit B, which is attached hereto and incorporated herein. The locations of the remaining COCs are depicted on the site map, which is attached hereto as Exhibit C and incorporated herein.

The Further Site Investigation Report, Strand Associates, Inc., April 2006 and related site documents are incorporated herein by reference and may be examined at the offices of the Department in the public file room. [IDEM VFC link -- http://12.186.81.88/Pages/Public/search.aspx Document No. 25439863]

NOW THEREFORE, Owner, hereby, in consideration for the promises contained herein and other good and valuable consideration imposes restrictions on the Real Estate and covenants and agrees that:

I. GENERAL PROVISIONS

1. Property Conveyance - Continuance of Provisions. The Owner shall prevent any conveyance of title, easement, or other interest in the Real Estate from being consummated without adequate and complete provision for compliance with the corrective action plan and prevention of exposure to contaminants of concern as described in paragraph 7, below.

2. Restrictions to Run with the Land. The restrictions and other requirements described in this Covenant shall run with the land and be binding upon, and inure to the benefit of the Owner of the Real Estate and the Owner's successors, assignees, heirs and lessees or their authorized agents, employees, contractors, representatives, agents, lessees, licensees, invitees, guests, or persons acting under their direction or control and shall continue as a servitude running in perpetuity with the Real Estate. No transfer, mortgage, lease, license, easement, or other conveyance of any interest in all or any part of the Real Estate by any person shall limit the restrictions set forth herein. This Covenant is imposed upon the entire Real Estate unless expressly stated as applicable only to a specific portion thereof.

3. Binding upon Future Owners. By taking title to the Real Estate, any subsequent owner agrees to comply with these restrictions and the terms of this Covenant.

4. Access for Department. The Owner shall grant to the Department and its designated representatives the right to enter upon the Real Estate at reasonable times for the purpose of determining whether the land use restrictions described in paragraph 8 are being maintained (and operated as applicable) in a manner that ensures the protection of public health, safety, or welfare and the environment; this includes the right to take samples, monitor compliance with the corrective action plan, and inspect records.

5. Written Notice of the Presence of Petroleum. Owner agrees to include in any instrument conveying any interest in any portion of the Real Estate, including but not limited to deeds, leases and subleases (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances) the following notice provision:

NOTICE: THE INTEREST CONVEYED HEREBY IS SUBJECT TO AN ENVIRONMENTAL RESTRICTIVE COVENANT, DATED October 20, **2009, RECORDED IN THE OFFICE OF THE RECORDER OF BARTHOLOMEW COUNTY ON** October, 21, **2009, INSTRUMENT NUMBER (or other identifying reference)** 2009-13155 **IN FAVOR OF AND ENFORCEABLE BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.**

6. Notice to Department of the Conveyance of Property. Owner agrees to provide notice to the Department no later than thirty (30) days after any conveyance of any ownership interest in the Real Estate (excluding mortgages, liens, similar financing interests, and other non-possessory encumbrances). Owner must provide Department with a certified copy of the instrument conveying any interest in any portion of the Real Estate and, if it has been recorded, its recording reference. Such notice shall also include the name and business address of the transferee.

II. RESTRICTIONS AND OBLIGATIONS

7. The Owner shall:

a) Prohibit any activity at the Real Estate that may interfere with the response activities, long-term monitoring, or measures necessary to assure the effectiveness and integrity of any response action, or component thereof, selected and/or undertaken at the Real Estate.

b) Not use the Real Estate for residential purposes, including, but not limited to, daily care facilities (e.g., daycare centers, schools and senior citizen facilities)

c) Not use the Real Estate for growing crops.

d) Neither engage in nor allow the installation or use of drinking water wells on the Real Estate. There shall be no consumptive, extractive or other use of the groundwater underlying the Real Estate that could cause exposure of humans or animals to the groundwater underlying the Real Estate, other than for site investigation and/or remediation purposes, without prior Department approval.

e) Neither engage in nor allow excavation of soil below 20 feet deep anywhere in the Affected Areas of the Real Estate as depicted on Exhibit "B" without first notifying the Department at least 30 days prior to beginning work. Any removal, excavation or disturbance of soil from or within the Affected Areas of the Real Estate must be conducted in accordance with all applicable requirements of IOSHA/OSHA, and soil that is removed, excavated or disturbed from the Affected Areas of the Real Estate must be managed and disposed of in accordance with all applicable federal and state laws and regulations.

f) Notify the Department within 10 days if there is a change in the land use and/or any zoning changes that affect the Real Estate.

III. ENFORCEMENT

8. Enforcement. Pursuant to IC 13-14-2-6(5), the Department may proceed in court, by appropriate action to enforce this Covenant. Owner agrees that the restrictions are enforceable, and agrees not to challenge the appropriate court's jurisdiction.

IV. TERM, MODIFICATION AND TERMINATION

9. Term. The restrictions shall apply until the Department determines that the contaminants of concern no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment.

10. Modification and Termination. This Covenant shall not be amended, modified, or terminated except by prior written approval by the Department and the owner of the Real Estate at the time of the proposed amendment, modification, or termination. Within five (5) days of executing an amendment, modification, or termination of the Covenant, such amendment, modification, or termination shall be recorded with the Office of the Recorder of Bartholomew County and within five (5) days after recording, a true copy of the recorded amendment, modification, or termination shall be presented to the Department.

V. MISCELLANEOUS

11. Waiver. No failure on the part of the Department at any time to require performance by any person of any term of this Covenant shall be taken or held to be a waiver of such term or in any way affect the Department's right to enforce such term, and no waiver on the part of the Department of any term hereof shall be taken or held to be a waiver of any other term hereof or the breach thereof.

12. Conflict of and Compliance with Laws. If any provision of this Covenant is also the subject of any law or regulation established by any federal, state, or local government, the strictest standard or requirement shall apply. Compliance with this Covenant does not relieve the Owner from complying with any other applicable laws.

13. Change in Law or Regulation. In the event that the Risk Integrated System of Closure ("RISC") is adopted by rule in Indiana, or in the event of any other change in applicable law or regulations, this Covenant shall be interpreted so as to ensure the continuing validity and enforceability of the restrictions listed in paragraph 7, above. In no event shall this Covenant be rendered unenforceable if Indiana's laws, regulations, RISC guidelines, or policies for environmental restrictive covenants or institutional or engineering controls change as to form or content. All statutory references include any successor provisions.

14. Notices. Any notice, demand, request, consent, approval or communication that either party desires or is required to give to the other pursuant to this Covenant shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Owner:

National Ice Company, Inc.
14,400 W. Georgetown Road
Columbus, Indiana 47201

To Department:

IDEM, Office of Land Quality
IGCN-Suite 1154
100 N. Senate Ave.
Mail Code 67-18
Indianapolis, IN 46204-2251
Attn: Kathy Simonson, Leaking Underground Storage
Tank Program

Any party may change its address or the individual to whose attention a notice is to be sent by giving written notice in compliance with this paragraph.

15. Severability. If any portion of this Covenant or other term set forth herein is determined by a court of competent jurisdiction to be invalid for any reason, the surviving portions of this Covenant shall remain in full force and effect as if such portion found invalid had not been included herein.

16. Liability. An Owner's rights and obligations under this instrument terminate upon transfer of the Owner's interest in the Real Estate, except that liability for acts or omissions occurring prior to transfer shall survive transfer.

17. Access to Records. All State public records relating to the release of petroleum or regulated substances at this property may be obtained from the following:

Indiana Department of Environmental Management
Indiana Government Center North, Room 1201
100 North Senate Avenue, mail Code 50-07
Indianapolis, IN 46204-2251
Attention: IDEM Central File Room

18. Authority to Execute and Record. The undersigned persons executing this Covenant on behalf of the Owner represent and certify that they are duly authorized and have been fully empowered to execute, record, and deliver this Covenant.

Owner hereby attests to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, the said Owner of the Real Estate described above has caused this Environmental Restrictive Covenant to be executed on this 20th day of October, 2009.

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, as required by law.

Suzanne Weaver
Secretary

William A. Weaver
President Owner

STATE OF Indiana)
) SS:
COUNTY OF Marion)

Before me, the undersigned, a Notary Public in and for said County and State, personally appeared William A Weaver & Suzanne Weaver the President & Secretary of the Owner, Nation Ice & Co. Inc, who acknowledged the execution of the foregoing instrument for and on behalf of said entity.

Witness my hand and Notarial Seal this 20 day of October, 2009.

F. Robert Lively, Notary Public

Residing in Marion County, Indiana

My Commission Expires: 7-11-15

This instrument prepared by:
Guinn P. Doyle
Barnes & Thornburg LLP
11 South Meridian Street
Indianapolis, Indiana 46204

EXHIBIT A

LEGAL DESCRIPTION OF REAL ESTATE

Lot Number One (1) in Irwin and Jones Addition to the Town, now City, of Columbus, Indiana.

Note: This form approved by Indiana State Bar Association for use in Indiana. Use of this form constitutes practice of law and is limited to practicing lawyers

Form No. 6

8506970

CORPORATE WARRANTY DEED

THIS INDENTURE WITNESSETH, That National Ice & Coal Co., Inc. ("Grantor"), a corporation organized and existing under the laws of the State of Indiana, CONVEYS AND WARRANTS to National Ice Company, Inc. of Bartholomew County, in the State of Indiana, for the sum of One - Dollars ($ 1.00 - - -) and other valuable consideration, the receipt of which is hereby acknowledged, the following described real estate in Bartholomew County, in the State of Indiana:

Lot Numbered One (1) in Irwin and Jones Addition to the Town, now City, of Columbus, Indiana.

DULY ENTERED FOR TAXATION

NOV 05 1985

Ann G. DeVore

Auditor Bartholomew Co., Indiana

85 NOV 5 PM 2 03

Subject to all taxes now a lien.

This conveyance is made and accepted as a partial distribution of the assets of the Grantor, National Ice & Coal Co., Inc, and Indiana Corporation now being liquidated and dissolved, and is a partial liquidating dividend of said corporation duly authorized by the Board of Directors of said corporation to Frances Weaver and assigned by her to Grantee as a tax free incorporation. No Indiana Gross Income tax is due at this time as a result of this conveyance.

The undersigned persons executing this deed on behalf of Grantor represent and certify that they are duly elected officers of Grantor and have been fully empowered, by proper resolution of the Board of Directors of Grantor, to execute and deliver this deed; that Grantor has full corporate capacity to convey the real estate described herein; and that all necessary corporate action for the making of such conveyance has been taken and done.

IN WITNESS WHEREOF, Grantor has caused this deed to be executed this 4th day of November 1985.

National Ice & Coal Co., Inc.
(Name of Corporation)

(SEAL) ATTEST:

By Frances Weaver Sec'y
Signature

Frances Weaver Secretary
Printed Name, and Office

By William H. Weaver V.P.
Signature

William H. Weaver, Vice President
Printed Name, and Office

STATE OF INDIANA)
) SS:
COUNTY OF BARTHOLOMEW)

Before me, a Notary Public in and for said County and State, personally appeared Frances Weaver and William H. Weaver and ____, the Secretary and Vice President, respectively of National Ice & Coal Co., Inc., who acknowledged execution of the foregoing Deed for and on behalf of said Grantor, and who, having been duly sworn, stated that the representations therein contained are true.

Witness my hand and Notarial Seal this 4th day of November, 19 85

My Commission Expires February 3, 1986

Signature Frances C. Richardson

Printed Frances C. Richardson, Notary Public

Bartholomew County Resident

This instrument was prepared by Thomas C. Higley, Jr., attorney at law, SHARPNACK, HIGLEY, DAVID & RUMPLE, 321 Washington Street, Columbus, Indiana

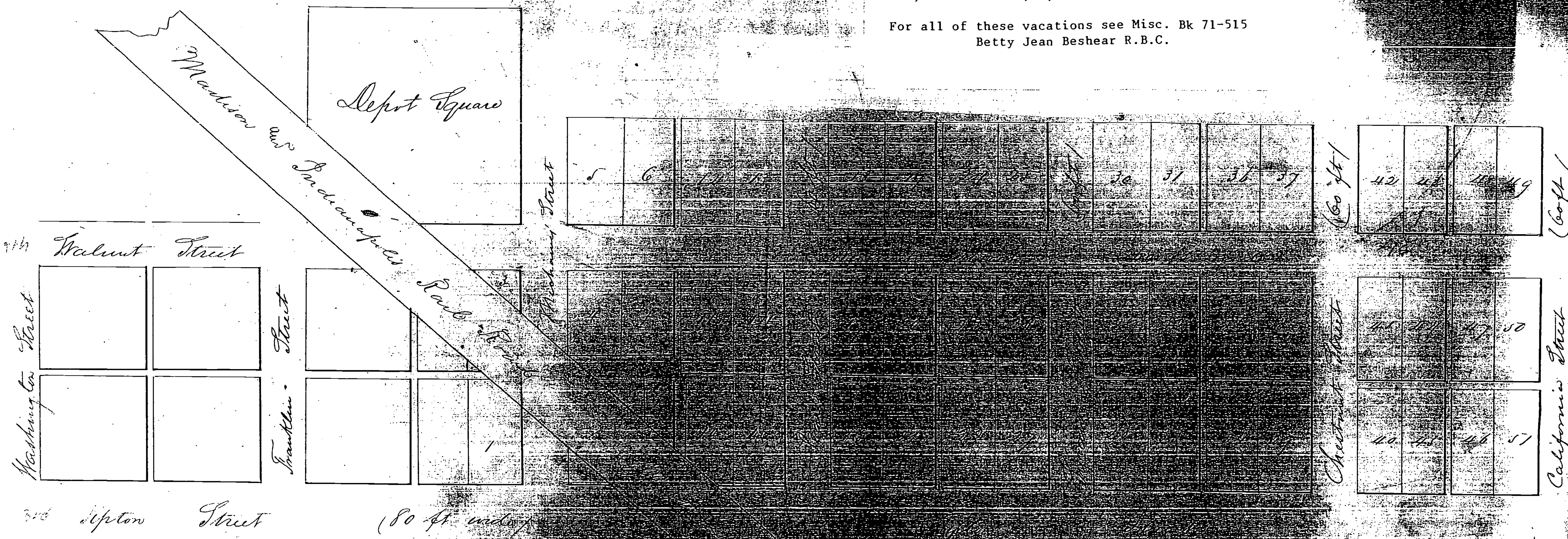
BOOK 319 PAGE 805

& Fifth Streets & Bounded by lots 19,24,87,98 & 99.

For Vacation of East-West alley running between Pearl St. & vacated Sycamore St. & bounded by lots 87,98,99 & 18,19,24 & 25.

For Vacation of East-West alley running between vacated Sycamore Street & Chestnut Street 7 bounded by lots 100, 111,112 & lots 30,31,36 & 37.

For all of these vacations see Misc. Bk 71-515
Betty Jean Beshear R.B.C.



Plan
of an Addition to the
Town of Columbus Indiana
Laid out, March
By
Joseph P.

For Easement & Right to Encroach over pt lot 44 for the benefit of pt lot 44 & pt lot 41 See #96-12853 on 11-6-96

Lot 26 for Survey See Hartsook S
Recorded 11-19-2002 in Plat Book

For Easement over lots 46, 50 &
#2003-24789 recorded 12-8-03

EXHIBIT B

LIST OF CHEMICALS OF CONCERN AND CONCENTRATION LEVELS/DETECTED PARAMETERS

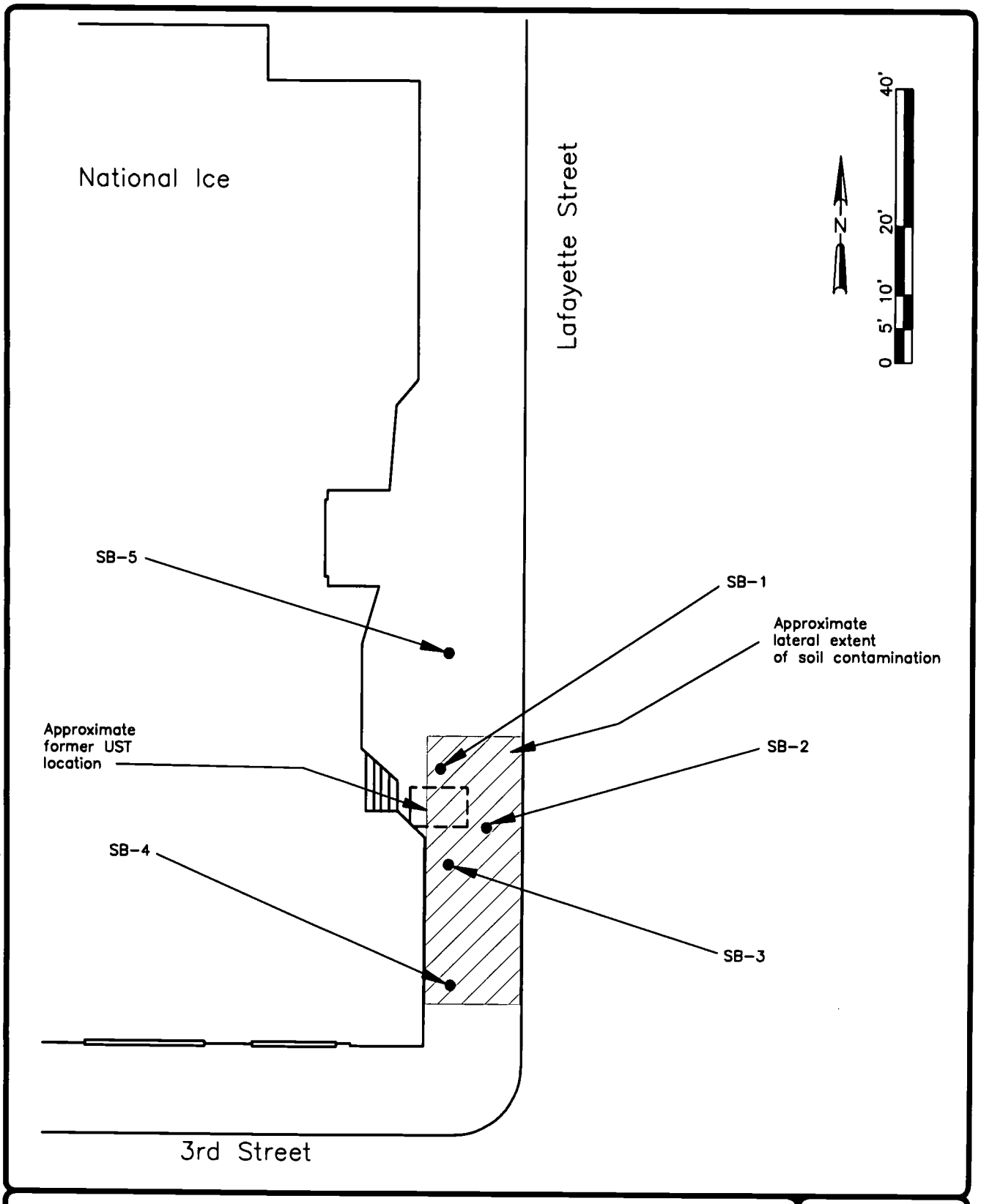
LIST OF CHEMICALS OF CONCERN AND CONCENTRATION LEVELS/DETECTED PARAMETERS

Locations	TPH (Diesel) *
SB-1B (22-23)	680
SB-2B (22-24)	5,000
SB-3B (22-24)	2,600
SB-4B (22-24)	7,400
SB-5B (21-23)	2,100

* TPH (oil), MBTEX & PAH were all ND at all site sampling locations

EXHIBIT C

MAP DEPICTING THE LOCATION OF THE CHEMICALS OF CONCERN



SAMPLE LOCATION PLAN
FORMER NATIONAL ICE CO.
542 THIRD STREET
COLUMBUS, INDIANA 47201

STRAND ASSOCIATES, INC.® ENGINEERS

4-229.001
FIGURE NO. 1

File: H:\4229.001\Boring Plan.DWG Time: Jun 04, 2009 - 2:07pm

Third Quarter 2018 Groundwater Monitoring Report
Former Columbus Wood Treating
53 Lafayette Avenue
Columbus, IN 47201

AUGUST MACK PROJECT #: JS0449.350

PREPARED FOR:

Ms. Dawn Andershock
Project Manager
Indiana Finance Authority
100 North Senate Avenue, Suite 1275
Indianapolis, IN

BY:

August Mack Environmental, Inc.
1302 N. Meridian Street
Suite 300
Indianapolis, IN 46202

ON BEHALF OF:

Ms. Heather Pope
City of Columbus
Redevelopment Commission
123 Washington Street
Columbus, IN 47201

ISSUE DATE:
November 28, 2018

August Mack
ENVIRONMENTAL

August Mack
ENVIRONMENTAL

317.916.8000 ▪ www.augustmack.com
1302 North Meridian Street, Suite 300 ▪ Indianapolis, Indiana 46202

November 28, 2018

Ms. Heather Pope
City of Columbus, Indiana
Columbus Redevelopment Commission
City Hall
123 Washington Street
Columbus, IN 47201

Re: Third Quarter 2018 Groundwater Monitoring Report
Former Columbus Wood Treating
53 Lafayette Avenue
Columbus, Indiana 47201
Brownfields Site Number 4100901
August Mack Project Number JS0449.350

Dear Ms. Pope:

August Mack Environmental, Inc. (August Mack), on behalf of the City of Columbus Redevelopment Commission, is submitting this Third Quarter 2018 Quarterly Groundwater Monitoring Report (QMR) for the above-reference property. This report includes a summary of Site background information and historic investigation activities, a description of field activities, sampling procedures, laboratory analytical results, and conclusions regarding the sampling results.

BACKGROUND INFORMATION

The Former Columbus Wood Treating Plant is located at 53 Lafayette Avenue in Columbus, Indiana (Site). A Site plan has been provided as **Figure 1**. The Site is currently owned by the City of Columbus Redevelopment Commission and encompasses approximately 1.24 acres. Historic Site operations included coal and coke processing from approximately 1885 to 1903. Wood treatment operations, which included the use of creosote for preservation of wood products, began at the Site in the 1920's. The Site ceased treatment operations in 1970 and all Site buildings were destroyed in a fire in 1971. Following the fire, all remnants of the former Site buildings were removed and the Site was covered with foundry sand. No structures currently exist on-Site.

HISTORICAL INVESTIGATION ACTIVITIES

Environmental investigations have been conducted intermittently at the Site from 1999 to 2014. A total of 14 monitoring wells (MW-1 through MW-14) were installed by Haley and Aldrich, Inc. and Bruce Carter Associates, LLC (BCA) between 2008 and 2010. Initial investigations revealed evidence of soil and groundwater impacts associated with historic Site operations. Potential contaminants (PC) identified at the Site include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), and metals.

BCA submitted a *Remediation Work Plan* (RWP) to the Indiana Brownfields Program (IBP) on March 15, 2012, to address soil and groundwater impacts exceeding applicable closure levels. Remediation activities completed at the Site included:

- Removal and disposal of shallow (less than 10 feet below surface grade (ft bg)) impacted soils;
- In-situ soil solidification/stabilization of deep impacted unsaturated soils; and,
- The removal and disposal of an Underground Storage Tank (UST) and associated contents.

Following completion of remedial activities identified above, the treatment area was backfilled with clean overburden soil, covered with an impermeable geomembrane, and capped with clean overburden, topsoil, and vegetation.

Per the *RWP Addendum 2*, the following investigation activities were completed to further delineate impacted soil and groundwater impacts related to the Site:

- Installation of 20 groundwater monitoring wells;
- Advancement of five (5) temporary groundwater monitoring points; and,
- The completion of multiple soil borings.

The additional delineation effort was completed both on- and off-Site between 2012 and 2014. Post-remediation groundwater sampling in 2013 indicated off-Site groundwater impacts were delineated in each cardinal direction with the exception of the west. Additionally, measurable dense non-aqueous phase liquid (DNAPL) was observed in wells across the Site and off-Site. With IBP approval, four (4) up-gradient monitoring wells were abandoned (MW-1, MW-3, MW-5, and MW-8) during this time period.

To evaluate the connectivity of the Site's aquifer to the Flatrock River, August Mack installed four (4) piezometers along the River bank in First Quarter 2018. The piezometers will be gauged during the routine quarterly sampling events and the information will be evaluated along with river gauge information from the nearest United States Geological Services (USGS) gauging station, located between the State Road 46 bridges. Results from this assessment will be submitted as part of the *Lines of Evidence* in the Request for Closure Report, expected to be submitted to Indiana Brownfields during the First Quarter of 2019.

GROUNDWATER MONITORING ACTIVITIES

Groundwater Gauging

August Mack mobilized to the Site on September 25, 2018 to perform Third Quarter 2018 groundwater sampling activities. Prior to collecting groundwater samples, depth-to-water measurements were collected from the entire monitoring well network[1], three (3) monitoring points (MP-1, MP-2, and MP-3), and four (4) piezometers (PZ-1 through PZ-4) using an oil-water interface (OWI) meter. The depth to water measurements, along with top of casing elevation data, were used to create groundwater potentiometric surface maps, provided as **Figure 2** and **Figure 3** for the shallow and deep monitoring wells, respectively. Based on the data collected during historical sampling events, as well as the Third Quarter 2018 sampling events, the groundwater flow direction at the Site is generally towards the west/southwest. The specific field procedures used for measuring the groundwater elevations are included in **Appendix A**. Monitoring well data, including depth-to-water measurements are presented in **Table 1.** A summary of current and historic well gauging data is presented on **Table 2.**

Free Product Evaluation

In addition to collecting depth to water measurements, the OWI meter was used to check for the presence of free product in each monitoring well, monitoring point, and piezometer. DNAPL was encountered in six (6) monitoring wells (MW-2, MW-13D, MW-15, MW-16, MW-17D, and MW-24D). Evidence of DNAPL was also observed on the OWI sensor during the gauging of MP-1. The specific field procedures used to measure for the presence of free product are included as **Appendix A**. Monitoring well information, including total free product thickness data, collected during Third Quarter 2018 are presented on **Table 1**, and depicted on **Figure 4A** and **Figure 5A.** A summary of historic free product thickness is presented on **Table 2.**

Groundwater Sampling

During Third Quarter 2018 sampling, groundwater samples were collected from 18[2] of the 31[3] existing on-Site and off-Site monitoring wells. Six (6) monitoring wells (MW-2, MW-13D, MW-15, MW-16, MW-17D, and MW-24D) were not sampled due to the presence of free product, while one (1) monitoring well (MW-19D) was bent and severely damaged, preventing sampling. Monitoring wells were sampled in general accordance with United States Environmental Protection Agency (U.S. EPA) low-flow sampling procedures. A summary of field procedures is included as **Appendix A.** Groundwater sampling/purge records are included as **Appendix B**.

All groundwater samples were placed directly into laboratory-supplied sample containers with appropriate preservatives, labeled, placed on ice and submitted to Pace

[1] Due to well casing damage, MW-19D was not gauged during the Third Quarter 2018 sampling event.
[2] Based on discussions with Brownfields representatives during conference call on March 29, 2018.
[3] After the discovery of MW-28D in March 2017, the size of the active monitoring well network was increased from 30 to 31.

Analytical Services, LLC (Pace) in Indianapolis, Indiana along with complete chain-of-custody documentation for analysis of the following constituents:

- VOCs using U.S. EPA Method SW-846-8260;
- SVOCs using U.S. EPA Method SW-846-8270;
- PAHs using U.S. EPA Method SW-846-8270 SIM[4]; and,
- Hexavalent Chromium U.S. EPA Method SW-846-7199

In addition, groundwater samples collected from select monitoring wells were analyzed for the following constituents:

- Pentachlorophenol (PCP) using U.S. EPA Method SW-846-8151; and,
- Total and Dissolved Arsenic using U.S. EPA Method SW-846-6010.

For quality assurance/quality control (QA/QC) purposes, one (1) duplicate sample (MW-DUP-1 from MW-26D) and one (1) matrix spike/matrix spike duplicate (MS/MSD) sample was collected during the quarterly sampling event. Analytical results from the MW-26D duplicate and parent samples demonstrated poor precision for the SVOC Scan and PAH SIM analyses. The parent sample results are congruous with historical results. Corrective actions did not readily indicate a field or laboratory error. The duplicate sample results for these analyte suites will be considered unusable and will be presented for reference only. Additionally, one (1) equipment blank (EB-1) and three (3) trip blanks (TB-1 through TB-3) were collected during Third Quarter 2018.

[4] Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene are reported exclusively from U.S. EPA 8270 SIM extractable analysis.

Groundwater Analytical Results

Laboratory analytical results were compared to the IDEM Remediation Closure Guide (RCG) 2018 Screening Levels (SLs). The following PCs were reported above their respective IDEM RCG 2018 SLs during the Third Quarter 2018 (specific exceedances in associated wells are presented on **Table 3**):

VOCs:	**SVOCs**:	**PAHs:**	**Metals**:
Benzene	Dibenzofuran	Benzo(a)-anthrance	Arsenic (Total & Dissolved)
	Pentachlorophenol (as pesticide via 8151)	1-Methylnaphthalene	Hexavalent Chromium
		2-Methylnaphthalene	
		Naphthalene	

No other PC concentrations were reported above their respective IDEM RCG 2018 SLs[5]. A summary of groundwater analytical results is presented on **Table 3** and are depicted on **Figure 4B** through **Figure 4D, Figure 5B** through **Figure 5D,** and **Figure 6A** through **Figure 6C.** Copies of the laboratory analytical reports and associated chain-of-custody documentations are included in **Appendix C**.

SUMMARY AND CONCLUSIONS

August Mack has completed the Third Quarter 2018 groundwater sampling event at the Site. Based on the laboratory analytical results, PC concentrations above IDEM RCG 2018 SLs are present in shallow and deep monitoring wells and extend off-Site to the west. In addition, DNAPL was identified in six (6) monitoring wells during this sampling event and one (1) monitoring point near the centerline of the dissolved groundwater plume.

August Mack will continue quarterly groundwater monitoring activities at the Site during the Fourth Quarter of 2018. The Fourth Quarter 2018 groundwater monitoring is scheduled for December 2018 and a quarterly monitoring report will be submitted to the IBP, along with a Request for Closure. Please feel free to contact us if you have any questions or comments, or require additional information regarding this project or the project site.

Sincerely,

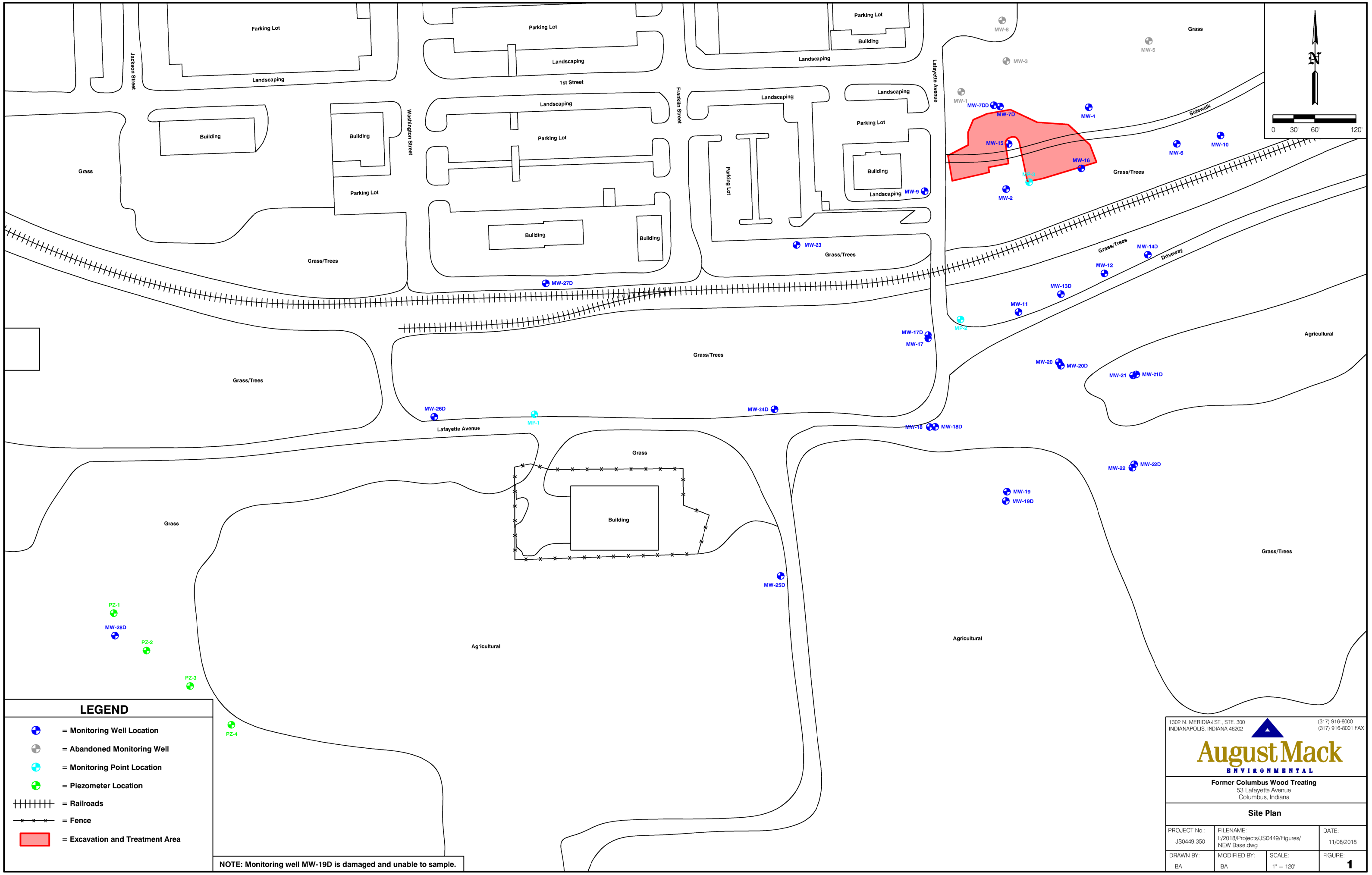
Pilar E. Cuadra, LPG
Project Manager

Sarah E. Young, CHMM
Senior Manager

Attachments

[5] Laboratory reporting limits for several constituents were above their respective IDEM RCG 2018 SLs due to dilution and/or analytical method. In addition, several analyzed constituents do not have established Default Closure Levels.

FIGURES



LEGEND

- = Monitoring Well Location
- = Abandoned Monitoring Well
- = Monitoring Point Location
- = Piezometer Location
- = Railroads
- = Fence
- = Excavation and Treatment Area

NOTE: Monitoring well MW-19D is damaged and unable to sample.

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Site Plan

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/NEW Base.dwg		11/08/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
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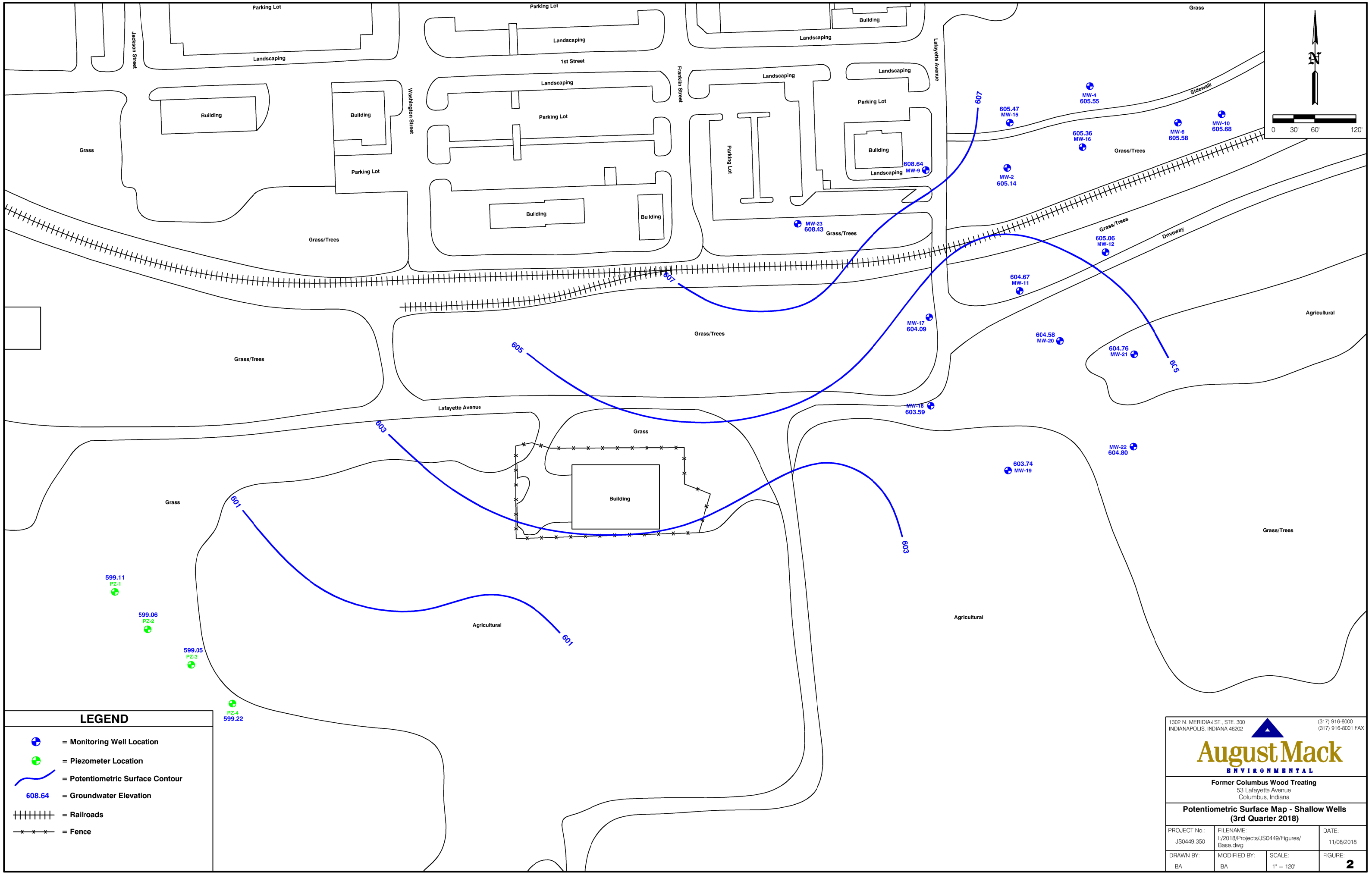

LEGEND

- = Monitoring Well Location
- = Piezometer Location
- = Potentiometric Surface Contour
- 608.64 = Groundwater Elevation
- = Railroads
- = Fence

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Potentiometric Surface Map - Shallow Wells (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/08/2018
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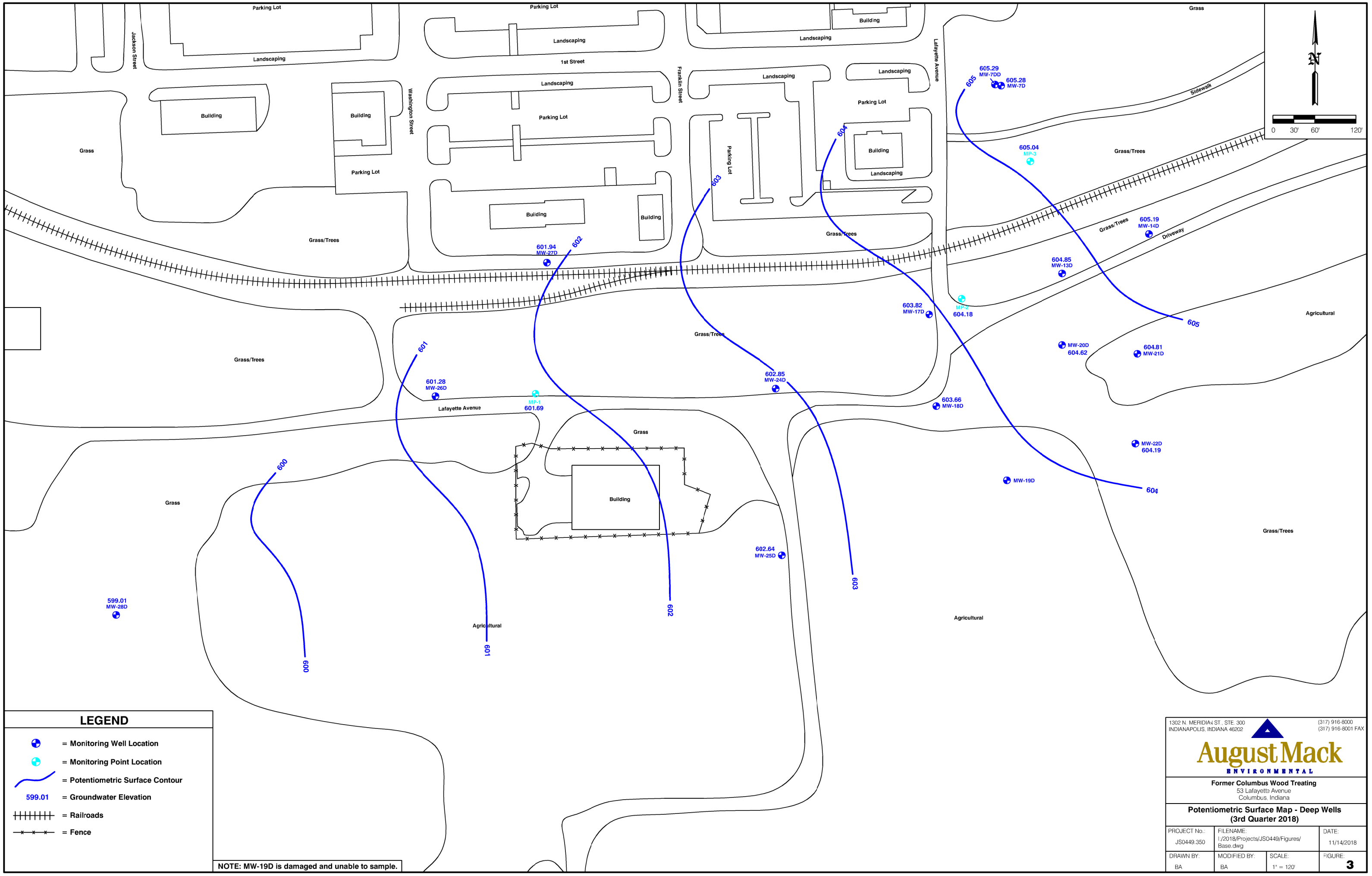

LEGEND

- = Monitoring Well Location
- = Monitoring Point Location
- = Potentiometric Surface Contour
- 599.01 = Groundwater Elevation
- = Railroads
- = Fence

NOTE: MW-19D is damaged and unable to sample.

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Potentiometric Surface Map - Deep Wells (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
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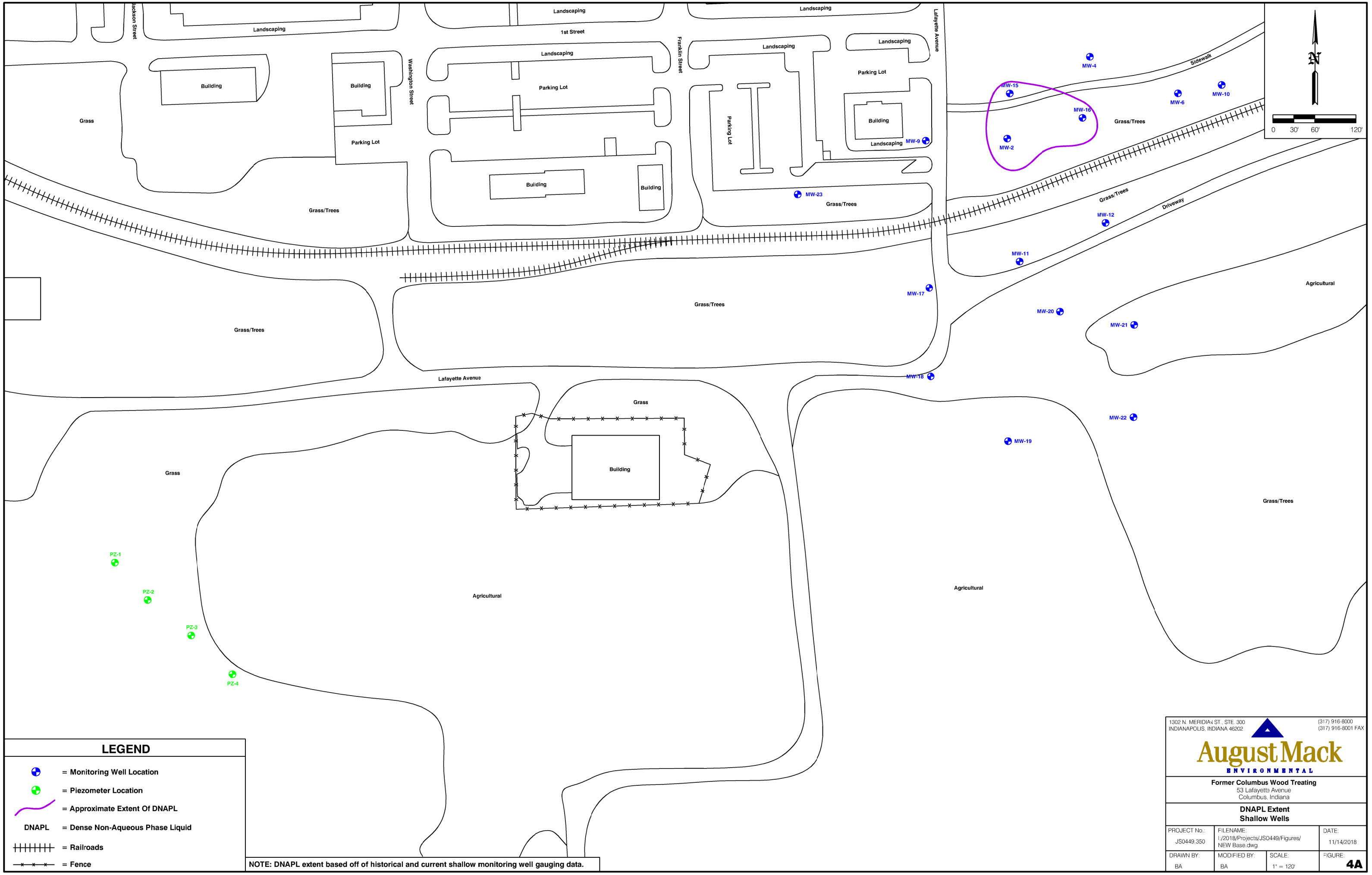

LEGEND

- = Monitoring Well Location
- = Piezometer Location
- = Approximate Extent Of DNAPL
- DNAPL = Dense Non-Aqueous Phase Liquid
- = Railroads
- = Fence

NOTE: DNAPL extent based off of historical and current shallow monitoring well gauging data.

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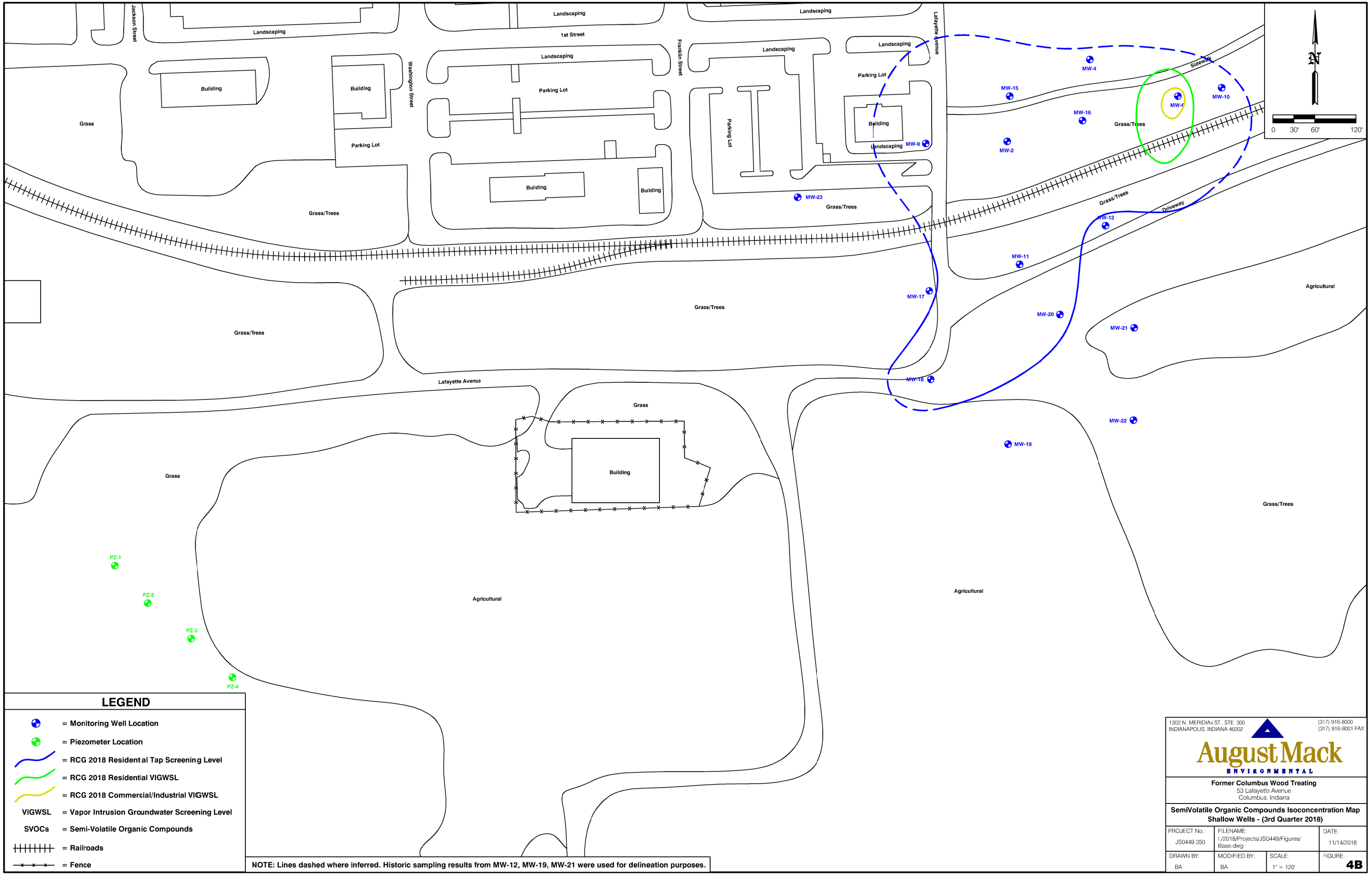
DNAPL Extent
Shallow Wells

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/NEW Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	**4A**



LEGEND

- = Monitoring Well Location
- = Piezometer Location
- = RCG 2018 Residential Tap Screening Level
- = RCG 2018 Residential VIGWSL
- = RCG 2018 Commercial/Industrial VIGWSL
- VIGWSL = Vapor Intrusion Groundwater Screening Level
- SVOCs = Semi-Volatile Organic Compounds
- = Railroads
- = Fence

NOTE: Lines dashed where inferred. Historic sampling results from MW-12, MW-19, MW-21 were used for delineation purposes.

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SemiVolatile Organic Compounds Isoconcentration Map
Shallow Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	**4B**

Parking Lot
Jackson Street
Landscaping
Parking Lot
Landscaping
1st Street
Building
Landscaping
Landscaping
Building
Franklin Street
Lafayette Avenue
Grass
Building
Building
Washington Street
Landscaping
Parking Lot
Parking Lot
Landscaping
Parking Lot
Landscaping
Building
Landscaping
MW-9
MW-4
Sidewalk
MW-15
MW-6
MW-10
MW-16
Grass/Trees
MW-2
Grass
Building
Parking Lot
Buliding
Building
MW-23
Grass/Trees
Grass/Trees
Grass/Trees
Driveway
MW-12
MW-11
MW-17
Agricultural
Grass/Trees
MW-20
MW-21
Lafayette Avenue
MW-18
Grass
Building
MW-22
MW-19
Grass
Grass/Trees
Agricultural
Agricultural
PZ-1
PZ-2
PZ-3
PZ-4
N
0 30' 60' 120'

LEGEND

- = Monitoring Well Location
- = Piezometer Location
- = RCG 2018 Residential Tap Screening Level
- = Railroads
- = Fence

NOTE: Lines dashed where inferred. Historic sampling results from MW-4, MW-10, and MW-12 were used for delineation purposes.

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Dissolved Metals Isoconcentration Map
Shallow Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	4C

Parking Lot
Landscaping
Jackson Street
Building
Grass
Grass/Trees
Parking Lot
Landscaping
1st Street
Washington Street
Building
Parking Lot
Landscaping
Franklin Street
Building
Building
Parking Lot
Landscaping
Building
Landscaping
Parking Lot
Landscaping
Building
Landscaping
MW-9
MW-23
Grass/Trees
Lafayette Avenue
Grass
Sidewalk
MW-4
MW-15
MW-6
MW-10
MW-16
Grass/Trees
MW-2
Grass/Trees
Driveway
MW-12
MW-11
Grass/Trees
MW-17
Agricultural
MW-20
MW-21
MW-18
Lafayette Avenue
Grass
Building
MW-22
MW-19
Grass
Agricultural
Agricultural
Grass/Trees
PZ-1
PZ-2
PZ-3
PZ-4
N
0 30' 60' 120'

LEGEND

- = Monitoring Well Location
- = Piezometer Location
- = RCG 2018 Residential Tap Screening Level
- = Railroads
- = Fence

NOTE: Lines dashed where inferred.

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Hexavalent Chromium Isoconcentration Map
Shallow Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
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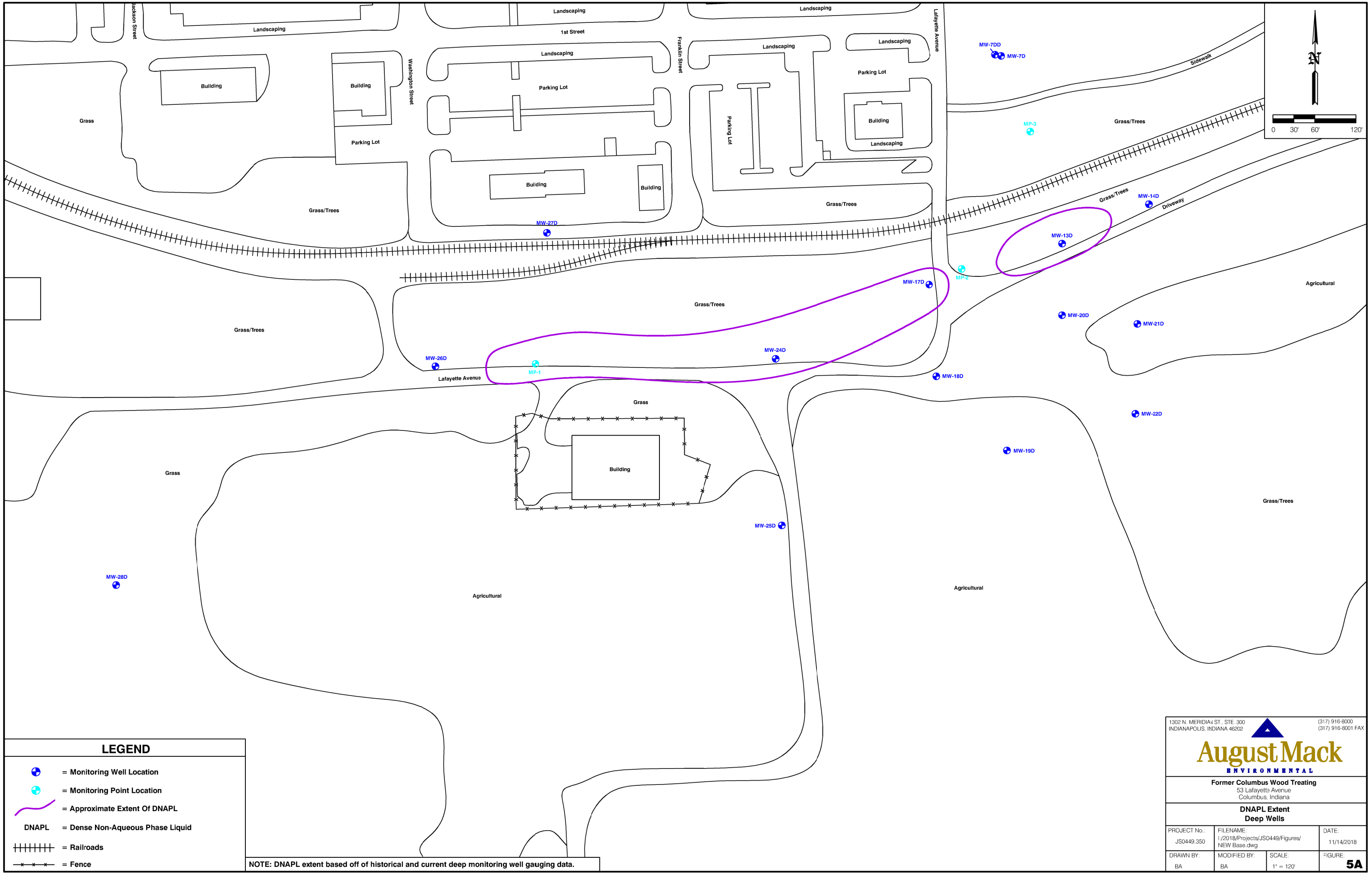

LEGEND

- = Monitoring Well Location
- = Monitoring Point Location
- = Approximate Extent Of DNAPL
- DNAPL = Dense Non-Aqueous Phase Liquid
- = Railroads
- = Fence

NOTE: DNAPL extent based off of historical and current deep monitoring well gauging data.

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DNAPL Extent
Deep Wells

PROJECT No.:	FILENAME:		DATE:
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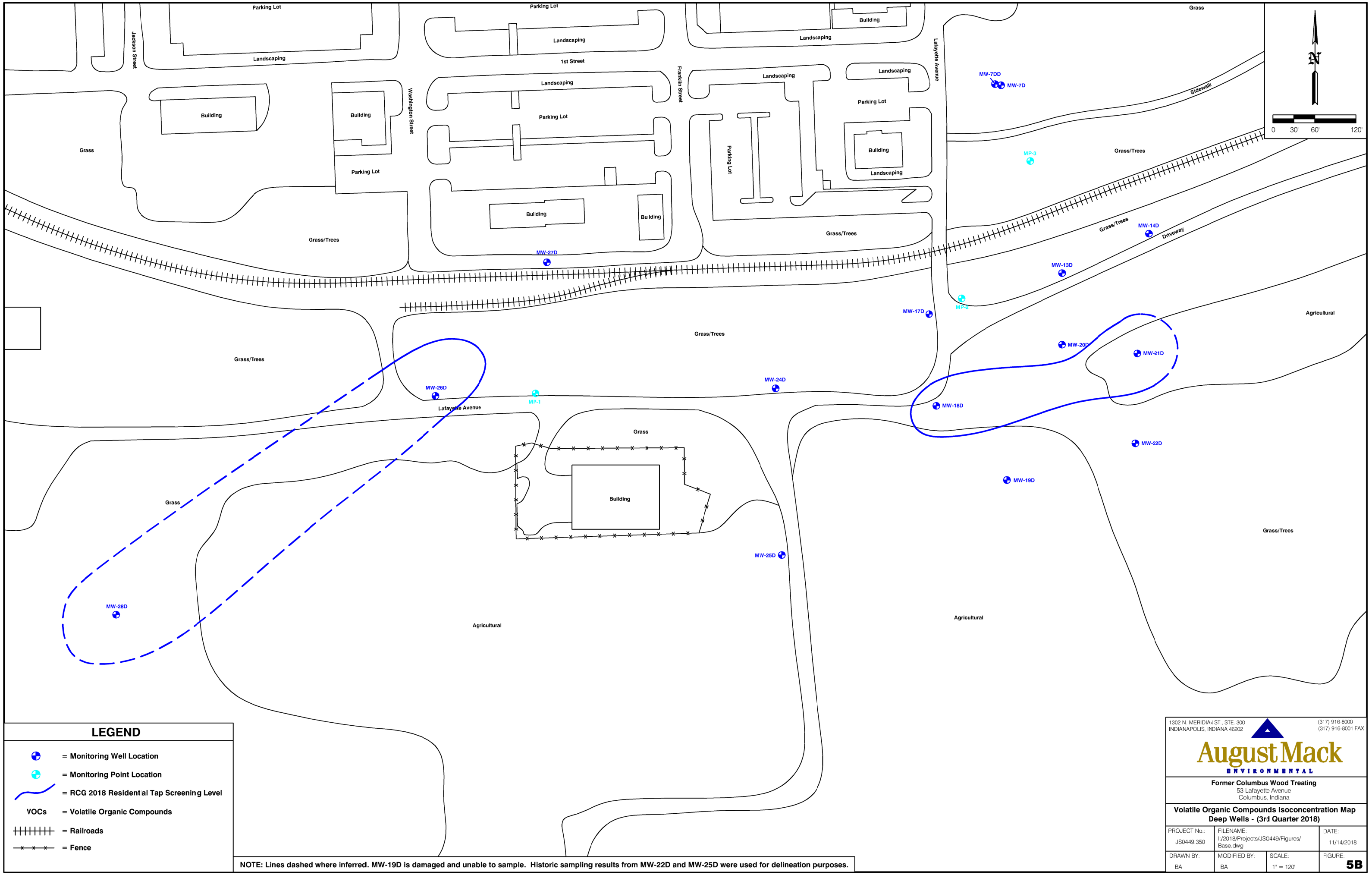

LEGEND

- = Monitoring Well Location
- = Monitoring Point Location
- = RCG 2018 Residential Tap Screening Level
- VOCs = Volatile Organic Compounds
- = Railroads
- = Fence

NOTE: Lines dashed where inferred. MW-19D is damaged and unable to sample. Historic sampling results from MW-22D and MW-25D were used for delineation purposes.

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Volatile Organic Compounds Isoconcentration Map Deep Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	5B

Parking Lot
Landscaping
Jackson Street
Building
Grass
Grass/Trees
Parking Lot
Landscaping
1st Street
Washington Street
Building
Parking Lot
Building
Building
MW-27D
Franklin Street
Landscaping
Parking Lot
Parking Lot
Landscaping
Building
Landscaping
Grass/Trees
Parking Lot
Building
Landscaping
Lafayette Avenue
Grass
MW-7DD
MW-7D
Sidewalk
MP-3
Grass/Trees
Grass/Trees
MW-14D
Driveway
MW-13D
MP-2
MW-17D
Grass/Trees
Agricultural
MW-20D
MW-21D
Grass/Trees
MW-26D
MP-1
Lafayette Avenue
MW-24D
MW-18D
Grass
Building
MW-22D
MW-19D
Grass
Grass/Trees
MW-25D
MW-28D
Agricultural
Agricultural
N
0 30' 60' 120'

LEGEND

- = Monitoring Well Location
- = Monitoring Point Location
- = RCG 2018 Residential Tap Screening Level
- SVOCs = Semi-Volatile Organic Compounds
- = Railroads
- = Fence

NOTE: Lines dashed where inferred. MW-19D is damaged and unable to sample. Historic sampling results from MW-22D and MW-25D were used for delineation purposes.

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SemiVolatile Organic Compounds Isoconcentration Map
Deep Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	5C

Parking Lot
Landscaping
Jackson Street
Building
Grass
Grass/Trees
Parking Lot
Washington Street
Building
Landscaping
1st Street
Parking Lot
Building
Building
MW-27D
Franklin Street
Landscaping
Parking Lot
Parking Lot
Landscaping
Building
Landscaping
Grass/Trees
Lafayette Avenue
Grass
MW-7DD
MW-7D
Sidewalk
MP-3
Grass/Trees
Grass/Trees
MW-14D
Driveway
MW-13D
MP-2
MW-17D
Grass/Trees
Agricultural
MW-20D
MW-21D
MW-24D
MW-26D
MP-1
Lafayette Avenue
MW-18D
Grass
MW-22D
Building
MW-19D
Grass
Grass/Trees
MW-25D
MW-28D
Agricultural
Agricultural
N
0 30' 60' 120'

LEGEND

= Monitoring Well Location

= Monitoring Point Location

= RCG 2018 Residential Tap Screening Level

= Railroads

= Fence

NOTE: Lines dashed where inferred. MW-19D is damaged and unable to sample.

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Dissolved Metals Isoconcentration Map
Deep Wells - (3rd Quarter 2018)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/Base.dwg		11/14/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	5D

Potential Contaminants	2018 IDEM RCG RESIDENTIAL TAP SLs (^)	2018 IDEM RCG RESIDENTIAL VIGWSLs (*)	2018 IDEM RCG COM/IND VIGWSLs (**)
Benzene	5.0	28	120
1,2,4-TMB	56	NE	NE
1,3,5-TMB	60	NE	NE
Benzo(a)-Anthracene	0.3	NE	NE
Benzo(b)-Fluoranthene	0.2	NE	NE
Benzo(a)-Pyrene	2.5	NE	NE
Dibenzofuran	7.9	NE	NE
1-MN	11	NE	NE
2-MN	36	NE	NE
Naphthalene	1.7	110	460
Pentachloro-phenol	1.0	NE	NE
Phenanthrene	NE	NE	NE
Arsenic	10	NE	NE
Arsenic, Dissolved	10	NE	NE
Chromium	100	NE	NE
Hexavalent Chromium	0.35	NE	NE

Abbreviations and Notes:

All results reported in micrograms per liter (µg/L).

IDEM = Indiana Department of Environmental Management

RCG = Remediation Closure Guide; NE = Not Established; SL = Screening Level; NA = Not Analyzed

E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.

(COM/IND)VIGWSLs = (Commercial/Industrial) Vapor Intrusion Ground Water Screening Levels

VOCs = Volatile Organic Compounds; SVOCs = Semi-volatile Organic Compounds; ft= feet

< RCGSLs = Constituent concentrations reported below their respective RCG SLs or as below laboratory RLs.

Groundwater samples not collected from MW-2, 13D, 15, 16, 17D, or 24D due to free phase product encountered.

^ = Result exceeds 2018 IDEM RCG RESIDENTIAL TAP SLs

*,^ = Result exceeds 2018 IDEM RCG RESIDENTIAL VIGWSLs

**,^ = Result exceeds 2018 IDEM RCG COM/IND VIGWSLs

MW-27D	09/27/2018	
Benzene	<5.0	
1,2,4-TMB	<5.0	
1,3,5-TMB	<5.0	
All Remaining VOCs	< RCGSLs	

MW-9	09/26/2018
Benzene	<5.0
1,2,4-TMB	5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-2	09/25/2018
DNAPL Thickness (ft)	0.95

MW-7DD	09/26/2018
Benzene	<5.0
1,2,4-TMB	50.6
1,3,5-TMB	24.0
All Remaining VOCs	< RCGSLs

MW-15	09/25/2018
DNAPL Thickness (ft)	1.09

MW-4	09/26/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-16	09/25/2018
DNAPL Thickness (ft)	1.56

MW-10	09/26/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-6	09/26/2018
Benzene	<5.0
1,2,4-TMB	13.5
1,3,5-TMB	5.7
All Remaining VOCs	< RCGSLs

MW-14D	09/26/2018
Benzene	<5.0
1,2,4-TMB	5.6
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-13D	09/25/2018
DNAPL Thickness (ft)	1.63

MW-11	09/26/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-21D	09/27/2018	
Benzene	5.9	^
1,2,4-TMB	31.5	
1,3,5-TMB	10.5	
All Remaining VOCs	< RCGSLs	

MW-20	09/26/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-20D	09/26/2018	
Benzene	<50.0	E
1,2,4-TMB	<50.0	
1,3,5-TMB	<50.0	
All Remaining VOCs	< RCGSLs	

MW-22	09/27/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-17D	09/25/2018
DNAPL Thickness (ft)	1.19

MW-24D	09/25/2018
DNAPL Thickness (ft)	5.08

MW-26D	09/27/2018		DUP-1	
Benzene	12.5	^	12.0	^
1,2,4-TMB	44.3		42.2	
1,3,5-TMB	17.2		17.1	
All Remaining VOCs	< RCGSLs		< RCGSLs	

MW-28D	09/26/2018	
Benzene	7.3	^
1,2,4-TMB	<5.0	
1,3,5-TMB	<5.0	
All Remaining VOCs	< RCGSLs	

MW-19D	09/27/2018
Well damaged/unable to sample	

MW-17	09/26/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-18	09/27/2018
Benzene	<5.0
1,2,4-TMB	<5.0
1,3,5-TMB	<5.0
All Remaining VOCs	< RCGSLs

MW-18D	09/27/2018	
Benzene	5.2	^
1,2,4-TMB	48.7	
1,3,5-TMB	17.5	
All Remaining VOCs	< RCGSLs	

N

0 30' 60' 120'

Parking Lot
Landscaping
1st Street
Building
Washington Street
Franklin Street
Lafayette Avenue
Sidewalk
Grass/Trees
Grass
Driveway
Agricultural

MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7D MW-7DD MW-8 MW-9 MW-10 MW-11 MW-12 MW-13D MW-14D MW-15 MW-16 MW-17 MW-17D MW-18 MW-18D MW-19 MW-19D MW-20 MW-20D MW-21 MW-21D MW-22 MW-22D MW-23 MW-24D MW-25D MW-26D MW-27D MW-28D

LEGEND

- = Monitoring Well Location
- = Abandoned Monitoring Well
- = Railroads
- = Fence

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August Mack ENVIRONMENTAL

Former Columbus Wood Treating
53 Lafayette Avenue
Columbus, Indiana

Groundwater Analytical Results Map (3rd Quarter 2018 - VOCs)

PROJECT No.:	FILENAME:	DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/NEW Base.dwg	11/08/2018
DRAWN BY: BA	MODIFIED BY: BA	SCALE: 1" = 120'
		FIGURE: 6A

Potential Contaminants	2018 IDEM RCG RESIDENTIAL TAP SLs (^)	2018 IDEM RCG RESIDENTIAL VIGWSLs (*)	2018 IDEM RCG COM/IND VIGWSLs (**)
Benzene	5.0	28	120
1,2,4-TMB	56	NE	NE
1,3,5-TMB	60	NE	NE
Benzo(a)-Anthracene	0.3	NE	NE
Benzo(b)-Fluoranthene	0.2	NE	NE
Benzo(a)-Pyrene	2.5	NE	NE
Dibenzofuran	7.9	NE	NE
1-MN	11	NE	NE
2-MN	36	NE	NE
Naphthalene	1.7	110	460
Pentachloro-phenol	1.0	NE	NE
Phenanthrene	NE	NE	NE
Arsenic	10	NE	NE
Arsenic, Dissolved	10	NE	NE
Hexavalent Chromium	0.35	NE	NE

Abbreviations and Notes:

All results reported in micrograms per liter (µg/L).

IDEM = Indiana Department of Environmental Management

RCG = Remediation Closure Guide; NE = Not Established; SL = Screening Level; NA = Not Analyzed

E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.

(COM/IND)VIGWSLs = (Commercial/Industrial) Vapor Intrusion Ground Water Screening Levels

VOCs = Volatile Organic Compounds; SVOCs = Semi-volatile Organic Compounds; ft= feet

< RCGSLs = Constituent concentrations reported below their respective RCG SLs or as below laboratory RLs.

Groundwater samples not collected from MW-2, 13D, 15, 16, 17D, or 24D due to free phase product encountered.

^ = Result exceeds 2018 IDEM RCG RESIDENTIAL TAP SLs

*,^ = Result exceeds 2018 IDEM RCG RESIDENTIAL VIGWSLs

**,^ = Result exceeds 2018 IDEM RCG COM/IND VIGWSLs

MW-27D	09/27/2018	
Dibenzofuran	<10.0	E
1-MN	<1.0	
2-MN	<1.0	
Naphthalene	<1.0	
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-9	09/26/2018	
Benzo(a)Anthracene	0.31	^
Benzo(b)Fluoranthene	<0.100	
Dibenzofuran	36.4	^
1-MN	25.4	^
2-MN	3.6	
Naphthalene	99.2	^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	22.8	
All Remaining SVOCs	< RCGSLs	

MW-2	09/25/2018
DNAPL Thickness (ft)	0.95

MW-7DD	09/26/2018	
Benzo(a)Anthracene	0.32	^
Dibenzofuran	160	^
1-MN	346	^
2-MN	146	^
Naphthalene	1,010	**,^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	153	
All Remaining SVOCs	< RCGSLs	

MW-15	09/25/2018
DNAPL Thickness (ft)	1.09

MW-4	09/26/2018	
Benzo(a)Anthracene	0.18	
Benzo(b)Fluoranthene	<0.110	
Benzo(a)Pyrene	<0.110	
Dibenzofuran	44.3	^
1-MN	14.4	^
2-MN	<1.1	
Naphthalene	2.4	^
Pentachlorophenol [1]	<53.8	E
Pentachlorophenol [2]	<1.0	
Phenanthrene	3.8	
All Remaining SVOCs	< RCGSLs	

MW-16	09/25/2018
DNAPL Thickness (ft)	1.56

MW-10	09/26/2018	
Benzo(a)Anthracene	0.63	^
Benzo(b)Fluoranthene	<0.100	
Dibenzofuran	<10.0	E
2-MN	<1.0	
Naphthalene	<1.0	
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-6	09/26/2018	
Benzo(a)Anthracene	0.28	
Benzo(b)Fluoranthene	0.12	
Dibenzofuran	125	^
1-MN	61.7	^
2-MN	42.3	^
Naphthalene	977	**,^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	1.0	^
Phenanthrene	13.4	
All Remaining SVOCs	< RCGSLs	

MW-14D	09/26/2018	
Benzo(a)Anthracene	0.30	^
Benzo(b)Fluoranthene	<0.100	
Benzo(a)Pyrene	0.14	
Dibenzofuran	142	^
1-MN	106	^
2-MN	43.6	^
Naphthalene	146	*,^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	<1.0	
Phenanthrene	97.0	
All Remaining SVOCs	< RCGSLs	

MW-13D	09/25/2018
DNAPL Thickness (ft)	1.63

MW-11	09/26/2018	
Dibenzofuran	136	^
1-MN	141	^
2-MN	87.5	^
Naphthalene	3.4	^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	94.4	
All Remaining SVOCs	< RCGSLs	

MW-21D	09/27/2018	
Benzo(b)Fluoranthene	<0.100	
Dibenzofuran	61.4	^
1-MN	68.8	^
2-MN	187	^
Naphthalene	1,810	**,^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	<1.1	E
Phenanthrene	51.6	
All Remaining SVOCs	< RCGSLs	

MW-22	09/27/2018	
Dibenzofuran	<10.0	E
2-MN	<1.0	
Naphthalene	<1.0	
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-17D	09/25/2018
DNAPL Thickness (ft)	1.19

MW-24D	09/25/2018
DNAPL Thickness (ft)	5.08

MW-26D	09/27/2018	
Dibenzofuran	71.9	^
1-MN	250	^
2-MN	356	^
Naphthalene	1,020	**,^
Pentachlorophenol [1]	<59.5	E
Pentachlorophenol [2]	<1.0	
Phenanthrene	7.3	
All Remaining SVOCs	< RCGSLs	

MW-28D	09/26/2018	
Dibenzofuran	<10.0	E
1-MN	61.0	^
2-MN	17.3	
Naphthalene	2.4	^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-19D	09/27/2018
Well damaged/unable to sample	

MW-17	09/26/2018	
Dibenzofuran	<10.0	E
2-MN	<1.0	
Naphthalene	<1.0	
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	<1.1	E
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-18	09/27/2018	
Dibenzofuran	<12.5	E
1-MN	92.7	^
2-MN	10.2	
Naphthalene	1.9	^
Pentachlorophenol [1]	<62.5	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.2	
All Remaining SVOCs	< RCGSLs	

MW-18D	09/27/2018	
Benzo(a)Anthracene	0.18	
Benzo(b)Fluoranthene	<0.110	
Dibenzofuran	71.2	^
1-MN	76.9	^
2-MN	166	^
Naphthalene	1,260	**,^
Pentachlorophenol [1]	<52.6	E
Pentachlorophenol [2]	NA	
Phenanthrene	54.1	
All Remaining SVOCs	< RCGSLs	

MW-20	09/26/2018	
Dibenzofuran	<10.0	E
2-MN	<1.0	
Naphthalene	<1.0	
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	NA	
Phenanthrene	<1.0	
All Remaining SVOCs	< RCGSLs	

MW-20D	09/26/2018	
Benzo(a)Anthracene	0.35	^
Benzo(b)Fluoranthene	<0.100	
Dibenzofuran	62.0	^
1-MN	63.5	^
2-MN	95.4	^
Naphthalene	1,080	**,^
Pentachlorophenol [1]	<50.0	E
Pentachlorophenol [2]	<1.0	
Phenanthrene	46.4	
All Remaining SVOCs	< RCGSLs	

LEGEND

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August Mack ENVIRONMENTAL

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Columbus, Indiana

Groundwater Analytical Results Map (3rd Quarter 2018 - SVOCs)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/NEW Base.dwg		11/12/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	6B

Potential Contaminants	2018 IDEM RCG RESIDENTIAL TAP SLs (^)	2018 IDEM RCG RESIDENTIAL VIGWSLs (*)	2018 IDEM RCG COM/IND VIGWSLs (**)
Benzene	5.0	28	120
1,2,4-TMB	56	NE	NE
1,3,5-TMB	60	NE	NE
Benzo(a)-Anthracene	0.3	NE	NE
Benzo(b)-Fluoranthene	0.2	NE	NE
Benzo(a)-Pyrene	2.5	NE	NE
Dibenzofuran	7.9	NE	NE
1-MN	11	NE	NE
2-MN	36	NE	NE
Naphthalene	1.7	110	460
Pentachloro-phenol	1.0	NE	NE
Phenanthrene	NE	NE	NE
Arsenic	10	NE	NE
Arsenic, Dissolved	10	NE	NE
Hexavalent Chromium	0.35	NE	NE

Abbreviations and Notes:

All results reported in micrograms per liter (µg/L).

IDEM = Indiana Department of Environmental Management

RCG = Remediation Closure Guide; NE = Not Established; SL = Screening Level; NA = Not Analyzed

E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.

(COM/IND)VIGWSLs = (Commercial/Industrial) Vapor Intrusion Ground Water Screening Levels

VOCs = Volatile Organic Compounds; SVOCs = Semi-volatile Organic Compounds; ft= feet

< RCGSLs = Constituent concentrations reported below their respective RCG SLs or as below laboratory RLs.

Groundwater samples not collected from MW-2, 13D, 15, 16, 17D, or 24D due to free phase product encountered.

^ = Result exceeds 2018 IDEM RCG RESIDENTIAL TAP SLs

*;^ = Result exceeds 2018 IDEM RCG RESIDENTIAL VIGWSLs

**;^ = Result exceeds 2018 IDEM RCG COM/IND VIGWSLs

MW-27D	09/27/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-9	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-2	09/25/2018
DNAPL Thickness (ft)	0.95

MW-15	09/25/2018
DNAPL Thickness (ft)	1.09

MW-4	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-16	09/25/2018
DNAPL Thickness (ft)	1.56

MW-10	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-6	09/26/2018
Arsenic	20.2 ^
Arsenic, Dissolved	17.6 ^
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-14D	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-13D	09/25/2018
DNAPL Thickness (ft)	1.63

MW-11	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-21D	09/27/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-20	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-20D	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-22	09/27/2018
Hexavalent Chromium	1.51 ^
All Remaining Metals	NA

MW-17	09/26/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-24D	09/25/2018
DNAPL Thickness (ft)	5.08

MW-26D	09/27/2018	DUP-1
Hexavalent Chromium	<0.150	<0.150
All Remaining Metals	NA	NA

MW-28D	09/26/2018
Arsenic	31.3 ^
Arsenic, Dissolved	28.4 ^
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-19D	09/27/2018
Well damaged/unable to sample	

MW-17D	09/25/2018
DNAPL Thickness (ft)	1.19

MW-18	09/27/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

MW-18D	09/27/2018
Hexavalent Chromium	<0.150
All Remaining Metals	NA

Parking Lot; Landscaping; 1st Street; Washington Street; Franklin Street; Building; Lafayette Avenue; Sidewalk; Grass; Grass/Trees; Driveway; Agricultural

MW-1; MW-2; MW-3; MW-4; MW-5; MW-6; MW-7D; MW-7DD; MW-8; MW-9; MW-10; MW-11; MW-12; MW-13D; MW-14D; MW-15; MW-16; MW-17; MW-17D; MW-18; MW-18D; MW-19; MW-19D; MW-20; MW-20D; MW-21D; MW-22; MW-22D; MW-23; MW-24D; MW-25D; MW-26D; MW-27D; MW-28D

0 30' 60' 120'

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Groundwater Analytical Results Map (3rd Quarter 2018 - Metals)

PROJECT No.:	FILENAME:		DATE:
JS0449.350	I:/2018/Projects/JS0449/Figures/NEW Base.dwg		11/08/2018
DRAWN BY:	MODIFIED BY:	SCALE:	FIGURE:
BA	BA	1" = 120'	6C

TABLES

CURRENT MONITORING WELL GAUGING DATA
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	LNAPL Free Product Thickness (ft)	DNAPL Free Product Thickness (ft)	LNAPL Corrected GW Elevation (amsl)	Measured Well Depth^ (ft)	Top of Well Screen (ft bg)	Bottom of Well Screen (ft bg)
MONITORING WELLS										
MW-2	9/25/2018	625.85	20.71	605.14	0.00	0.95	NA	NM	14.75	24.75
MW-4	9/25/2018	626.35	20.80	605.55	0.00	0.00	NA	24.78	14.75	24.75
MW-6	9/25/2018	625.15	19.57	605.58	0.00	0.00	NA	27.71	14.75	24.75
MW-7D	9/25/2018	627.70	22.42	605.28	0.00	0.00	NA	54.20	44.75	49.75
MW-7DD	9/25/2018	627.66	22.37	605.29	0.00	0.00	NA	67.45	51.75	61.75
MW-9	9/25/2018	620.19	11.55	608.64	0.00	0.00	NA	23.03	12.75	22.75
MW-10	9/25/2018	623.78	18.10	605.68	0.00	0.00	NA	26.84	13.75	23.75
MW-11	9/25/2018	620.95	16.28	604.67	0.00	0.00	NA	28.05	14.75	24.75
MW-12	9/25/2018	623.68	18.62	605.06	0.00	0.00	NA	28.96	15.75	25.75
MW-13D	9/25/2018	622.43	17.58	604.85	0.00	1.63	NA	NM	41.75	51.75
MW-14D	9/25/2018	622.91	17.72	605.19	0.00	0.00	NA	57.31	43.75	53.75
MW-15	9/25/2018	628.25	22.78	605.47	0.00	1.09	NA	NM	16.75	26.75
MW-16	9/25/2018	626.22	20.86	605.36	0.00	1.56	NA	NM	15.75	25.75
MW-17	9/25/2018	617.85	13.76	604.09	0.00	0.00	NA	25.71	11.75	21.75
MW-17D	9/25/2018	618.02	14.20	603.82	0.00	1.19	NA	NM	37.25	47.25
MW-18	9/25/2018	616.53	12.94	603.59	0.00	0.00	NA	28.00	14.75	24.75
MW-18D	9/25/2018	616.99	13.33	603.66	0.00	0.00	NA	52.90	39.75	49.75
MW-19	9/25/2018	614.62	10.88	603.74	0.00	0.00	NA	22.97	9.75	19.75
MW-20	9/25/2018	618.41	13.83	604.58	0.00	0.00	NA	25.02	11.75	21.75
MW-20D	9/25/2018	618.19	13.57	604.62	0.00	0.00	NA	52.03	39.75	49.75
MW-21	9/25/2018	616.34	11.58	604.76	0.00	0.00	NA	23.04	9.75	19.75
MW-21D	9/25/2018	615.90	11.09	604.81	0.00	0.00	NA	53.06	39.75	49.75
MW-22	9/25/2018	614.00	9.20	604.80	0.00	0.00	NA	18.98	5.75	15.75
MW-22D	9/25/2018	613.73	9.54	604.19	0.00	0.00	NA	52.71	39.75	49.75
MW-23	9/25/2018	625.60	17.17	608.43	0.00	0.00	NA	26.13	12.75	22.75
MW-24D	9/25/2018	617.34	14.49	602.85	0.00	5.08	NA	NM	35.75	45.75
MW-25D	9/25/2018	618.25	15.61	602.64	0.00	0.00	NA	55.56	41.75	51.75
MW-26D	9/25/2018	618.00	16.72	601.28	0.00	0.00	NA	47.42	34.75	44.75
MW-27D	9/25/2018	620.59	18.65	601.94	0.00	0.00	NA	52.52	41.75	51.75
MW-28D	9/25/2018	615.21	16.20	599.01	0.00	0.00	NA	46.96	33.75	43.75
MP-1	9/25/2018	618.12	16.43	601.69	0.00	1.49	NA	NM	NM	NM
MP-2	9/25/2018	619.31	15.13	604.18	0.00	0.00	NA	50.51	NM	NM
MP-3	9/25/2018	627.41	22.37	605.04	0.00	0.00	NA	NM	NM	NM
PZ-1	9/25/2018	611.80	12.69	599.11	0.00	0.00	NA	23.66	13.75	23.75
PZ-2	9/25/2018	612.22	13.16	599.06	0.00	0.00	NA	23.74	13.75	23.75
PZ-3	9/25/2018	611.97	12.92	599.05	0.00	0.00	NA	23.71	13.75	23.75
PZ-4	9/25/2018	615.86	16.64	599.22	0.00	0.00	NA	24.61	14.75	24.75

Abbreviations & Notes

amsl = feet above mean sea level
ft = feet; ft bg= feet below grade; kg/L = kilograms per liter
NA = Not Applicable; NM = Not Measured; ND = Not Detected
FP = Free Product; GW = Groundwater
D/L NAPL = Dense/Light Non-Aqueous Phase Liquid
^ = Measurement taken from top of PVC casing

DNAPL presence at the bottom of the well does not affect GW elevation, therefore no correction is applied.
LNAPL Corrected GW Elevation = (FP Thickness x FP Density) + GW Elevation
The following LNAPL density is assumed: Gasoline - 0.745 kg/L

CURRENT AND HISTORICAL MONITORING WELL GAUGING DATA
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	LNAPL Free Product Thickness (ft)	DNAPL Free Product Thickness (ft)	LNAPL Corrected GW Elevation (amsl)	Measured Well Depth^ (ft)	Top of Well Screen (ft bg)	Bottom of Well Screen (ft bg)
MONITORING WELLS										
MW-2	12/12/2016	626.19	21.32	604.87	NM	0.00	NA	27.03	14.75	24.75
	3/13/2017		20.40	605.79	0.00	0.74	NA	26.95		
	5/15/2017	625.85	19.00	606.85	0.00	0.20	NA	26.95		
	7/24/2017		19.22	606.63	0.00	0.75	NA	NM		
	12/18/2017		21.63	604.22	0.00	0.80	NA	NM		
	3/26/2018		20.24	605.61	0.00	1.50	NA	NM		
	6/11/2018		20.77	605.08	0.00	2.02	NA	NM		
	9/25/2018		20.71	605.14	0.00	0.95	NA	NM		
MW-4	12/12/2016	626.75	21.43	605.32	0.00	NM	NA	27.49	14.75	24.75
	3/13/2017		20.53	606.22	0.00	0.00	NA	26.30		
	5/15/2017	626.35	19.24	607.11	0.00	0.00	NA	27.34		
	7/24/2017		20.04	606.31	0.00	0.00	NA	27.29		
	12/18/2017		21.61	604.74	0.00	0.00	NA	27.45		
	3/26/2018		20.31	606.04	0.00	0.00	NA	27.48		
	6/11/2018		20.79	605.56	0.00	0.00	NA	27.45		
	9/25/2018		20.80	605.55	0.00	0.00	NA	24.78		
MW-6	12/12/2016	625.56	20.26	605.30	0.00	NM	NA	27.85	14.75	24.75
	3/13/2017		19.40	606.16	0.00	0.00	NA	27.75		
	5/15/2017	625.15	18.14	607.01	0.00	0.00	NA	27.65		
	7/24/2017		18.94	606.21	0.00	0.00	NA	27.86		
	12/18/2017		20.40	604.75	0.00	0.00	NA	27.62		
	3/26/2018		19.26	605.89	0.00	0.00	NA	27.81		
	6/11/2018		19.67	605.48	0.00	0.00	NA	27.82		
	9/25/2018		19.57	605.58	0.00	0.00	NA	27.71		
MW-7D	12/12/2016	628.04	23.22	604.82	NM	NM	NA	50.10	44.75	49.75
	3/13/2017		22.27	605.77	0.00	0.00	NA	54.15		
	5/15/2017	627.70	20.76	606.94	0.00	0.00	NA	54.17		
	7/24/2017		21.75	605.95	0.00	0.00	NA	54.78		
	12/18/2017		23.50	604.20	0.00	0.00	NA	54.10		
	3/26/2018		22.04	605.66	0.00	0.00	NA	54.24		
	6/11/2018		22.61	605.09	0.00	0.00	NA	55.17		
	9/25/2018		22.42	605.28	0.00	0.00	NA	54.20		
MW-7DD	12/12/2016	627.99	23.28	604.71	0.00	NM	NA	66.41	51.75	61.75
	3/13/2017		22.22	605.77	0.00	0.00	NA	67.75		
	5/15/2017	627.66	20.70	606.96	0.00	0.00	NA	66.43		
	7/24/2017		21.59	606.07	0.00	0.00	NA	66.42		
	12/18/2017		23.46	604.20	0.00	0.00	NA	66.41		
	3/26/2018		21.95	605.71	0.00	0.00	NA	66.42		
	6/11/2018		22.51	605.15	0.00	0.00	NA	66.42		
	9/25/2018		22.37	605.29	0.00	0.00	NA	67.45		
MW-9	12/12/2016	620.53	12.46	608.07	0.00	NM	NA	23.10	12.75	22.75
	3/13/2017		12.12	608.41	0.00	0.00	NA	23.00		
	5/15/2017	620.19	11.21	608.98	0.00	0.00	NA	23.08		
	7/24/2017		11.06	609.13	0.00	0.00	NA	23.11		
	12/18/2017		12.32	607.87	0.00	0.00	NA	22.99		
	3/26/2018		8.12	612.07	0.00	0.00	NA	23.08		
	6/11/2018		11.34	608.85	0.00	0.00	NA	23.05		
	9/25/2018		11.55	608.64	0.00	0.00	NA	23.03		
MW-10	12/12/2016	624.15	18.73	605.42	0.00	NM	NA	26.97	13.75	23.75
	3/13/2017		17.89	606.26	0.00	0.00	NA	26.84		
	5/15/2017	623.78	16.06	607.72	0.00	0.00	NA	26.34		
	7/24/2017		17.41	606.37	0.00	0.00	NA	26.79		
	12/18/2017		18.87	604.91	0.00	0.00	NA	27.70		
	3/26/2018		17.75	606.03	0.00	0.00	NA	26.91		
	6/11/2018		18.15	605.63	0.00	0.00	NA	26.84		
	9/25/2018		18.10	605.68	0.00	0.00	NA	26.84		
MW-11	12/12/2016	621.22	16.86	604.36	0.00	NM	NA	28.10	14.75	24.75
	3/13/2017		15.85	605.37	0.00	0.00	NA	28.05		
	5/15/2017	620.95	14.43	606.52	0.00	0.00	NA	28.13		
	7/24/2017		15.50	605.45	0.00	0.00	NA	28.02		
	12/18/2017		17.16	603.79	0.00	0.00	NA	28.95		
	3/26/2018		15.93	605.02	0.00	0.00	NA	28.09		
	6/11/2018		16.31	604.64	0.00	0.00	NA	28.04		
	9/25/2018		16.28	604.67	0.00	0.00	NA	28.05		
MW-12	12/12/2016	623.92	19.18	604.74	0.00	NM	NA	29.03	15.75	25.75
	3/13/2017		18.24	605.68	0.00	0.00	NA	28.70		
	5/15/2017	623.68	16.85	606.83	0.00	0.00	NA	29.30		
	7/24/2017		17.89	605.79	0.00	0.00	NA	28.97		
	12/18/2017		19.37	604.31	0.00	0.00	NA	28.90		
	3/26/2018		18.26	605.42	0.00	0.00	NA	28.99		
	6/11/2018		18.67	605.01	0.00	0.00	NA	28.99		
	9/25/2018		18.62	605.06	0.00	0.00	NA	28.96		
MW-13D	12/12/2016	622.73	18.12	604.61	NM	2.30	NA	55.10	41.75	51.75
	3/13/2017		17.20	605.53	0.00	1.30	NA	55.00		
	5/15/2017	622.43	15.91	606.52	0.00	1.00	NA	55.13		
	7/24/2017		16.85	605.58	0.00	1.63	NA	NM		
	12/18/2017		18.51	603.92	0.00	1.52	NA	NM		
	3/26/2018		17.21	605.22	0.00	NM	NA	NM		
	6/11/2018		17.64	604.79	0.00	2.13	NA	NM		
	9/25/2018		17.58	604.85	0.00	1.63	NA	NM		
MW-14D	12/12/2016	623.16	18.31	604.85	0.00	NM	NA	57.22	43.75	53.75
	3/13/2017		17.35	605.81	0.00	0.00	NA	57.79		
	5/15/2017	622.91	16.09	606.82	0.00	0.00	NA	57.34		
	7/24/2017		17.02	605.89	0.00	0.00	NA	53.72		
	12/18/2017		18.60	604.31	0.00	0.00	NA	57.15		
	3/26/2018		17.35	605.56	0.00	0.00	NA	57.35		
	6/11/2018		17.77	605.14	0.00	0.00	NA	57.37		
	9/25/2018		17.72	605.19	0.00	0.00	NA	57.31		
MW-15	12/12/2016	626.58	23.51	603.07	NM	0.00	NA	30.09	16.75	26.75
	3/13/2017		22.52	604.06	0.00	0.20	NA	30.00		
	5/15/2017	628.25	21.19	607.06	0.00	0.10	NA	30.01		
	7/24/2017		22.09	606.16	0.00	0.24	NA	NM		
	12/18/2017		23.73	604.52	0.00	1.00	NA	29.84		
	3/26/2018		22.46	605.79	0.00	1.02	NA	NM		
	6/11/2018		22.96	605.29	0.00	1.61	NA	NM		
	9/25/2018		22.78	605.47	0.00	1.09	NA	NM		

Abbreviations & Notes

amsl = feet above mean sea level
ft = feet; ft bg= feet below grade; kg/L = kilograms per liter
NA = Not Applicable; NM = Not Measured; ND = Not Detected
FP = Free Product; GW = Groundwater
D/L NAPL = Dense/Light Non-Aqueous Phase Liquid
^ = Measurement taken from top of PVC casing

DNAPL presence at the bottom of the well does not affect GW elevation, therefore no correction is applied.
LNAPL Corrected GW Elevation = (FP Thickness x FP Density) + GW Elevation
The following LNAPL density is assumed: Gasoline - 0.745 kg/L
MW-19D was destroyed/damaged beyond repair after April 29, 2014

CURRENT AND HISTORICAL MONITORING WELL GAUGING DATA
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	LNAPL Free Product Thickness (ft)	DNAPL Free Product Thickness (ft)	LNAPL Corrected GW Elevation (amsl)	Measured Well Depth^ (ft)	Top of Well Screen (ft bg)	Bottom of Well Screen (ft bg)
MONITORING WELLS										
MW-16	12/12/2016	628.55	21.43	607.12	NM	0.00	NA	29.15	15.75	25.75
	3/13/2017		20.57	607.98	0.00	1.25	NA	29.80		
	5/15/2017	626.22	19.32	606.90	0.00	1.00	NA	29.06		
	7/24/2017		20.13	606.09	0.00	1.52	NA	NM		
	12/18/2017		21.78	604.44	0.00	1.05	NA	NM		
	3/26/2018		20.48	605.74	0.00	1.87	NA	NM		
	6/11/2018		20.95	605.27	0.00	1.82	NA	NM		
	9/25/2018		20.86	605.36	0.00	1.56	NA	NM		
MW-17	12/12/2016	618.19	14.31	603.88	NM	NM	NA	25.14	11.75	21.75
	3/13/2017		13.51	604.68	0.00	0.00	NA	24.90		
	5/15/2017	617.85	11.64	606.21	0.00	0.00	NA	25.27		
	7/24/2017		12.83	605.02	0.00	0.00	NA	25.05		
	12/18/2017		14.77	603.08	0.00	0.00	NA	24.93		
	3/26/2018		13.42	604.43	0.00	0.00	NA	25.17		
	6/11/2018		13.86	603.99	0.00	0.00	NA	24.91		
	9/25/2018		13.76	604.09	0.00	0.00	NA	25.71		
MW-17D	12/12/2016	618.33	14.57	603.76	NM	2.12	NA	49.64	37.25	47.25
	3/13/2017		13.47	604.86	0.00	0.95	NA	48.80		
	5/15/2017	618.02	12.01	606.01	0.00	0.85	NA	49.44		
	7/24/2017		13.15	604.87	0.00	1.74	NA	NM		
	12/18/2017		14.98	603.04	0.00	1.59	NA	NM		
	3/26/2018		13.64	604.38	0.00	NM	NA	NM		
	6/11/2018		14.08	603.94	0.00	3.70	NA	NM		
	9/25/2018		14.20	603.82	0.00	1.19	NA	NM		
MW-18	12/12/2016	616.92	13.50	603.42	NM	NM	NA	27.90	14.75	24.75
	3/13/2017		12.64	604.28	0.00	0.00	NA	27.93		
	5/15/2017	616.53	10.72	605.81	0.00	0.00	NA	27.85		
	7/24/2017		12.04	604.49	0.00	0.00	NA	27.82		
	12/18/2017		13.95	602.58	0.00	0.00	NA	27.90		
	3/26/2018		12.65	603.88	0.00	0.00	NA	27.81		
	6/11/2018		13.04	603.49	0.00	0.00	NA	27.82		
	9/25/2018		12.94	603.59	0.00	0.00	NA	28.00		
MW-18D	12/12/2016	617.36	13.94	603.42	0.00	NM	NA	52.26	39.75	49.75
	3/13/2017		12.75	604.61	0.00	0.00	NA	52.20		
	5/15/2017	616.99	11.18	605.81	0.00	0.00	NA	52.18		
	7/24/2017		12.43	604.56	0.00	0.00	NA	52.20		
	12/18/2017		14.34	602.65	0.00	0.00	NA	52.14		
	3/26/2018		13.03	603.96	0.00	0.00	NA	52.10		
	6/11/2018		13.40	603.59	0.00	0.00	NA	52.10		
	9/25/2018		13.33	603.66	0.00	0.00	NA	52.90		
MW-19	12/12/2016	614.96	11.34	603.62	NM	NM	NA	23.05	9.75	19.75
	3/13/2017		10.56	604.40	0.00	0.00	NA	22.86		
	5/15/2017	614.62	8.76	605.86	0.00	0.00	NA	22.81		
	7/24/2017		10.00	604.62	0.00	0.00	NA	22.98		
	12/18/2017		11.87	602.75	0.00	0.00	NA	22.95		
	3/26/2018		10.55	604.07	0.00	0.00	NA	23.03		
	6/11/2018		10.92	603.70	0.00	0.00	NA	23.01		
	9/25/2018		10.88	603.74	0.00	0.00	NA	22.97		
MW-20	12/12/2016	618.68	14.44	604.24	NM	NM	NA	25.13	11.75	21.75
	3/13/2017		13.52	605.16	0.00	0.00	NA	24.96		
	5/15/2017	618.41	12.00	606.41	0.00	0.00	NA	25.19		
	7/24/2017		13.02	605.39	0.00	0.00	NA	25.22		
	12/18/2017		14.76	603.65	0.00	0.00	NA	24.95		
	3/26/2018		13.48	604.93	0.00	0.00	NA	25.15		
	6/11/2018		13.88	604.53	0.00	0.00	NA	25.23		
	6/29/2018		12.83	605.58	0.00	0.00	NA	25.05		
	9/25/2018		13.83	604.58	0.00	0.00	NA	25.02		
MW-20D	12/12/2016	618.49	15.15	603.34	0.00	NM	NA	52.20	39.75	49.75
	3/13/2017		13.16	605.33	0.00	0.00	NA	52.05		
	5/15/2017	618.19	11.79	606.40	0.00	0.00	NA	52.46		
	7/24/2017		12.89	605.30	0.00	0.00	NA	52.38		
	12/18/2017		14.51	603.68	0.00	0.00	NA	52.13		
	3/26/2018		13.23	604.96	0.00	0.00	NA	52.11		
	6/11/2018		13.61	604.58	0.00	0.00	NA	52.14		
	6/29/2018		12.75	605.44	0.00	0.00	NA	52.00		
	9/25/2018		13.57	604.62	0.00	0.00	NA	52.03		
MW-21	12/12/2016	616.67	12.04	604.63	NM	NM	NA	22.88	9.75	19.75
	3/13/2017		11.29	605.38	0.00	0.00	NA	23.01		
	5/15/2017	616.34	9.80	606.54	0.00	0.00	NA	23.05		
	7/24/2017		10.83	605.51	0.00	0.00	NA	23.06		
	12/18/2017		12.48	603.86	0.00	0.00	NA	22.92		
	3/26/2018		11.22	605.12	0.00	0.00	NA	23.06		
	6/11/2018		11.61	604.73	0.00	0.00	NA	23.00		
	9/25/2018		11.58	604.76	0.00	0.00	NA	23.04		
MW-21D	12/12/2016	616.21	11.60	604.61	0.00	NM	NA	53.06	39.75	49.75
	3/13/2017		10.70	605.51	0.00	0.00	NA	52.17		
	5/15/2017	615.90	9.36	606.54	0.00	0.00	NA	52.22		
	7/24/2017		10.33	605.57	0.00	0.00	NA	52.19		
	12/18/2017		11.97	603.93	0.00	0.00	NA	52.93		
	3/26/2018		10.73	605.17	0.00	0.00	NA	52.98		
	6/11/2018		11.11	604.79	0.00	0.00	NA	53.08		
	6/29/2018		10.12	605.78	0.00	0.00	NA	53.08		
	9/25/2018		11.09	604.81	0.00	0.00	NA	53.06		
MW-22	12/12/2016	614.32	9.98	604.34	NM	NM	NA	18.95	5.75	15.75
	3/13/2017		9.22	605.10	0.00	0.00	NA	18.86		
	5/15/2017	614.00	7.70	606.30	0.00	0.00	NA	18.95		
	7/24/2017		15.32	598.68	0.00	0.00	NA	18.89		
	12/18/2017		10.43	603.57	0.00	0.00	NA	18.89		
	3/26/2018		9.17	604.83	0.00	0.00	NA	18.97		
	6/11/2018		9.72	604.28	0.00	0.00	NA	19.00		
	6/29/2018		8.25	605.75	0.00	0.00	NA	19.00		
	9/25/2018		9.20	604.80	0.00	0.00	NA	18.98		
MW-22D	12/12/2016	614.07	9.64	604.43	NM	NM	NA	53.18	39.75	49.75
	3/13/2017		8.95	605.12	0.00	0.00	NA	52.11		
	5/15/2017	613.73	7.43	606.30	0.00	0.00	NA	52.43		
	7/24/2017		18.31	595.42	0.00	0.00	NA	52.75		
	12/18/2017		10.08	603.65	0.00	0.00	NA	52.62		
	3/26/2018		8.83	604.90	0.00	0.00	NA	52.59		
	6/11/2018		9.21	604.52	0.00	0.00	NA	52.72		
	9/25/2018		9.54	604.19	0.00	0.00	NA	52.71		

Abbreviations & Notes

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^ = Measurement taken from top of PVC casing

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The following LNAPL density is assumed: Gasoline - 0.745 kg/L
MW-19D was destroyed/damaged beyond repair after April 29, 2014

CURRENT AND HISTORICAL MONITORING WELL GAUGING DATA
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL	Date	Top of Casing Elevation (amsl)	Depth to Water^ (ft)	Groundwater Elevation (amsl)	LNAPL Free Product Thickness (ft)	DNAPL Free Product Thickness (ft)	LNAPL Corrected GW Elevation (amsl)	Measured Well Depth^ (ft)	Top of Well Screen (ft bg)	Bottom of Well Screen (ft bg)
MONITORING WELLS										
MW-23	12/12/2016	621.96	18.42	603.54	NM	NM	NA	23.28	12.75	22.75
	3/13/2017		18.15	603.81	0.00	0.00	NA	26.15		
	5/15/2017	625.60	14.78	610.82	0.00	0.00	NA	23.24		
	7/24/2017		15.09	610.51	0.00	0.00	NA	26.12		
	12/18/2017		18.85	606.75	0.00	0.00	NA	26.10		
	3/26/2018		13.82	611.78	0.00	0.00	NA	26.21		
	6/11/2018		17.15	608.45	0.00	0.00	NA	26.08		
	9/25/2018		17.17	608.43	0.00	0.00	NA	26.13		
MW-24D	12/12/2016	617.64	15.03	602.61	NM	2.18	NA	47.38	35.75	45.75
	3/13/2017		13.71	603.93	0.00	3.79	NA	47.78		
	5/15/2017	617.34	12.03	605.31	0.00	1.00	NA	47.38		
	7/24/2017		13.32	604.02	0.00	3.50	NA	NM		
	12/18/2017		15.54	601.80	0.00	6.75	NA	47.33		
	3/26/2018		14.16	603.18	0.00	6.31	NA	NM		
	6/11/2018		14.61	602.73	0.00	6.07	NA	NM		
	9/25/2018		14.49	602.85	0.00	5.08	NA	NM		
MW-25D	12/12/2016	618.59	16.05	602.54	NM	NM	NA	51.86	41.75	51.75
	3/13/2017		14.80	603.79	0.00	0.00	NA	55.04		
	5/15/2017	618.25	13.09	605.16	0.00	0.00	NA	55.27		
	7/24/2017		14.53	603.72	0.00	0.00	NA	55.28		
	12/18/2017		16.59	601.66	0.00	0.00	NA	55.11		
	3/26/2018		15.30	602.95	0.00	0.00	NA	55.32		
	6/11/2018		15.68	602.57	0.00	0.00	NA	56.05		
	9/25/2018		15.61	602.64	0.00	0.00	NA	55.56		
MW-26D	12/12/2016	618.27	17.36	600.91	NM	NM	NA	47.55	34.75	44.75
	3/13/2017		15.84	602.43	0.00	0.00	NA	47.65		
	5/15/2017	618.00	13.84	604.16	0.00	0.00	NA	47.45		
	7/24/2017		15.32	602.68	0.00	0.00	NA	47.32		
	12/18/2017		17.36	600.64	0.00	0.00	NA	47.35		
	3/26/2018		16.31	601.69	0.00	0.00	NA	47.41		
	6/11/2018		16.93	601.07	0.00	0.00	NA	47.41		
	9/25/2018		16.72	601.28	0.00	0.00	NA	47.42		
MW-27D	12/12/2016	616.88	19.46	597.42	NM	NM	NA	51.90	41.75	51.75
	3/13/2017		18.42	598.46	0.00	0.00	NA	51.69		
	5/15/2017	620.59	15.89	604.70	0.00	0.00	NA	52.07		
	7/24/2017		17.39	603.20	0.00	0.00	NA	51.98		
	12/18/2017		20.92	599.67	0.00	0.00	NA	51.81		
	3/26/2018		18.35	602.24	0.00	0.00	NA	51.82		
	6/11/2018		19.00	601.59	0.00	0.00	NA	51.99		
	6/28/2018		17.23	603.36	0.00	0.00	NA	52.55		
	9/25/2018		18.65	601.94	0.00	0.00	NA	52.52		
MW-28D	3/13/2017	615.21	15.30	599.91	NM	NM	NA	46.90	33.75	43.75
	5/15/2017		13.50	601.71	0.00	0.00	NA	47.08		
	7/24/2017		14.21	601.00	0.00	0.00	NA	47.05		
	12/18/2017		16.94	598.27	0.00	0.00	NA	46.95		
	3/26/2018		15.25	599.96	0.00	0.00	NA	46.99		
	6/11/2018		15.35	599.86	0.00	0.00	NA	46.96		
	6/29/2018		14.42	600.79	0.00	0.00	NA	46.95		
	9/25/2018		16.20	599.01	0.00	0.00	NA	46.96		
MP-1	12/12/2016	618.12	17.11	601.01	NM	2.13	NA	46.09	NM	NM
	3/13/2017		15.59	602.53	0.00	0.66	NA	46.51		
	5/15/2017		13.61	604.51	0.00	0.50	NA	46.49		
	7/24/2017		15.16	602.96	0.00	2.10	NA	NM		
	12/18/2017		17.80	600.32	0.00	1.51	NA	NM		
	3/26/2018		16.07	602.05	0.00	NM	NA	NM		
	6/11/2018		16.70	601.42	0.00	NM	NA	NM		
	9/25/2018		16.43	601.69	0.00	1.49	NA	NM		
MP-2	12/12/2016	619.31	15.72	603.59	NM	NM	NA	50.51	NM	NM
	3/13/2017		14.64	604.67	0.00	0.00	NA	50.55		
	5/15/2017		13.13	606.18	0.00	0.00	NA	50.55		
	7/24/2017		14.34	604.97	0.00	0.00	NA	50.30		
	12/18/2017		16.06	603.25	0.00	0.00	NA	50.48		
	3/26/2018		14.48	604.83	0.00	0.00	NA	50.60		
	6/11/2018		15.20	604.11	0.00	0.00	NA	50.59		
	9/25/2018		15.13	604.18	0.00	0.00	NA	50.51		
MP-3	12/12/2016	627.41	23.04	604.37	NM	NM	NA	58.61	NM	NM
	3/13/2017		21.98	605.43	0.00	0.00	NA	58.54		
	5/15/2017		20.62	606.79	0.00	0.00	NA	58.40		
	7/24/2017		18.80	608.61	0.00	0.00	NA	58.40		
	12/18/2017		23.23	604.18	0.00	0.00	NA	58.40		
	3/26/2018		21.98	605.43	0.00	0.00	NA	58.49		
	6/11/2018		22.44	604.97	0.00	0.00	NA	58.95		
	9/25/2018		22.37	605.04	0.00	0.00	NA	NM		
PZ-1	3/26/2018	611.80	11.72	600.08	0.00	0.00	NA	23.78	13.75	23.75
	6/11/2018		11.93	599.87	0.00	0.00	NA	23.91		
	9/25/2018		12.69	599.11	0.00	0.00	NA	23.66		
PZ-2	3/26/2018	612.22	12.24	599.98	0.00	0.00	NA	23.76	13.75	23.75
	6/11/2018		12.33	599.89	0.00	0.00	NA	23.95		
	9/25/2018		13.16	599.06	0.00	0.00	NA	23.74		
PZ-3	3/26/2018	611.97	11.98	599.99	0.00	0.00	NA	23.81	13.75	23.75
	6/11/2018		12.10	599.87	0.00	0.00	NA	23.75		
	9/25/2018		12.92	599.05	0.00	0.00	NA	23.71		
PZ-4	3/26/2018	615.86	15.82	600.04	0.00	0.00	NA	24.61	14.75	24.75
	6/11/2018		15.93	599.93	0.00	0.00	NA	24.61		
	9/25/2018		16.64	599.22	0.00	0.00	NA	24.61		

Abbreviations & Notes

amsl = feet above mean sea level
ft = feet; ft bg= feet below grade; kg/L = kilograms per liter
NA = Not Applicable; NM = Not Measured; ND = Not Detected
FP = Free Product; GW = Groundwater
D/L NAPL = Dense/Light Non-Aqueous Phase Liquid
^ = Measurement taken from top of PVC casing

DNAPL presence at the bottom of the well does not affect GW elevation, therefore no correction is applied.
LNAPL Corrected GW Elevation = (FP Thickness x FP Density) + GW Elevation
The following LNAPL density is assumed: Gasoline - 0.745 kg/L
MW-19D was destroyed/damaged beyond repair after April 29, 2014

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	**13.8**	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-6		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	**11.7**	<5.0	<5.0	<5.0	**10.4**	<5.0	<5.0	BRL
		05/16/2017	<5.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		07/24/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		10/04/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/27/2018	<5.0	<5.0	**6.5**	**16.8**	<5.0	<5.0	<5.0	**16.7**	**7.1**	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**8.5**	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	**5.2**	<10.0	<5.0	<5.0	<5.0	**13.5**	**5.7**	<5.0	BRL
MW-7D		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/24/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/03&11/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-7DD		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	**7.2**	<5.0	**36.0**	**16.0**	<5.0	BRL
		05/18/2017	<5.0	<5.0	<5.0	<10.0	<5.0	**7.7**	<5.0	**37.3**	**17.5**	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	**8.0**	<5.0	**39.1**	**19.0**	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	**8.0**	<5.0	**41.0**	**17.9**	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	**9.9**	**5.3**	**50.6**	**24.0**	<5.0	BRL

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management; RCG = Remediation Closure Guide
E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.
NE = Not Established; NA = Not Analyzed; BRL = Below Laboratory Reporting Limits
J = Value is estimated based on quality control criteria; MDL = Method Detection Limit
USEPA = United States Environmental Protection Agency
Naphthalene, 1-Methylnaphthalene, and 2-methylnaphthalene reported exclusively from USEPA 8270 SIM analysis.
All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:
^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
** = At or Above IDEM RCG 2018 Commercial/Industrial VIGWSLs

Z = Value is unusable based on anlaytical verification. Presented for reference only.

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	**7.0**	**26.9**	<5.0	<5.0	<5.0	**24.5**	**5.2**	<5.0	BRL
		05/18/2017	<5.0	<5.0	<5.0	**17.0**	<5.0	<5.0	<5.0	**16.1**	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**6.6**	<5.0	<5.0	BRL
		10/04&12/2017	<25.0 E	<25.0	<25.0	<50.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0 E	BRL
		03/28/2018	<5.0	<5.0	**15.8**	**53.5**	<5.0	<5.0	<5.0	**45.2**	**9.3**	<5.0	BRL
	MW-DUP-1	03/28/2018	<5.0	<5.0	**16.3**	**51.1**	<5.0	<5.0	<5.0	**45.3**	**9.0**	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	**12.2**	<5.0	<5.0	<5.0	**9.3**	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**5.0**	<5.0	<5.0	BRL
MW-10		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/13/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/03&12/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-11		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	**7.6**	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	**8.0**	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	**11.7**	**10.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05&12/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	**13.1**	<10.0	<5.0	<5.0	<5.0	**5.2**	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	**5.7**	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	**5.4**	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-12		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/03&12/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL

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August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14D	*MW-DUP-1*	12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**11.1**	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/06&11/2017	<25.0 E	<25.0	<25.0	<50.0	<25.0	<25.0	NA	<25.0	<25.0	<25.0 E	BRL
		03/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**5.6**	<5.0	<5.0	BRL
MW-17		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-18		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management; RCG = Remediation Closure Guide
E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.
NE = Not Established; NA = Not Analyzed; BRL = Below Laboratory Reporting Limits
J = Value is estimated based on quality control criteria; MDL = Method Detection Limit
USEPA = United States Environmental Protection Agency
Naphthalene, 1-Methylnaphthalene, and 2-methylnaphthalene reported exclusively from USEPA 8270 SIM analysis.
All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
** = At or Above IDEM RCG 2018 Commercial/Industrial VIGWSLs

Z = Value is unusable based on anlaytical verification. Presented for reference only.

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	**27.8**	**51.6**	<5.0	<5.0	<5.0	**32.6**	**11.7**	<5.0	BRL
	MW-DUP-1	03/14/2017	<5.0	<5.0	**26.4**	**48.6**	<5.0	<5.0	<5.0	**31.9**	**11.4**	<5.0	BRL
		05/17/2017	<5.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
	MW-DUP-1	05/17/2017	<5.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		07/26/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
	MW-DUP-1	07/26/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		10/09/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
	MW-DUP-1	10/09/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		03/29/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		06/13/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/27/2018	**5.2** ^	<5.0	**38.8**	**72.4**	<5.0	**5.5**	<5.0	**48.7**	**17.5**	<5.0	BRL
MW-19		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/06/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-20		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04&12/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12&29/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		09/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-20D		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**11.5**	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	**6.7**	**14.4**	<5.0	<5.0	<5.0	**19.1**	**7.1**	<5.0	BRL
		07/26/2017	<5.0	<5.0	**15.0**	**34.7**	<5.0	<5.0	<5.0	**45.6**	**17.8**	<5.0	BRL
		10/09/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		03/28/2018	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		06/12&29/2018	<5.0	<5.0	**5.9**	<10.0	<5.0	<5.0	NA	**18.5**	**7.0**	<5.0	BRL
		09/26/2018	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR^{+6} analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04&11/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21D		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-DUP-2	12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<5.0	**6.8**	**12.6**	**33.0**	<5.0	<5.0	<5.0	**13.8**	<5.0	<5.0	BRL
		05/17/2017	<5.0	**7.5**	**13.6**	**34.8**	<5.0	<5.0	<5.0	**15.4**	**5.3**	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/09/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/28/2018	**8.9** ^	**19.8**	**33.3**	**88.3**	<5.0	<5.0	<5.0	**33.3**	**11.4**	<5.0	BRL
		06/12&29/2018	**6.7** ^	**19.7**	**28.0**	**83.2**	<5.0	<5.0	NA	**31.1**	**11.9**	<5.0	BRL
		09/27/2018	**5.9** ^	**16.1**	**26.9**	**76.6**	<5.0	<5.0	<5.0	**31.5**	**10.5**	<5.0	BRL
MW-22		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04&11/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/13&29/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		09/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-22D		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/04&11/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		03/26/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	**DUP ID**	**Date Collected**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
MW-23		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-25D		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/18/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/25/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/29/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-26D		01/12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	**7.6** ^	<5.0	**61.8**	**75.6**	<5.0	**7.1**	<5.0	**49.8**	**17.7**	<5.0	BRL
	MW-DUP-2	03/16/2017	**7.8** ^	<5.0	**62.5**	**76.7**	<5.0	**7.3**	<5.0	**50.6**	**18.2**	<5.0	BRL
		05/17/2017	<5.0	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
	MW-DUP-2	05/17/2017	<17.0 E	<500	<500	<1,000	<500	<500 E	<500	<500 E	<500 E	<500 E	BRL
		07/26/2017	**9.1** ^	<5.0	**53.3**	**61.4**	<5.0	**8.7**	<5.0	**67.2** ^	**22.9**	<5.0	BRL
	MW-DUP-2	07/26/2017	<50.0 E	<50.0	<50.0	<100	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0 E	BRL
		10/13/2017	**11.4** ^	<5.0	**59.3**	**67.9**	<5.0	**9.4**	<5.0	**51.2**	**17.3**	<5.0	BRL
	MW-DUP-2	10/13/2017	**11.5** ^	<5.0	**60.1**	**69.3**	<5.0	**9.4**	<5.0	**52.9**	**16.7**	<5.0	BRL
		03/29/2018	**9.1** ^	<5.0	**58.6**	**67.3**	<5.0	**15.7**	<5.0	**67.7** ^	**23.7**	<5.0	BRL
	MW-DUP-2	03/29/2018	**9.2** ^	<5.0	**56.6**	**65.8**	<5.0	**14.6**	<5.0	**64.5** ^	**22.1**	<5.0	BRL
		06/13/2018	**10.4** ^	<5.0	**53.8**	**67.7**	<5.0	**8.7**	<5.0	**43.2**	**16.8**	<5.0	BRL
	DUP-1	06/13/2018	**10.0** ^	<5.0	**49.4**	**59.0**	<5.0	**7.7**	<5.0	**37.6**	**13.4**	<5.0	BRL
		09/27/2018	**12.5** ^	<5.0	**78.2**	**106**	<5.0	**12.4**	<5.0	**44.3**	**17.2**	<5.0	BRL
	MWDUP-1	09/27/2018	**12.0** ^	<5.0	**77.8**	**104**	<5.0	**12.2**	<5.0	**42.2**	**17.1**	<5.0	BRL

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Volatile Organic Compounds (VOCs) via USEPA Method 8260										
			Benzene	Toluene	Ethylbenzene	Xylene (Total)	n-Butylbenzene	Isopropylbenzene (Cumene)	n-Propyl-benzene	1,2,4-Trimethyl-benzene	1,3,5-Trimethyl-benzene	1,2-Dicholoroethane	All Other Analyzed VOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			5	1,000	700	10,000	1,000	450	660	56	60	5	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			28	NE	NE	NE	NE	NE	NE	NE	NE	50	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			120	NE	NE	NE	NE	NE	NE	NE	NE	210	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-27D		01/12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/05/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		03/28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/12&28/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		09/27/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
MW-28D		03/15/2017	**5.4** ^	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		05/17/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		07/26/2017	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		10/06/2017	**5.5** ^	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	**6.3**	<5.0	<5.0	BRL
		03/29/2018	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL
		06/13&29/2018	**10.1** ^	<5.0	<5.0	<10.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	BRL
		09/26/2018	**7.3** ^	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	BRL

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August Mack ENVIRONMENTAL	Semivolatile Organic Compounds (SVOCs) via USEPA Method 8270 Scan & 8270SIM												
	Acenaphthene	Acenapthylene	Anthracene	Benzo(a)-Anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-flouranthene	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	2,4-Dimethylphenol	Di-n-butyl-phthalate[2]
2018 IDEM RCG RESIDENTIAL TAP SLs (^)	530	NE	1,800	0.3	0.2	2.5	NE	25	250	0.25	7.9	360	900
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID / DUP ID / Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4 12/15/2016	120	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	99.0 ^	<10.0	<10.0
MW-4 03/15/2017	93.0	<1.0	5.0	0.17	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	82.9 ^	<10.0	<10.0
MW-4 05/16/2017	72.1	<1.0	4.8	0.17	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	66.2 ^	<10.0	<10.0
MW-4 07/25/2017	25.1	<1.0	1.4	0.12	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	15.7 ^	<10.0	<10.0
MW-4 10/04/2017	109	<1.7	11.1	4.5 ^	2.4 ^	3.1 ^	0.77	1.5	4.9	0.32 *	71.5 ^	<16.7	<16.7
MW-4 03/27/2018	82.0	<1.0	3.9	0.24	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	65.1 ^	<10.0	<10.0
MW-4 06/12/2018	74.1	1.1	3.7	0.23	<0.100	0.10	<0.100	<0.100	<0.500	<0.100	48.5 ^	<10.0	<10.0
MW-4 09/26/2018	55.3	<1.1	3.3	0.18	<0.110	<0.110	<0.110	<0.110	<0.540	<0.110	44.3 ^	<10.8	<10.8
MW-6 12/15/2016	425	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	179 ^	<10.0	<10.0
MW-6 03/15/2017	174	3.7	<0.100	0.17	<0.100	0.13	<0.100	0.10	<0.500	<0.100	83.1 ^	<10.0	<10.0
MW-6 05/16/2017	132	<10.0	3.3	<1.0 E	<1.0 E	<1.0	<1.0	<1.0	<5.0	<1.0 E	62.1 ^	99.1	<10.0
MW-6 07/24/2017	152	3.5	4.4	0.13	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	39.2 ^	<10.0	<10.0
MW-6 10/04/2017	431	2.0	6.5	1.2 ^	0.37 ^	0.55	0.12	0.25	1.4	<0.100	138 ^	<10.0	<10.0
MW-6 03/27/2018	238	6.4	<0.100	0.40 ^	0.18	0.30	<0.100	<0.100	<0.520	<0.100	78.5 ^	<10.4	<10.4
MW-6 06/12/2018	163	4.5	3.7	0.61 ^	0.34 ^	0.61	0.13	0.25	0.59	<0.100	71.4 ^	<10.0	<10.0
MW-6 09/26/2018	288	3.6	5.0	0.28	0.12	0.21	<0.100	<0.100	<0.500	<0.100	125 ^	<10.0	<10.0
MW-7D 12/13/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
MW-7D 03/14/2017	1.8	<1.0	0.15	0.14	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-7D 05/16/2017	<1.0	<1.0	0.13	0.17	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-7D 07/24/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-7D 10/03&11/2017	2.3	<1.0	0.76	0.37 ^	0.13	0.16	<0.100	<0.100	<0.520	NA	<10.4 E	<10.4	<10.4
MW-7D 03/27/2018	<1.0	<1.0	<0.100	0.18	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-7DD 12/14/2016	309	<10.0	25	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	179 ^	<10.0	<10.0
MW-7DD 03/16/2017	258	<1.0	<0.100	0.32 ^	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	170 ^	<10.0	<10.0
MW-7DD 05/18/2017	379	1.2	10.3	0.63 ^	0.15	0.23	<0.100	<0.100	<0.500	<0.100	242 ^	<10.0	<10.0
MW-7DD 07/26/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-7DD 10/04&12/2017	305	1.6	11.3	1.3 ^	0.55 ^	0.70	0.18	0.32	1.8	NA	48.2 ^	<11.2	<11.2
MW-7DD 03/28/2018	259	<1.1	6.8	0.27	<0.110	<0.110	<0.110	<0.110	<0.550	<0.110	111 ^	<11.0	<11.0
MW-7DD 06/12/2018	224	<1.0	8.0	0.23	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	80.9 ^	<10.0	<10.0
MW-7DD 09/26/2018	315	2.0	8.2	0.32 ^	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	160 ^	<10.0	<10.0

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2018 IDEM RCG RESIDENTIAL TAP SLs (^)			530	NE	1,800	0.3	0.2	2.5	NE	25	250	0.25	7.9	360	900
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9		12/15/2016	**144**	<10.0	**10.7**	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**92.2 ^**	<10.0	<10.0
		03/15/2017	**115**	<1.0	**5.0**	**0.84 ^**	**0.45 ^**	**0.54**	**0.19**	**0.44**	**0.74**	**0.11**	**84.7 ^**	<10.0	<10.0
		05/18/2017	**146**	**1.0**	**4.8**	**0.30 ^**	<0.100	**0.14**	<0.100	<0.100	<0.500	<0.100	**50.7 ^**	<10.0	<10.0
		07/25/2017	**25.3**	<1.0	**1.4**	**0.16**	<0.100	**0.38**	**0.12**	**0.21**	<0.500	**0.14**	<10.0 E	<10.0	<10.0
		10/04&12/2017	**65.3**	<1.1	**4.3**	**1.1 ^**	**0.53 ^**	**0.69**	**0.20**	**0.29**	**1.4**	NA	**31.3 ^**	<10.9	<10.9
		03/28/2018	**211**	**1.8**	**7.0**	**0.78 ^**	**0.25 ^**	**0.35**	<0.100	**0.17**	**0.63**	<0.100	**103 ^**	<10.0	<10.0
	MW-DUP-1	03/28/2018	**227**	<1.0	**7.9**	**0.86 ^**	**0.29 ^**	**0.39**	**0.11**	**0.22**	**0.68**	<0.100	**101 ^**	<10.0	<10.0
		06/12/2018	**57.7**	<1.0	**3.1**	**0.25**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**43.5 ^**	<10.0	<10.0
		09/26/2018	**56.5**	<1.0	**3.9**	**0.31 ^**	<0.100	**0.12**	<0.100	<0.100	<0.500	<0.100	**36.4 ^**	<10.0	<10.0
MW-10		12/15/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/13/2017	<1.0	<1.0	**0.13**	**0.66 ^**	**0.25 ^**	**0.21**	**0.35**	**0.39**	**0.62**	**0.59 ***	<10.0 E	<10.0	<10.0
		05/15/2017	<1.0	<1.0	**0.13**	**0.42 ^**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	**10.7**
		07/25/2017	**1.1**	<1.0	<0.100	**0.29**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/03&12/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		03/27/2018	<1.0	<1.0	<0.100	**0.85 ^**	<0.100	<0.100	<0.100	<0.100	**0.57**	<0.100	<10.0 E	<10.0	<10.0
		06/12/2018	<1.0	<1.0	<0.100	**0.59 ^**	**0.11**	**0.17**	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		09/26/2018	**2.1**	<1.0	<0.100	**0.63 ^**	<0.100	**0.13**	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-11		12/14/2016	**226**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**141 ^**	<10.0	<10.0
		03/14/2017	**172**	**1.1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**114 ^**	<10.0	<10.0
		05/17/2017	**212**	**1.1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**133 ^**	<10.0	<10.0
		07/25/2017	**106**	<1.0	**1.2**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**68.6 ^**	<10.0	<10.0
		10/05&12/2017	**217**	**1.0**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	**107 ^**	<10.0	<10.0
		03/28/2018	**175**	**1.4**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**110 ^**	<10.0	<10.0
		06/12/2018	**136**	**1.9**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**72.6 ^**	<10.0	<10.0
		09/26/2018	**191**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**136 ^**	<10.0	<10.0
MW-12		12/14/2016	**96.9**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/14/2017	**23.0**	<1.0	**0.21**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/15/2017	**22.7**	<1.0	**0.20**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	**11.3**
		07/25/2017	**3.1**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/03&12/2017	**55.4**	<1.0	**0.43**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		03/27/2018	**11.7**	<1.1	**0.19**	<0.110	<0.110	<0.110	<0.110	<0.110	<0.540	<0.110	<10.8 E	<10.8	<10.8

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

			Semivolatile Organic Compounds (SVOCs) via USEPA Method 8270 Scan & 8270SIM												
August Mack ENVIRONMENTAL			Acenaphthene	Acenapthylene	Anthracene	Benzo(a)-Anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-flouranthene	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	2,4-Dimethylphenol	Di-n-butyl-phthalate[2]
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			**530**	**NE**	**1,800**	**0.3**	**0.2**	**2.5**	**NE**	**25**	**250**	**0.25**	**7.9**	**360**	**900**
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
2018 IDEM RCG COM/IND VIGWSLs (**)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
Sample ID	**DUP ID**	**Date Collected**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
MW-14D		12/14/2016	**169**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**99.9 ^**	<10.0	<10.0
	MW-DUP-1	12/14/2016	**148**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**103 ^**	<10.0	<10.0
		03/14/2017	**228**	<1.0	<0.100	**0.14**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**134 ^**	<10.0	<10.0
		05/16/2017	**153**	<1.0	**14.5**	**6.6 ^**	**2.2 ^**	**2.9 ^**	**0.70**	**1.4**	**5.7**	**0.27 ***	**111 ^**	<10.0	<10.0
		07/25/2017	**32.2**	<1.0	**0.19**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/06&11/2017	**239**	<1.0	**7.0**	**0.52 ^**	**0.34 ^**	**0.42**	**0.15**	**0.21**	**0.62**	<0.100	**84.9 ^**	<10.0	<10.0
		03/27/2018	**152**	<1.0	**2.0**	**0.13**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**61.1 ^**	<10.0	<10.0
		06/12/2018	**100**	<1.0	**3.2**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**65.8 ^**	<10.0	<10.0
		09/26/2018	**263**	**1.1**	**8.7**	**0.30 ^**	<0.100	**0.14**	<0.100	<0.100	<0.500	<0.100	**142 ^**	<10.0	<10.0
MW-17		12/15/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/15/2017	**1.5**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/17/2017	**3.6** J	<1.0 J	<0.100	<0.100 J	<0.100 J	<0.100 J	<0.100 J	<0.100 J	<0.500 J	<0.100	<10.0 E	<10.0	<10.0
		07/26/2017	**1.8**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/05/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		03/26/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		06/12/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		09/26/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-18		12/13/2016	**22.7**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/15/2017	**31.2**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/16/2017	**45.1**	<1.0	**0.13**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/25/2017	**13.6**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/05/2017	**51.5**	<1.0	**0.19**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		03/28/2018	**54.7**	<1.0	**0.22**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.520	<0.100	**10.3 ^**	<10.3	<10.3
		06/12/2018	**32.6**	<1.0	**0.11**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		09/27/2018	**70.1**	<1.2	**0.33**	<0.120	<0.120	<0.120	<0.120	<0.120	<0.620	<0.120	<12.5 E	<12.5	<12.5

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management; RCG = Remediation Closure Guide
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NE = Not Established; NA = Not Analyzed; BRL = Below Laboratory Reporting Limits
J = Value is estimated based on quality control criteria; MDL = Method Detection Limit
USEPA = United States Environmental Protection Agency
Naphthalene, 1-Methylnaphthalene, and 2-methylnaphthalene reported exclusively from USEPA 8270 SIM analysis.
All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
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Z = Value is unusable based on anlaytical verification. Presented for reference only.

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Semivolatile Organic Compounds (SVOCs) via USEPA Method 8270 Scan & 8270SIM												
			Acenaphthene	Acenapthylene	Anthracene	Benzo(a)-Anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-flouranthene	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	2,4-Dimethylphenol	Di-n-butyl-phthalate[2]
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			530	NE	1,800	0.3	0.2	2.5	NE	25	250	0.25	7.9	360	900
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D		12/15/2016	**201**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**178** ^	**12.0**	<10.0
		03/14/2017	**200**	<1.0	<0.100	**1.2** ^	**0.55** ^	**0.64**	**0.19**	**0.50**	**1.0**	<0.100	**149** ^	<10.0	<10.0
	MW-DUP-1	03/14/2017	**203**	<1.0	<0.100	**0.28**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**149** ^	<10.0	<10.0
		05/17/2017	**341**	<1.0	**9.0**	**0.36** ^	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**281** ^	<10.0	<10.0
	MW-DUP-1	05/17/2017	**313**	<1.0	**9.2**	**0.34** ^	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**200** ^	**10.6**	<10.0
		07/26/2017	**259**	<1.0	**10.5**	**0.17**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**68.8** ^	<10.0	<10.0
	MW-DUP-1	07/26/2017	**123**	<1.0	**4.1**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/09/2017	**408**	<1.0	**17.6**	**1.3** ^	**0.62** ^	**0.81**	**0.26**	**0.37**	**1.5**	<0.100	**244** ^	<10.0	<10.0
	MW-DUP-1	10/09/2017	**385**	<1.0	**17.1**	**1.5** ^	**0.84** ^	**0.98**	**0.50**	**0.55**	**1.7**	**0.40** *	**226** ^	<10.0	<10.0
		03/29/2018	**197**	<1.1	**5.3**	**0.42** ^	<0.110	<0.110	<0.110	<0.110	<0.540	<0.110	**91.3** ^	**11.2**	<10.8
		06/13/2018	**27.6**	**1.0**	**0.81**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**11.7** ^	<10.0	<10.0
		09/27/2018	**103**	<1.1	**4.0**	**0.18**	<0.110	<0.110	<0.110	<0.110	<0.530	<0.110	**71.2** ^	<10.5	<10.5
MW-19		12/14/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/15/2017	<1.0	<1.0	<0.100	<0.100	<0.100	**0.11**	**0.11**	**0.13**	<0.500	**0.15**	<10.0 E	<10.0	<10.0
		05/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/26/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/06/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		03/28/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-20		12/14/2016	**110**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/14/2017	**93.3**	<1.0	**0.11**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/15/2017	**81.7**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/26/2017	**34.3**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/04&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	**84.2**	<1.0	**0.11**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		06/12&29/2018	**18.2**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		09/26/2018	**114**	<1.0	**0.16**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-20D		12/14/2016	**129**	<10.0	**12.1**	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**80.9** ^	<10.0	<10.0
		03/15/2017	**78.5**	<1.0	<0.100	**0.43** ^	**0.18**	**0.19**	<0.100	**0.21**	<0.500	<0.100	**57.1** ^	<10.0	<10.0
		05/17/2017	**142**	<1.0	**3.6**	**0.45** ^	**0.13**	**0.20**	<0.100	<0.100	<0.500	<0.100	**94.1** ^	<10.0	<10.0
		07/26/2017	**110**	<1.0	**3.9**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**48.4** ^	<10.0	<10.0
		10/09/2017	**163**	<1.0	**6.6**	**0.69** ^	**0.24** ^	**0.30**	<0.100	**0.15**	**0.77**	<0.100	**84.5** ^	<10.0	<10.0
		03/28/2018	**166**	<1.0	**4.5**	**0.43** ^	**0.12**	**0.20**	<0.100	<0.100	<0.500	<0.100	**72.8** ^	<10.0	<10.0
		06/12&29/2018	**87.0**	<1.0	**3.1**	**0.19**	<0.100	<0.100	<0.100	<0.100	<0.500	NA	**59.3** ^	<10.0	<10.0
		09/26/2018	**113**	<1.0	**3.9**	**0.35** ^	<0.100	**0.13**	<0.100	<0.100	<0.500	<0.100	**62.0** ^	<10.0	<10.0

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2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21		12/14/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/14/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/25/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/04&11/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		03/28/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		09/27/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21D		12/15/2016	**53.9**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**32.5** ^	**13.6**	<10.0
	MW-DUP-2	12/15/2016	**46.5**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**29.2** ^	**13.0**	<10.0
		03/16/2017	**43.6**	**1.6**	**1.8**	**0.12**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**35.7** ^	<10.0	<10.0
		05/17/2017	**90.1**	**2.8**	**3.4**	**0.21**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**60.0** ^	<10.0	<10.0
		07/25/2017	**4.1**	<1.0	**0.18**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/09/2017	**20.1**	<5.0	**1.2**	<0.500 E	<0.500 E	<0.500	<0.500	<0.500	<2.5	<0.500 E	**16.7** ^	<10.0	<10.0
		03/28/2018	**94.3**	**5.9**	**3.9**	**0.20**	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**54.8** ^	**20.4**	<10.0
		06/12&29/2018	**52.9**	**3.8**	**2.7**	**0.28**	**0.25** ^	**0.47**	**0.17**	**0.23**	<0.500	NA	**40.3** ^	**21.5**	<10.0
		09/27/2018	**97.6**	**5.5**	**4.9**	**0.30** ^	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**61.4** ^	**19.2**	<10.0
MW-22		12/14/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/14/2017	**1.8**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/25/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/04&11/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		03/26/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		06/13&29/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		09/27/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-22D		12/14/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/15/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/26/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/04&11/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
		03/26/2018	<1.1	<1.1	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.530	<0.110	<10.5 E	<10.5	<10.5

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
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The following denote the symbol and color of screening level exceedances:
^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
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** = At or Above IDEM RCG 2018 Commercial/Industrial VIGWSLs

Z = Value is unusable based on anlaytical verification. Presented for reference only.

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Semivolatile Organic Compounds (SVOCs) via USEPA Method 8270 Scan & 8270SIM												
			Acenaphthene	Acenapthylene	Anthracene	Benzo(a)-Anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-flouranthene	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	2,4-Dimethylphenol	Di-n-butyl-phthalate[2]
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			530	NE	1,800	0.3	0.2	2.5	NE	25	250	0.25	7.9	360	900
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-23		12/13/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/17/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/26/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/05/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		03/28/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-25D		12/13/2016	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
		03/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		05/18/2017	<2.4	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		07/25/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		10/05/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
		03/29/2018	<1.2	<1.2	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.620	<0.120	<12.5 E	<12.5	<12.5
MW-26D		01/12/2017	**385**	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	**103** ^	<10.0	<10.0
		03/16/2017	**168**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**70.9** ^	<10.0	<10.0
	MW-DUP-2	03/16/2017	**174**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**69.2** ^	<10.0	<10.0
		05/17/2017	**266**	**1.4**	**0.14**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**64.5** ^	<10.0	<10.0
	MW-DUP-2	05/17/2017	**282**	**1.4**	**0.17**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**79.5** ^	<10.0	<10.0
		07/26/2017	**214**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**27.5** ^	<10.0	<10.0
	MW-DUP-2	07/26/2017	**56.2**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**15.8** ^	<10.0	<10.0
		10/13/2017	**221**	**1.2**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**58.9** ^	<10.0	<10.0
	MW-DUP-2	10/13/2017	**208**	**1.4**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**65.4** ^	<10.0	<10.0
		03/29/2018	**193**	**1.6**	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.600	<0.120	**67.5** ^	<11.9	<11.9
	MW-DUP-2	03/29/2018	**206**	<1.1	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.530	<0.110	**68.7** ^	<10.5	<10.5
		06/13/2018	**99.3**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**45.5** ^	<10.0	<10.0
	DUP-1	06/13/2018	**84.4**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	**37.2** ^	<10.0	<10.0
		09/27/2018	**194**	**1.3**	**0.32**	<0.120	<0.120	<0.120	<0.120	<0.120	<0.600	<0.120	**71.9** ^	<11.9	<11.9
	MWDUP-1	09/27/2018	<1.0 Z	<1.0 Z	<0.100 Z	<0.100 Z	<0.100 Z	<0.100 Z	<0.100 Z	<0.100 Z	<0.500 Z	<0.100 Z	<10.0 Z	<10.0 Z	<10.0 Z

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[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL		Semivolatile Organic Compounds (SVOCs) via USEPA Method 8270 Scan & 8270SIM												
		Acenaphthene	Acenapthylene	Anthracene	Benzo(a)-Anthracene	Benzo(a)pyrene	Benzo(b)-fluoranthene	Benzo(g,h,i)-perylene	Benzo(k)-flouranthene	Chrysene	Dibenz(a,h) anthracene	Dibenzofuran	2,4-Dimethylphenol	Di-n-butyl-phthalate[2]
2018 IDEM RCG RESIDENTIAL TAP SLs (^)		530	NE	1,800	0.3	0.2	2.5	NE	25	250	0.25	7.9	360	900
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
2018 IDEM RCG COM/IND VIGWSLs (**)		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Sample ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-27D	01/12/2017	<10.0	<10.0	<10.0	<10.0 E	<10.0 E	<10.0 E	<10.0	<10.0	<10.0	NA	<10.0 E	<10.0	<10.0
	03/16/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	05/17/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	07/26/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	10/05/2017	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	03/28/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.510	<0.100	<10.2 E	<10.2	<10.2
	06/12&28/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
	09/27/2018	<1.0	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
MW-28D	03/15/2017	**31.7**	<1.0	**0.12**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	05/17/2017	**30.1**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	07/26/2017	**15.3**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	10/06/2017	**49.4**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	03/29/2018	**31.7**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0
	06/13&29/2018	**36.5**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	NA	<10.0 E	<10.0	<10.0
	09/26/2018	**47.8**	<1.0	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	<0.100	<10.0 E	<10.0	<10.0

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[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
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TABLE 3

**SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING**

August Mack ENVIRONMENTAL			SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
			4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4		12/15/2016	<10.0 E	**14.0**	**107**	<10.0 E	**45.2** ^	<10.0	**35.8** ^	<10.0	<3.4 E	NA	**37.3**	<10.0	<10.0	BRL
		03/15/2017	<50.0 E	**5.5**	**73.2**	<0.100	**35.1** ^	**1.3**	**37.4** ^	<10.0	<3.4 E	**12.1** ^	**16.3**	<10.0	**3.3**	BRL
		05/16/2017	<50.0 E	**6.0**	**61.8**	<0.100	**25.1** ^	<1.0	**14.9** ^J	<10.0	<3.4 E	**4.7** ^	**16.8**	<10.0	**2.7**	BRL
		07/25/2017	<50.0 E	**2.2**	**18.0**	<0.100	**8.7**	<1.0	**5.2** ^	<10.0	<3.4 E	<1.0	**2.5**	<10.0	**1.4**	BRL
		10/04/2017	<83.3 E	**26.2**	**92.1**	**0.78**	**24.0** ^	<1.7	<1.7	<16.7	<3.4 E	<1.0	**20.7**	<16.7	**16.3**	BRL
		03/27/2018	<20.0 E	**5.6**	**66.5**	<0.100	**31.8** ^	<1.0	**8.2** ^	<10.0	<50.0 E	**14.5** ^	**7.2**	<10.0	**3.0**	BRL
		06/12/2018	<20.0 E	**5.6**	**68.1**	<0.100	**20.1** ^	<1.0	**41.9** ^	<10.0	<50.0 E	<1.1 E	**2.9**	<10.0	**2.7**	BRL
		09/26/2018	<21.5 E	**4.6**	**50.4**	<0.110	**14.4** ^	<1.1	**2.4** ^	<10.8	<53.8 E	<1.0	**3.8**	<10.8	**2.3**	BRL
MW-6		12/15/2016	<10.0 E	**34.9**	**173**	<10.0 E	**55.0** ^	<10.0	**24.1** ^	<10.0	<3.4 E	NA	**20.4**	<10.0	**19.8**	BRL
		03/15/2017	<50.0 E	**3.7**	**75.4**	<0.100	**59.9** ^	**27.4**	**887** **,^	<10.0	<3.4 E	<1.0	**10.9**	<10.0	**2.1**	BRL
		05/16/2017	<50.0 E	<10.0	**65.5**	<1.0	**37.4** ^	**17.8** J	**607** **,^	**28.2**	**1,770** ^	**1,870** ^	<10.0	**33.8**	<10.0	BRL
		07/24/2017	<50.0 E	**3.4**	**66.1**	<0.100	**31.9** ^	**25**	**1,130** **,^	<10.0	**13.3** ^	**81.1** ^	**11.0**	<10.0	**1.8**	BRL
		10/04/2017	<50.0 E	**16.3**	**238**	**0.12**	**6.3**	<1.0	<1.0	<10.0	<3.4 E	<1.1 E	**8.1**	<10.0	**9.1**	BRL
		03/27/2018	**23.5** *	**7.0**	**88.6**	<0.100	**104** ^	**79.8** ^	**1,580** **,^	<10.4	<52.1 E	**14.6** ^	**14.0**	<10.4	**2.9**	BRL
		06/12/2018	<20.0 E	**6.8**	**94.2**	**0.13**	**59.1** ^	**17.8**	**353** *;^	<10.0	<50.0 E	<1.0	**15.7**	<10.0	**3.3**	BRL
		09/26/2018	<20.0 E	**7.3**	**148**	<0.100	**61.7** ^	**42.3** ^	**977** **,^	<10.0	<50.0 E	**1.0** ^	**13.4**	**96.9**	**3.3**	BRL
MW-7D		12/13/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/14/2017	<50.0 E	**3.5**	**1.0**	**<0.100**	**1.1**	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	**2.7**	BRL
		05/16/2017	<50.0 E	**3.6**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	**2.3**	BRL
		07/24/2017	<50.0 E	**1.4**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	**1.2**	BRL
		10/03&11/2017	NA	**3.6**	**2.0**	<0.100	<1.0	<1.0	<1.0	<10.4	<3.4 E	NA	<1.0	<10.4	**2.5**	BRL
		03/27/2018	<20.0 E	**2.7**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	**2.0**	BRL
MW-7DD		12/14/2016	<10.0 E	**58.0**	**155**	<10.0 E	**410** ^	**286** ^	**1,140** **,^	<10.0	<3.4 E	NA	**210**	<10.0	**38.8**	BRL
		03/16/2017	<50.0 E	**11.5**	**137**	<0.100	**294** ^	**161** ^	**894** **,^	<10.0	<3.4 E	<1.1 E	**135**	<10.0	**7.8**	BRL
		05/18/2017	<50.0 E	**14.0**	**208**	<0.100	**427** ^	**231** ^J	**1,590** **,^J	<10.0	<3.4 E	NA	**183**	<10.0	**8.4**	BRL
		07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/04&12/2017	NA	**17.5**	**137**	**0.18**	**152** ^	<1.1	**1.3**	<11.2	<3.4 E	NA	**126**	<11.2	**10.7**	BRL
		03/28/2018	<22.0 E	**8.8**	**98.7**	<0.110	**310** ^	**130** ^	**1,030** **,^	<11.0	<54.9 E	NA	**82.4**	<11.0	**4.5**	BRL
		06/12/2018	<20.0 E	**9.9**	**120**	<0.100	**285** ^	**132** ^	**996** **,^	<10.0	<50.0 E	NA	**99.6**	<10.0	**5.3**	BRL
		09/26/2018	<20.0 E	**13.4**	**157**	<0.100	**346** ^	**146** ^	**1,010** **,^	<10.0	<50.0 E	NA	**153**	**2,620**	**7.8**	BRL

Abbreviations & Notes

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
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The following denote the symbol and color of screening level exceedances:
^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
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TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

			SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
			4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9		12/15/2016	<10.0 E	**34.6**	**83.9**	<10.0 E	**112** ^	**43.6** ^	**312** *,^	<10.0	<3.4 E	NA	**103**	<10.0	**22**	BRL
		03/15/2017	<50.0 E	**7.6**	**51.9**	**0.18**	**69.6** ^	**49.1** ^	**935** **,^	<10.0	<3.4 E	NA	**41.6**	<10.0	**5.2**	BRL
		05/18/2017	<50.0 E	**6.9**	**63.3**	<0.100	**83.2** ^	**34.5**	**895** **,^	<10.0	<3.4 E	NA	**45.2**	<10.0	**3.9**	BRL
		07/25/2017	<50.0 E	**2.0**	**11.5**	**0.13**	**15.2** ^	**2.6**	**75.4** ^	<10.0	<3.4 E	<1.0	**8.9**	<10.0	**1.3**	BRL
		10/04&12/2017	NA	**8.5**	**33.0**	**0.20**	**22.8** ^	<1.1	<1.1	<10.9	<3.4 E	NA	**13.5**	<10.9	**5.0**	BRL
		03/28/2018	<20.0 E	**10.6**	**84.3**	<0.100	**162** ^	**24.6**	**1,230** **,^	<10.0	<50.0 E	NA	**55.5**	<10.0	**5.8**	BRL
	MW-DUP-1	03/28/2018	<20.0 **E**	**10.9**	**94.6**	**0.11**	**193** ^	**19.2**	**1,270** **,^	<10.0	<50.0 E	NA	**67.3**	<10.0	**6.2**	BRL
		06/12/2018	<20.0 **E**	**6.9**	**33.9**	<0.100	**26.0** ^	**1.4**	**45.3** ^	<10.0	<50.0 E	NA	**27.3**	<10.0	**3.3**	BRL
		09/26/2018	<20.0 **E**	**5.8**	**23.3**	<0.100	**25.4** ^	**3.6**	**99.2** ^	<10.0	<50.0 E	NA	**22.8**	<10.0	**3.4**	BRL
MW-10		12/15/2016	<10.0 E	**37.2**	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	**20.9**	BRL
		03/13/2017	<50.0 E	**18.4**	<1.0	**0.39**	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	**10.7**	BRL
		05/15/2017	<50.0 E	**14.0**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	**5.5**	BRL
		07/25/2017	<50.0 E	**8.8**	<1.0	<0.100	<1.0	<1.0	**8.3** ^	<10.0	<3.4 E	NA	<1.0	<10.0	**5.6**	BRL
		10/03&12/2017	NA	**8.5**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		03/27/2018	<20.0 E	**20.6**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	**11.2**	BRL
		06/12/2018	<20.0 E	**16.2**	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	**8.0**	BRL
		09/26/2018	<20.0 E	**15.6**	**1.2**	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	**6.6**	BRL
MW-11		12/14/2016	<10.0 E	<10.0	**134**	<10.0 E	**180** ^	**123** ^	<10.0 E	<10.0	<3.4 E	NA	**130**	<10.0	<10.0	BRL
		03/14/2017	<50.0 E	**2.7**	**87.3**	<0.100	**135** ^	**87.1** ^	**4.6** ^	<10.0	<3.4 E	NA	**85.0**	<10.0	<1.0	BRL
		05/17/2017	<50.0 E	**2.9**	**83.5**	<0.100	**171** ^J	**81.4** ^	**4.2** ^J	<10.0	<3.4 E	NA	**81.6**	<10.0	<1.0	BRL
		07/25/2017	<50.0 E	**1.8**	**59.1**	<0.100	**97.8** ^	**63** ^	**2.3** ^	<10.0	<3.4 E	NA	**58.8**	<10.0	<1.0	BRL
		10/05&12/2017	NA	**3.5**	**110**	<0.100	**164** ^	**99.7** ^	**3.4** ^	<10.0	<3.4 E	NA	**103**	<10.0	<1.0	BRL
		03/28/2018	<20.0 E	**3.3**	**86.3**	<0.100	**141** ^	**90.2** ^	**4.4** ^	<10.0	<50.0 E	NA	**72.3**	<10.0	<1.0	BRL
		06/12/2018	<20.0 E	**2.9**	**75.6**	<0.100	**91.9** ^	**57.9** ^	**2.0** ^	<10.0	<50.0 E	NA	**78.0**	<10.0	<1.0	BRL
		09/26/2018	<20.0 E	**4.2**	**98.0**	<0.100	**141** ^	**87.5** ^	**3.4** ^	<10.0	<50.0 E	NA	**94.4**	**39.5**	**1.3**	BRL
MW-12		12/14/2016	<10.0 E	<10.0	**46.0**	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/14/2017	<50.0 E	<1.0	**10.5**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		05/15/2017	<50.0 E	<1.0	**8.2**	<0.100	<3.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		07/25/2017	<50.0 E	<1.0	**1.3**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/03&12/2017	NA	<1.0	**22.8**	<0.100	**3.6**	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		03/27/2018	<21.5 E	<1.1	**5.5**	<0.110	**2.4**	<1.1	<1.1	<10.8	<53.8 E	NA	<1.1	<10.8	<1.1	BRL

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:
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TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER
ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING

			SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)														
			4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-14D		12/14/2016	<10.0 E	<10.0	**96.4**	<10.0 E	**94.5** ^	**50.8** ^	**189** *;^	<10.0	<3.4 E	NA	**76.1**	<10.0	<10.0	BRL
	MW-DUP-1	12/14/2016	<10.0 E	<10.0	**97.9**	<10.0 E	**95.1** ^	**51.0** ^	**158** *;^	<10.0	<3.4 E	NA	**76.2**	<10.0	<10.0	BRL
		03/14/2017	<50.0 E	**6.5**	**119**	<0.100	**112** ^	**50.2** ^	**273** *;^	<10.0	<3.4 E	NA	**88.6**	<10.0	**4.2**	BRL
		05/16/2017	<50.0 E	**44.6**	**99.4**	**0.72**	**66.1** ^	**32.4**	**110** *;^	<10.0	<3.4 E	<1.1 E	**128**	<10.0	**24.5**	BRL
		07/25/2017	<50.0 E	<1.0	**5.6**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		10/06&11/2017	<50.0 E	**10.0**	**126**	**0.15**	**88.7** ^	**3.0**	<1.0	<10.0	<3.4 E	<1.0	**89.9**	<10.0	**5.8**	BRL
		03/27/2018	<20.0 E	**5.3**	**76.0**	<0.100	**59.7** ^	<1.0	<1.0	<10.0	<50.0 E	<1.1 E	**43.1**	<10.0	**3.1**	BRL
		06/12/2018	<20.0 E	**4.6**	**60.1**	<0.100	**49.4** ^	**18.8**	**69.6** ^	<10.0	<50.0 E	<1.0	**45.3**	<10.0	**2.5**	BRL
		09/26/2018	<20.0 E	**10.9**	**134**	<0.100	**106** ^	**43.6** ^	**146** *;^	<10.0	<50.0 E	<1.0	**97.0**	<10.0	**6.5**	BRL
MW-17		12/15/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/15/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		05/17/2017	<50.0 E	<1.0	<1.0	<0.100	<3.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		10/05/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		03/26/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
		06/12/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	<1.0	<1.0	<10.0	<1.0	BRL
		09/26/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	<1.1 E	<1.0	<10.0	<1.0	BRL
MW-18		12/13/2016	<10.0 E	<10.0	<10.0	<10.0 E	**89.5** ^	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/15/2017	<50.0 E	<1.0	**6.5**	<0.100	**84.5** ^	**2.7**	**2.8** ^	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		05/16/2017	<50.0 E	<1.0	**8.2**	<0.100	**68.9** ^	**1.1** J	**1.8** ^J	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		07/25/2017	<50.0 E	<1.0	**1.4**	<0.100	**44.3** ^	**1.1**	**1.3**	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/05/2017	<50.0 E	<1.0	**11.8**	<0.100	**133** ^	**5.2**	**4.0** ^	<10.0	<3.4 E	NA	**1.5**	<10.0	<1.0	BRL
		03/28/2018	<20.6 E	<1.0	**17.5**	<0.100	**101** ^	**4.7**	**3.2** ^	<10.3	<51.5 E	NA	<1.0	<10.3	<1.0	BRL
		06/12/2018	<20.0 E	<1.0	**6.7**	<0.100	**78.7** ^	**5.8**	**1.6**	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
		09/27/2018	<25.0 E	<1.2	**20.7**	<0.120	**92.7** ^	**10.2**	**1.9** ^	<12.5	<62.5 E	NA	<1.2	<12.5	<1.2	BRL

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FORMER COLUMBUS WOOD TREATING**

			SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
			4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	**DUP ID**	**Date Collected**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D		12/15/2016	<10.0 E	**13.5**	**125**	<10.0 E	**190** ^	**283** ^	**3,250** **,^	<10.0	<3.4 E	NA	**98.9**	<10.0	**11.0**	BRL
		03/14/2017	<50.0 E	**8.8**	**120**	**0.19**	**163** ^	**216** ^	**1,710** **,^	<10.0	<3.4 E	NA	**88.4**	<10.0	**6.5**	BRL
	MW-DUP-1	03/14/2017	<50.0 E	**7.3**	**122**	<0.100	**153** ^	**209** ^	**1,660** **,^	<10.0	<3.4 E	NA	**96.1**	<10.0	**4.7**	BRL
		05/17/2017	<50.0 E	**9.3**	**207**	<0.100	**277** ^	**382** ^	**3,310** **;^J	<10.0	<3.4 E	<1.0	**140**	<10.0	**5.1**	BRL
	MW-DUP-1	05/17/2017	<50.0 E	**9.3**	**196**	<0.100	**261** ^	**366** ^	**2,760** **;^J	<10.0	<3.4 E	<1.0	**134**	<10.0	**5.2**	BRL
		07/26/2017	<50.0 E	**7.0**	**151**	<0.100	**204** ^	**253** ^	**1,930** **,^	<10.0	<3.4 E	NA	**110**	<10.0	**4.3**	BRL
	MW-DUP-1	07/26/2017	<50.0 E	**2.6**	**61.4**	<0.100	**64.7** ^	**82.8** ^	**1,240** **,^	<10.0	<3.4 E	NA	**44.2**	<10.0	**1.6**	BRL
		10/09/2017	<50.0 E	**17.7**	**250**	**0.3**	**373** ^	**504** ^	**3,510** **,^	<10.0	<3.4 E	NA	**182**	<10.0	**9.6**	BRL
	MW-DUP-1	10/09/2017	<50.0 E	**17.4**	**239**	**0.5**	**351** ^	**499** ^	**3,300** **,^	<10.0	<3.4 E	NA	**174**	<10.0	**9.2**	BRL
		03/29/2018	<21.5 E	**5.3**	**94.3**	<0.110	**206** ^	**285** ^	**2,010** **,^	<10.8	<53.8 E	NA	**64.8**	<10.8	**3.2**	BRL
		06/13/2018	<20.0 E	**1.6**	**12.9**	<0.100	**9.3**	**4.4**	**60.9** ^	<10.0	<50.0 E	NA	**2.9**	<10.0	<1.0	BRL
		09/27/2018	<21.1 E	**3.8**	**64.8**	<0.110	**76.9** ^	**166** ^	**1,260** **,^	<10.5	<52.6 E	NA	**54.1**	<10.5	**2.0**	BRL
MW-19		12/14/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/15/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	**1.6**	<10.0	<1.0	BRL
		05/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/06/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		03/28/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
MW-20		12/14/2016	<10.0 E	<10.0	**13.3**	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/14/2017	<50.0 E	<1.0	**10.0**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		05/15/2017	<50.0 E	<1.0	**5.8**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		07/26/2017	<50.0 E	<1.0	**2.4**	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/04&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	<20.0 E	<1.0	**4.7**	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
		06/12&29/2018	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
		09/26/2018	<20.0 E	<1.0	**4.7**	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
MW-20D		12/14/2016	<10.0 E	**37.0**	**83.5**	<10.0 E	**83.5** ^	**107** ^	**738** **,^	<10.0	<3.4 E	NA	**117**	<10.0	**23.9**	BRL
		03/15/2017	<50.0 E	**3.9**	**45.6**	<0.100	**50.0** ^	**49.1** ^	**623** **,^	<10.0	<3.4 E	NA	**38.9**	<10.0	**2.7**	BRL
		05/17/2017	<50.0 E	**5.3**	**64.9**	<0.100	**75.4** ^	**89.7** ^	**1,360** **,^	<10.0	<3.4 E	<1.0	**50.4**	<10.0	**3.2**	BRL
		07/26/2017	<50.0 E	**3.0**	**54.2**	<0.100	**54.3** ^	**64.6** ^	**1,230** **,^	<10.0	<3.4 E	<1.1 E	**40.0**	<10.0	**1.9**	BRL
		10/09/2017	<50.0 E	**8.6**	**85.7**	<0.100	**123** ^	**142** ^	**1,380** **,^	<10.0	<3.4 E	<1.0	**72.3**	<10.0	**5.1**	BRL
		03/28/2018	<20.0 E	**5.2**	**70.9**	<0.100	**129** ^	**162** ^	**1,850** **,^	<10.0	<50.0 E	<1.1 E	**47.4**	<10.0	**2.7**	BRL
		06/12&29/2018	NA	**4.0**	**47.7**	<0.100	**75.7** ^	**96.3** ^	**916** **,^	<10.0	<50.0 E	<1.0	**38.8**	<10.0	**2.2**	BRL
		09/26/2018	<20.0 E	**4.9**	**57.0**	<0.100	**63.5** ^	**95.4** ^	**1,080** **,^	<10.0	<50.0 E	<1.0	**46.4**	<10.0	**2.9**	BRL

Abbreviations & Notes

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USEPA = United States Environmental Protection Agency
Naphthalene, 1-Methylnaphthalene, and 2-methylnaphthalene reported exclusively from USEPA 8270 SIM analysis.
All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:
^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
** = At or Above IDEM RCG 2018 Commercial/Industrial VIGWSLs

Z = Value is unusable based on anlaytical verification. Presented for reference only.

TABLE 3

SUMMARY OF HISTORICAL GROUNDWATER
ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL		SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
		4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)		1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)		NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)		NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	12/14/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
	03/14/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	05/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	07/25/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
	10/04&11/2017	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	03/28/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	09/27/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-21D	12/15/2016	<10.0 E	**11.7**	**37.8**	<10.0 E	**46.3** ^	**63.7** ^	**1,020** **,^	<10.0	<3.4 E	NA	**33.2**	<10.0	<10.0	BRL
MW-DUP-2	12/15/2016	<10.0 E	**11.1**	**32.0**	**<10.0** E	**60.9** ^	**83.6** ^	**1,310** **,^	<10.0	<3.4 E	NA	**30.5**	<10.0	<10.0	BRL
	03/16/2017	<50.0 E	**2.5**	**26.1**	<0.100	**37.7** ^	**43.1** ^	**745** **,^	<10.0	<3.4 E	<1.0	**21.7**	<10.0	**1.6**	BRL
	05/17/2017	<50.0 E	**5.1**	**53.4**	<0.100	**65.1** ^	**83.1** ^	**1,550** **,^	<10.0	<3.4 E	<1.0	**44.1**	<10.0	**2.8**	BRL
	07/25/2017	<50.0 E	<1.0	**1.6**	<0.100	**2.8**	<1.0	**5.3** ^	<10.0	<3.4 E	<1.0	**1.1**	<10.0	<1.0	BRL
	10/09/2017	<50.0 E	<5.0	**13.0**	<0.500	**21.2** ^	<5.0	**121** *;^	<10.0	<3.4 E	<1.0	**13.6**	<10.0	<5.0	BRL
	03/28/2018	<20.0 E	**5.9**	**58.8**	<0.100	**86.0** ^	**208** ^	**2,000** **,^	<10.0	<50.0 E	<1.1 E	**40.6**	**13.3**	**2.8**	BRL
	06/12&29/2018	NA	**3.7**	**37.9**	**0.18**	**42.1** ^	**73.1** ^	**908** **,^	<10.0	<50.0 E	<1.0	**27.2**	**12.2**	**2.0**	BRL
	09/27/2018	<20.0 E	**5.8**	**60.5**	<0.100	**68.8** ^	**187** ^	**1,810** **,^	<10.0	<50.0 E	<1.1 E	**51.6**	**10.6**	**3.1**	BRL
MW-22	12/14/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
	03/14/2017	<50.0 E	<1.0	**1.0**	**<0.100**	**1.7**	**2.2**	**13.6** ^	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	05/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	07/25/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	10/04&11/2017	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	03/26/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	06/13&29/2018	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	09/27/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
MW-22D	12/14/2016	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
	03/15/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	05/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	10/04&11/2017	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
	03/26/2018	<21.1 E	<1.1	<1.1	<0.110	<1.1	<1.1	<1.1	<10.5	<52.6 E	NA	<1.1	<10.5	<1.1	BRL

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[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
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TABLE 3

**SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING**

			SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
			4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			**1.5**	**800**	**290**	**2.5**	**11**	**36**	**1.7**	**930**	**1**	**1**	**NE**	**5,800**	**120**	**Varies**
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**110**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**Varies**
2018 IDEM RCG COM/IND VIGWSLs (**)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**460**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**Varies**
Sample ID	**DUP ID**	**Date Collected**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
MW-23		12/13/2016	<50.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		05/17/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		10/05/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
		03/28/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
MW-25D		12/13/2016	<50.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		05/18/2017	<50.0 E	<1.0	<1.0	<0.100	<3.0	<3.3	<17.5 E	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		07/25/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		10/05/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	<1.0	<1.0	<10.0	<1.0	BRL
		03/29/2018	<25.0 E	<1.2	<1.2	<0.120	<1.2	<1.2	<1.2	<12.5	<62.5 E	<1.1 E	<1.2	<12.5	<1.2	BRL
MW-26D		01/12/2017	<50.0 E	<10.0	**136**	<10.0 E	**566 ^**	**567 ^**	**4,130 **,^**	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
		03/16/2017	<50.0 E	<1.0	**70.4**	<0.100	**205 ^**	**217 ^**	**1,550 **,^**	<10.0	<3.4 E	<1.0	**2.2**	<10.0	<1.0	BRL
	MW-DUP-2	03/16/2017	<50.0 E	<1.0	**68.2**	<0.100	**203 ^**	**215 ^**	**1,690 **,^**	<10.0	<3.4 E	<1.0	**2**	<10.0	<1.0	BRL
		05/17/2017	<50.0 E	<1.0	**86.9**	<0.100	**309 ^**	**347 ^**	**2,050 **;^J**	<10.0	<3.4 E	<1.0	**3.9**	<10.0	<1.0	BRL
	MW-DUP-2	05/17/2017	<50.0 E	<1.0	**98.3**	<0.100	**334 ^**	**371 ^**	**2,360 **;^J**	<10.0	<3.4 E	NA	**4.3**	<10.0	<1.0	BRL
		07/26/2017	<50.0 E	<1.0	**93.2**	<0.100	**235 ^**	**268 ^**	**1,650 **,^**	<10.0	<3.4 E	<1.2 E	**5.4**	<10.0	<1.0	BRL
	MW-DUP-2	07/26/2017	<50.0 E	<1.0	**23.6**	<0.100	**55.4 ^**	**64.0 ^**	**659 **,^**	<10.0	<3.4 E	<1.2 E	**1.7**	<10.0	<1.0	BRL
		10/13/2017	<50.0 E	<1.0	**73.5**	<0.100	**360 ^**	**377 ^**	**2,070 **,^**	<10.0	<3.4 E	<1.0	**4.0**	<10.0	<1.0	BRL
	MW-DUP-2	10/13/2017	<50.0 E	<1.0	**83.6**	<0.100	**332 ^**	**349 ^**	**1,920 **,^**	<10.0	<3.4 E	<1.0	**4.6**	<10.0	<1.0	BRL
		03/29/2018	<23.8 E	<1.2	**92.5**	<0.120	**273 ^**	**364 ^**	**1,280 **,^**	<11.9	<59.5 E	<1.1 E	**6.2**	<11.9	<1.2	BRL
	MW-DUP-2	03/29/2018	<21.1 E	<1.1	**87.5**	<0.110	**250 ^**	**330 ^**	**1,360 **,^**	<10.5	<52.6 E	<1.1 E	**6.7**	<10.5	<1.1	BRL
		06/13/2018	<20.0 E	<1.0	**52.2**	<0.100	**116 ^**	**158 ^**	**508 **,^**	<10.0	<50.0 E	<1.0	**3.7**	<10.0	<1.0	BRL
	DUP-1	06/13/2018	<20.0 E	<1.0	**41.9**	<0.100	**115 ^**	**159 ^**	**529 **,^**	<10.0	<50.0 E	<1.0	**3.0**	<10.0	<1.0	BRL
		09/27/2018	<23.8 E	<1.2	**85.6**	<0.120	**250 ^**	**356 ^**	**1,020 **,^**	<11.9	<59.5 E	<1.0	**7.3**	<11.9	<1.2	BRL
	MWDUP-1	09/27/2018	<20.0 Z	<1.0 Z	<1.0 Z	<0.100 Z	<1.0 Z	<1.0 Z	<1.0 Z	<10.0 Z	<50.0 Z	<1.1 E	<1.0 Z	**64.4** Z	<1.0 Z	BRL

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[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:
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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL		SVOCs via USEPA Method 8270 Scan & 8270SIM (cont.)													
		4,6-Dinitro-2-methyl phenol	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	2-Methylphenol (o-cresol)	Pentachlorophenol[1]	Pentachlorophenol (as pesticide via 8151)	Phenanthrene	Phenol	Pyrene	All Other Analyzed SVOCs
2018 IDEM RCG RESIDENTIAL TAP SLs (^)		1.5	800	290	2.5	11	36	1.7	930	1	1	NE	5,800	120	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)		NE	NE	NE	NE	NE	NE	110	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)		NE	NE	NE	NE	NE	NE	460	NE	NE	NE	NE	NE	NE	Varies
Sample ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-27D	01/12/2017	<50.0 E	<10.0	<10.0	<10.0 E	<10.0	<10.0	<10.0 E	<10.0	<3.4 E	NA	<10.0	<10.0	<10.0	BRL
	03/16/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	6.9 ^	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	05/17/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	07/26/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	10/05/2017	<50.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	03/28/2018	<20.4 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.2	<51.0 E	NA	<1.0	<10.2	<1.0	BRL
	06/12&28/2018	NA	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	09/27/2018	<20.0 E	<1.0	<1.0	<0.100	<1.0	<1.0	<1.0	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
MW-28D	03/15/2017	<50.0 E	<1.0	<1.0	<0.100	52.8 ^	8.7	42.9 ^	<10.0	<3.4 E	<1.1 E	<1.0	<10.0	<1.0	BRL
	05/17/2017	<50.0 E	<1.0	<1.0	<0.100	19.8 ^	<1.0	<1.0	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	07/26/2017	<50.0 E	<1.0	<1.0	<0.100	5.2	1.3	8.0 ^	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	10/06/2017	<50.0 E	<1.0	<1.0	<0.100	95.9 ^	33.6	236 *;^	<10.0	<3.4 E	NA	<1.0	<10.0	<1.0	BRL
	03/29/2018	<20.0 E	<1.0	<1.0	<0.100	5.6	<1.0	2.2 ^	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	06/13&29/2018	NA	<1.0	<1.0	<0.100	46.4 ^	9.2	63.9 ^	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL
	09/26/2018	<20.0 E	<1.0	<1.0	<0.100	61.0 ^	17.3	2.4 ^	<10.0	<50.0 E	NA	<1.0	<10.0	<1.0	BRL

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR^{+6} analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Total Metals via USEPA Method 6010 & 7470 & 7196										
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	**29.8** ^	NA	**156**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**20.0**	BRL
		05/16/2017	**20.3** ^	NA	**104**	NA	**2.0**	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	**21.8** ^	NA	**129**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04/2017	**19.8** ^	NA	**124**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/27/2018	**20.3** ^	NA	**178**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	**12.7** ^	<5.0	**175**	NA	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-6		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	**32.1** ^	NA	**698**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		05/16/2017	**71.2** ^	NA	**1,130**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/24/2017	**42.2** ^	NA	**700**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04/2017	<10.0	NA	**148**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/27/2018	**35.7** ^	NA	**636**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	**29.8** ^	**13.3** ^	**481**	NA	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	**20.2** ^	**17.6** ^	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-7D		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**149**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**17.3**	BRL
		05/16/2017	<10.0	NA	**163**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/24/2017	<10.0	NA	**165**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/03&11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/27/2018	<10.0	NA	**156**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
MW-7DD		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<10.0	NA	**134**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**18.8**	BRL
		05/18/2017	<10.0	NA	**160**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**12.8**	BRL
		07/26/2017	<10.0	NA	**138**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&12/2017	<10.0	NA	**154**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**132**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	<10.0	NA	**129**	NA	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA

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TABLE 3

**SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING**

August Mack ENVIRONMENTAL			Total Metals via USEPA Method 6010 & 7470 & 7196										
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	**DUP ID**	**Date Collected**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
MW-9		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	**17.9** ^	NA	**165**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.7**	BRL
		05/18/2017	**23.7** ^	NA	**211**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	**10.8** ^	NA	**134**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	**22.3** ^	NA	**110**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-1	03/28/2018	**21.5** ^	NA	**111**	NA	<2.0	<10.0	<10.0 **E**	<10.0 **E**	<10.0	<10.0	BRL
		06/12/2018	<10.0	<5.0	**113**	NA	<2.0	<10.0	<0.150	<10.0 **E**	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-10		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/13/2017	<10.0	NA	**73.0**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**16.5**	BRL
		05/15/2017	<10.0	NA	**102**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**80.7**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/03&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/27/2018	<10.0	NA	**85.4**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	<10.0	NA	**84.5**	NA	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-11		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	**32.9** ^	NA	**221**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.2**	BRL
		05/17/2017	**32.3** ^	NA	**247**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	**29.7** ^	NA	**235**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	**25.9** ^	NA	**251**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	**26.6** ^	**5.9**	**203**	NA	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-12		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**424**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**16.5**	BRL
		05/15/2017	<10.0	NA	**476**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**553**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/03&12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/27/2018	<10.0	NA	**547**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL

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			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			**10**	**10**	**2,000**	**NE**	**NE**	**100**	**0.35**	**6**	**15**	**86**	**Varies**
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**Varies**
2018 IDEM RCG COM/IND VIGWSLs (**)			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**Varies**
Sample ID	**DUP ID**	**Date Collected**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**	**µg/L**
MW-14D		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-DUP-1	12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**176**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**18.0**	BRL
		05/16/2017	<10.0	NA	**256**	NA	<2.0	**138 ^**	<10.0 E	**10.1 ^**	**31.8 ^**	**38.3**	BRL
		07/25/2017	<10.0	NA	**182**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/06&11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/27/2018	<10.0	NA	**200**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	<10.0	<5.0	**183**	**180**	<2.0	<10.0	<0.150	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-17		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<10.0	NA	**191**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.7**	BRL
		05/17/2017	**11.9 ^**	NA	**219**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	**10.8 ^**	NA	**181**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05/2017	<10.0	NA	**164**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/26/2018	**11.2 ^**	NA	**290**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	<10.0	<5.0	**184**	NA	<2.0	<10.0	<0.060	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-18		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	**19.1 ^**	NA	**363**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**18.5**	BRL
		05/16/2017	**16.6 ^**	NA	**331**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	**10.5 ^**	NA	**300**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05/2017	**13.4 ^**	NA	**334**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	**14.9 ^**	NA	**364**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12/2018	**12.0 ^**	<5.0	**332**	NA	<2.0	<10.0	<0.060	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA

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All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING

			Total Metals via USEPA Method 6010 & 7470 & 7196										
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-18D		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**227**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.6**	BRL
	MW-DUP-1	03/14/2017	<10.0	NA	**225**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**17.4**	BRL
		05/17/2017	<10.0	NA	**234**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-1	05/17/2017	<10.0	NA	**238**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**220**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-1	07/26/2017	<10.0	NA	**223**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/09/2017	<10.0	NA	**222**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-1	10/09/2017	<10.0	NA	**219**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/29/2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		06/13/2018	<10.0	NA	**199**	NA	<2.0	<10.0	<0.060	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-19		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<10.0	NA	**175**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.3**	BRL
		05/16/2017	<10.0	NA	**136**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**139**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/06/2017	<10.0	NA	**135**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**130**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
MW-20		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	**18.9** ^	NA	**138**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**18.5**	BRL
		05/15/2017	**11.7** ^	NA	**188**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**239**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&12/2017	**14.8** ^	NA	**123**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	**14.6** ^	NA	**136**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12&29/2018	**12.8** ^	<5.0	**137**	NA	<2.0	<10.0	**0.140**	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-20D		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<10.0	NA	**180**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**17.9**	BRL
		05/17/2017	<10.0	NA	**192**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**190**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/09/2017	<10.0	NA	**186**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**197**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12&29/2018	<10.0	NA	**188**	NA	<2.0	<10.0	**0.147**	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA

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Where low level CR*[6] analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
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The following denote the symbol and color of screening level exceedances:

^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER COLUMBUS WOOD TREATING

August Mack ENVIRONMENTAL			Total Metals via USEPA Method 6010 & 7470 & 7196										
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**83.6**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**19.3**	BRL
		05/16/2017	<10.0	NA	**86.6**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**90.3**	NA	<2.0	**22.9**	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/28/2018	<10.0	NA	**87.0**	NA	<2.0	**13.5**	**10.0** ^	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	**12.3** ^	NA	NA	NA	NA
MW-21D		12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW-DUP-2	12/15/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<10.0	NA	**270**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		05/17/2017	<10.0	NA	**254**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**167**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/09/2017	<10.0	NA	**257**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**276**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12&29/2018	<10.0	NA	**257**	NA	<2.0	<10.0	**0.140**	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-22		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/14/2017	<10.0	NA	**73.4**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		05/16/2017	<10.0	NA	**66.2**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**73.1**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/26/2018	<10.0	NA	**89.8**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/13&29/2018	<10.0	NA	**66.8**	NA	<2.0	<10.0	**17.7** ^	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	**1.51** ^	NA	NA	NA	NA
MW-22D		12/14/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/2017	<10.0	NA	**228**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**18.5**	BRL
		05/16/2017	<10.0	NA	**262**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**251**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/04&11/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/26/2018	<10.0	NA	**286**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL

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SUMMARY OF HISTORICAL GROUNDWATER ANALYTICAL RESULTS FORMER COLUMBUS WOOD TREATING

			Total Metals via USEPA Method 6010 & 7470 & 7196										
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-23		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<10.0	NA	**258**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**23.7**	BRL
		05/17/2017	<10.0	NA	**286**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**322**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05/2017	<10.0	NA	**274**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**395**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
MW-25D		12/13/2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<10.0	NA	**231**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		05/18/2017	<10.0	NA	**227**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/25/2017	<10.0	NA	**105**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05/2017	<10.0	NA	**221**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/29/2018	<10.0	NA	**234**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
MW-26D		01/12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	**41.0** ^	NA	**433**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-2	03/16/2017	**42.8** ^	NA	**445**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		05/17/2017	**44.4** ^	NA	**409**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-2	05/17/2017	**42.2** ^	NA	**412**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**10.5**	BRL
		07/26/2017	**41.5** ^	NA	**392**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**11.1**	BRL
	MW-DUP-2	07/26/2017	**37.0** ^	NA	**345**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/13/2017	**46.7** ^	NA	**388**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-2	10/13/2017	**46.2** ^	NA	**382**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/29/2018	**44.3** ^	NA	**352**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
	MW-DUP-2	03/29/2018	**42.4** ^	NA	**347**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/13/2018	**43.4** ^	**6.0**	**351**	NA	<2.0	<10.0	<0.060	<10.0 E	<10.0	<10.0	BRL
	DUP-1	06/13/2018	**40.4** ^	**5.8**	**349**	NA	<2.0	<10.0	<0.060	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
	MWDUP-1	09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA

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			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Chromium	Hexavalent Chromium (via 7196/7199)	Cobalt	Lead	Vanadium	All Other Analyzed Metals
2018 IDEM RCG RESIDENTIAL TAP SLs (^)			10	10	2,000	NE	NE	100	0.35	6	15	86	Varies
2018 IDEM RCG RESIDENTIAL VIGWSLs (*)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
2018 IDEM RCG COM/IND VIGWSLs (**)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-27D		01/12/2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/2017	<10.0	NA	**437**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**20.7**	BRL
		05/17/2017	<10.0	NA	**468**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		07/26/2017	<10.0	NA	**467**	NA	<2.0	**10.1**	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/05/2017	<10.0	NA	**408**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/28/2018	<10.0	NA	**428**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/12&28/2018	<10.0	NA	**403**	NA	<2.0	<10.0	**0.180**	<10.0 E	<10.0	<10.0	BRL
		09/27/2018	NA	NA	NA	NA	NA	NA	<0.150	NA	NA	NA	NA
MW-28D		03/15/2017	**27.8** ^	NA	**417**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	**22.8**	BRL
		05/17/2017	**30.0** ^	NA	**453**	NA	<2.0	<10.0	<10.0 E	<10.0 E	**10.4**	<10.0	BRL
		07/26/2017	**25.4** ^	NA	**464**	NA	<2.0	**12.3**	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		10/06/2017	**27.7** ^	NA	**526**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		03/29/2018	**30.5** ^	NA	**596**	NA	<2.0	<10.0	<10.0 E	<10.0 E	<10.0	<10.0	BRL
		06/13&29/2018	**31.4** ^	**11.6** ^	**627**	NA	<2.0	<10.0	**0.111**	<10.0 E	<10.0	<10.0	BRL
		09/26/2018	**31.3** ^	**28.4** ^	NA	NA	NA	NA	<0.150	NA	NA	NA	NA

Abbreviations & Notes

IDEM = Indiana Department of Environmental Management; RCG = Remediation Closure Guide
E = Reporting limit (RL) exceeds closure level due to dilution and/or method limitations.
NE = Not Established; NA = Not Analyzed; BRL = Below Laboratory Reporting Limits
J = Value is estimated based on quality control criteria; MDL = Method Detection Limit
USEPA = United States Environmental Protection Agency
Naphthalene, 1-Methylnaphthalene, and 2-methylnaphthalene reported exclusively from USEPA 8270 SIM analysis.
All results and IDEM Screening Levels are reported in micrograms per liter (µg/L).
Where low level CR^{+6} analysis was not performed, results are reported to the MDL
[1] = Pentachlorophenol evaluated to laboratory MDL of 3.4 µg/L.
[2] = Common Laboratory Artifact

The following denote the symbol and color of screening level exceedances:

^ = At or Above IDEM RCG 2018 Residential Tap Water SLs
* = At or Above IDEM RCG 2018 Residential Vapor Intrusion Groundwater SLs (VIGWSLs)
** = At or Above IDEM RCG 2018 Commercial/Industrial VIGWSLs

Z = Value is unusable based on anlaytical verification. Presented for reference only.

APPENDIX A

Field Procedures

MONITORING WELL WATER LEVEL MEASUREMENTS

Water level measurements were collected from each monitoring well prior to groundwater sampling. After removing the well cap from each well within the network, sufficient time was allowed for the water level to equilibrate with the ambient air pressure.

Prior to water level measuring, the existing reference point on the well casing was determined. An oil-water interface meter was slowly lowered into the well until the intermittent tone, indicating the presence of water, was audible. The meter was then slowly pulled out a few inches, and dropped back down at smaller increments until the water level could be determined to within 0.01 feet (ft). The water level was measured based on an existing reference point on the well casing. Following sampling activities, the total depth of the well was then measured and recorded to the nearest 0.01 ft by allowing the measuring tape to contact the base of the well. The oil-water interface meter was decontaminated before and after each use with a non-phosphate detergent (Liquinox®) wash, followed by tap water and distilled water rinses to prevent cross contamination.

MONITORING WELL FREE PRODUCT MEASUREMENTS

Each monitoring well was gauged for the presence of separate phase free product using an oil-water interface meter prior to groundwater sampling. After removing the well cap from each well within the network, sufficient time was allowed for the water level to equilibrate with the ambient air pressure.

Prior to measuring, the existing reference point on the well casing was determined. The oil-water interface meter was slowly lowered into the well until a steady tone and red light on the probe was observed, indicating the presence of free product. The meter was then slowly pulled out a few inches, and dropped back down at smaller increments until the free product level could be determined to within 0.01 feet (ft). The free product level was measured based on an existing reference point on the well casing. The total depth of the well was then measured and recorded to the nearest 0.01 ft by allowing the measuring tape to contact the base of the well. Using the measured depth to free product and the total depth of each monitoring well, the total product thickness within each well was determined. The oil-water interface meter was decontaminated before and after each use with a non-phosphate detergent (Liquinox®) wash, followed by tap water and distilled water rinses to prevent cross contamination.

LOW FLOW GROUNDWATER SAMPLING

Low-flow sampling was conducted in general accordance with U.S. EPA low-flow sampling procedures (U.S. EPA, 1996). Prior to groundwater sample collection, water level measurements were collected from each well. After removing the well cap, sufficient time was allowed for the water level to equilibrate with the ambient air pressure. The water level indicator was decontaminated before and after each use with a non-phosphate detergent (Liquinox®) wash, followed by tap water and distilled water rinses to prevent cross contamination.

Prior to sampling, a plastic secondary containment area was constructed near the well casing. The water quality monitoring equipment was placed inside the secondary containment to prevent direct contact between the equipment and site surface. August Mack utilized a Geotech Bladder Pump system (or equivalent) to purge and sample the well. The pump was decontaminated prior to purging and sampling using a phosphate-free detergent and triple rinsed. The pump was attached to ¼-inch inside diameter (i.d.) by 3/8-inch outside diameter (o.d.) low-density polyethylene (LDPE) tubing. New tubing was used for each well, and the tubing was discarded after each use. For each well, the pump was slowly lowered into the water column and the submersible pump intake was placed at the approximated midpoint of the submerged portion of the well screen, or the midpoint of the zone which was sampled.

In accordance with U.S. EPA guidance, flow rates for the well purging and sampling were maintained below 1.0 liter/minute (generally within the range of 100 to 400 milliliter/minute) and drawdown of the aquifer was continually measured to ensure that it remained less than four (4) inches. During the well purging, groundwater physical and chemical characteristics were measured using a multi-parameter water quality meter connected to an in-line flow cell. These characteristics included: turbidity, dissolved oxygen (DO), temperature, pH, specific conductance, and oxidation reduction potential (ORP).

Once stable conditions were achieved, water samples were obtained using the low-flow equipment and collected in laboratory supplied sample containers. The purge water generated during well sampling was containerized (55-gallon steel drum), properly labeled, and properly disposed. Following sampling, the well was closed and locked.

APPENDIX B

Groundwater Sampling/Purge Records

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-4**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018 GW Sampling	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	27 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	27.45 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	24.78 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	20.89 ft	Pump Placement from TOC	22.78 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:03:00	6.78	1011.02	2.59	0.26	16.80	-96.82	20.81
2	0:06:00	6.78	1012.42	3.09	0.23	16.73	-99.36	20.81
3	0:09:00	6.80	1018.49	2.74	0.19	16.64	-103.28	20.81
4	0:12:00	6.81	1015.50	3.31	0.21	16.61	-104.19	20.81
5	0:15:00	6.82	1017.18	4.00	0.20	16.66	-106.24	20.81
Variance in last 3 readings		0.01	0.60%	-11.57%	-17.88%	-0.51%	-3.91	0.00
		0.01	-0.29%	21.03%	8.82%	-0.16%	-0.91	0.00
		0.01	0.17%	20.71%	-5.56%	0.25%	-2.06	0.00

Logged Drawdown	-0.08 ft

Notes:

Weather Conditions: Rainy, Overcast, and 60°F

Purge Start Time: 08:05

Sample ID: MW-4-29180926

QA/QC: Not Applicable

Volume Purged: 6 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-6**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/ 3Q2018 GW Sampling	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	28 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	230 (ml/min)
Historic Total Well Depth	27.82 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	27.71 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	19.70 ft	Pump Placement from TOC	24 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:06:00	6.98	1006.53	8.84	0.37	18.13	-238.57	19.71
2	0:09:00	6.99	1008.63	6.11	0.33	17.99	-242.78	19.71
3	0:12:00	7.00	1007.32	3.88	0.29	17.91	-246.38	19.71
4	0:15:00	7.00	1008.99	3.08	0.27	17.89	-249.17	19.71
5	0:18:00	7.00	1007.63	1.98	0.25	17.82	-250.11	19.71
Variance in last 3 readings		0.00	-0.13%	-36.55%	-10.39%	-0.48%	-3.61	0.00
		0.00	0.17%	-20.74%	-8.48%	-0.06%	-2.78	0.00
		0.00	-0.13%	-35.51%	-6.66%	-0.43%	-0.94	0.00

Logged Drawdown	0.01 ft

Weather Conditions: Cloudy and 70°F

Purge Start Time: 07:27

Sample ID: MW-6-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 4.1 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-7DD**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	61 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	66.42 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	67.45 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	22.49 ft	Pump Placement from TOC	56.75 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:39:00	7.37	928.01	3.32	0.55	17.25	-129.56	22.63
2	0:42:00	7.38	928.22	3.20	0.51	17.17	-131.28	22.63
3	0:45:00	7.37	927.40	3.82	0.47	17.16	-132.58	22.55
4	0:48:00	7.38	926.70	3.28	0.45	17.13	-133.77	22.55
5	0:51:00	7.37	926.25	4.79	0.42	17.12	-134.83	22.55
Variance in last 3 readings		0.00	-0.09%	19.42%	-7.81%	-0.03%	-1.30	0.00
		0.00	-0.08%	-14.05%	-4.96%	-0.19%	-1.19	0.00
		0.00	-0.05%	45.80%	-6.92%	-0.06%	-1.06	0.00

Logged Drawdown	0.06 ft

Notes:

Weather Conditions: Overcast and 60°F

Purge Start Time: 09:38

Sample ID: MW-7DD-20180926

QA/QC: Not Applicable

Volume Purged: 11.4 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-9**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	22 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	23.05 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	23.03 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	11.58 ft	Pump Placement from TOC	17.75 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:33:00	6.98	804.87	1.10	0.59	19.56	-74.93	11.65
2	0:36:00	7.00	807.32	1.30	0.52	19.72	-79.31	11.65
3	0:39:00	7.02	809.76	1.23	0.47	19.67	-84.05	11.65
4	0:42:00	7.04	810.75	0.89	0.45	19.66	-86.17	11.65
5	0:45:00	7.06	811.88	0.71	0.49	19.60	-86.40	11.65
Variance in last 3 readings		0.02	0.30%	-5.67%	-11.08%	-0.24%	-4.74	0.00
		0.02	0.12%	-27.56%	-3.02%	-0.02%	-2.11	0.00
		0.02	0.14%	-20.02%	8.36%	-0.33%	-0.23	0.00

Logged Drawdown	0.07 ft

Notes:

Weather Conditions: Cloudy and 75°F

Purge Start Time: 11:46

Sample ID: MW-9-20180926

QA/QC: Not Applicable

Volume Purged: 9.1 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-10**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/ 3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	27 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	26.84 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	26.84 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	18.20 ft	Pump Placement from TOC	23 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:18:00	7.17	873.46	15.82	0.44	17.27	-115.99	18.20
2	0:21:00	7.17	872.84	6.43	0.39	17.27	-131.82	18.20
3	0:24:00	7.17	872.98	4.01	0.38	17.16	-140.85	18.20
4	0:27:00	7.18	872.60	2.45	0.37	17.16	-146.26	18.20
5	0:30:00	7.18	872.83	1.53	0.37	17.11	-147.83	18.20
Variance in last 3 readings		0.00	0.02%	-37.73%	-2.48%	-0.60%	-9.03	0.00
		0.00	-0.04%	-38.94%	-1.08%	0.01%	-5.41	0.00
		0.00	0.03%	-37.45%	-0.86%	-0.30%	-1.57	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Cloudy and 70°F

Purge Start Time: 08:46

Sample ID: MW-10-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 7.5 L

Color/Odor: None/None

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-11**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	26 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	28.04 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	28.05 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	18.33 ft	Pump Placement from TOC	21.54 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:06:00	7.08	1347.41	4.72	0.40	19.42	-99.55	18.41
2	0:09:00	7.07	1347.98	4.07	0.33	19.29	-100.46	18.41
3	0:12:00	7.07	1348.40	3.33	0.30	19.10	-101.34	18.36
4	0:15:00	7.07	1350.50	3.71	0.27	19.09	-102.14	18.36
5	0:18:00	7.07	1353.41	2.36	0.28	18.91	-102.57	18.36
Variance in last 3 readings		0.00	0.03%	-18.23%	-10.45%	-0.97%	-0.88	0.00
		0.00	0.16%	11.58%	-9.95%	-0.06%	-0.79	0.00
		0.00	0.22%	-36.29%	3.99%	-0.94%	-0.43	0.00

Logged Drawdown	0.03 ft

Weather Conditions: Cloudy and 80°F

Purge Start Time: 13:32

Sample ID: MW-11-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 4.5 L

Color/Odor: None/None

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-14D**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q18	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	56 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	110 (ml/min)
Historic Total Well Depth	57.37 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	57.31 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	17.78 ft	Pump Placement from TOC	52 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:41:31	7.49	832.27		1.54	19.24	-191.18	17.78
2	0:44:31	7.45	834.37		0.56	18.09	-208.02	17.78
3	0:47:31	7.45	833.74		0.40	18.06	-213.81	17.78
4	0:50:31	7.45	832.53		0.36	18.35	-216.92	17.78
5	0:53:31	7.45	827.14		0.34	18.25	-222.45	17.78
Variance in last 3 readings		0.00	-0.08%		-28.23%	-0.13%	-5.79	0.00
		0.00	-0.15%		-10.55%	1.60%	-3.11	0.00
		0.00	-0.65%		-5.11%	-0.59%	-5.53	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 10:05

Sample ID: MW-14D-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 6.5 L

Color/Odor: None/None

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-17**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	22 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	24.91 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	25.71 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	14.82 ft	Pump Placement from TOC	18.29 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:18:00	6.81	1064.61	2.56	0.24	18.38	-49.11	14.83
2	0:21:00	6.82	1064.81	5.31	0.23	18.37	-50.94	14.83
3	0:24:00	6.83	1064.29	2.12	0.23	18.35	-52.35	14.83
4	0:27:00	6.84	1061.03	2.58	0.22	18.45	-55.95	14.83
5	0:30:00	6.84	1064.66	0.98	0.25	18.61	-55.04	14.83
Variance in last 3 readings		0.01	-0.05%	-60.19%	0.51%	-0.08%	-1.41	0.00
		0.01	-0.31%	21.84%	-3.97%	0.52%	-3.60	0.00
		0.01	0.34%	-62.12%	12.56%	0.86%	0.90	0.00

Logged Drawdown	0.01 ft

Weather Conditions: Mostly Sunny and 80°F

Purge Start Time: 14:56

Sample ID: MW-17-20280926

Notes:

QA/QC: Not Applicable

Total Volume: 9.5 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-18**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	24 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	27.82 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	28.00 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	12.94 ft	Pump Placement from TOC	19.75 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:09:00	6.99	1244.63	9.94	0.30	18.68	-143.69	12.96
2	0:12:00	7.03	1204.54	8.92	0.27	18.45	-143.55	12.96
3	0:15:00	7.07	1179.58	4.87	0.25	18.23	-143.65	12.96
4	0:18:00	7.08	1172.19	4.40	0.23	18.16	-139.36	12.96
5	0:21:00	7.09	1168.73	3.36	0.23	18.12	-140.81	12.96
Variance in last 3 readings		0.03	-2.07%	-45.43%	-6.90%	-1.16%	-0.10	0.00
		0.01	-0.63%	-9.48%	-6.53%	-0.39%	4.29	0.00
		0.01	-0.30%	-23.76%	-2.06%	-0.21%	-1.45	0.00

Logged Drawdown	0.02 ft

Weather Conditions: Cloudy and 58°F

Purge Start Time: 07:31

Sample ID: MW-18-20180926

Notes:

QA/QC: MS/MSD

Total Volume: 6.1 L

Color/Odor: None/None

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-18D**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump-
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	49 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	100 (ml/min)
Historic Total Well Depth	52.10 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	52.90 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	13.40 ft	Pump Placement from TOC	44.75 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:30:00	7.23	955.69		0.41	18.06	-123.14	13.40
2	0:33:00	7.23	952.69		0.39	18.04	-126.84	13.40
3	0:36:00	7.23	960.47		0.38	18.04	-129.52	13.40
4	0:39:00	7.23	971.79		0.37	18.02	-131.84	13.40
5	0:42:00	7.23	953.81		0.36	18.01	-132.41	13.40
Variance in last 3 readings		-0.01	0.82%		-3.31%	0.00%	-2.68	0.00
		0.00	1.18%		-3.32%	-0.12%	-2.32	0.00
		0.00	-1.85%		-1.37%	-0.07%	-0.56	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Cloudy, Overcast, and 60°F

Purge Start Time: 09:36

Sample ID: MW-18D-20180927

Notes:

QA/QC: Not Applicable

Volume Purged: 5.7 L

Color/Odor: None/Yes

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-20**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q18	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	24 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	25.05 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	25.02 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	13.90 ft	Pump Placement from TOC	20 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:06:00	7.08	873.22	372.21	0.35	19.67	-152.37	13.90
2	0:09:00	7.04	870.78	315.88	0.29	19.31	-152.39	13.90
3	0:12:00	7.02	870.40	288.57	0.25	19.12	-154.94	13.90
4	0:15:00	7.03	867.70	306.01	0.23	18.97	-156.30	13.90
5	0:18:00	7.04	864.46	320.75	0.21	18.92	-158.59	13.90
Variance in last 3 readings		-0.01	-0.04%	-8.64%	-13.10%	-0.97%	-2.54	0.00
		0.00	-0.31%	6.04%	-7.70%	-0.78%	-1.36	0.00
		0.01	-0.37%	4.82%	-7.17%	-0.28%	-2.29	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Sunny and 74°F

Purge Start Time: 11:53

Sample ID: MW-20-20180826

Notes:

QA/QC: Not Applicable

Volume Purged: 4 L

Color/Odor: None/None

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-20D**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q18	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	51 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	130 (ml/min)
Historic Total Well Depth	52.00 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	52.03 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	13.62 ft	Pump Placement from TOC	47 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:30:24	7.40	806.30		0.71	19.38	-180.39	13.62
2	0:33:24	7.39	801.66		0.57	18.70	-190.93	13.62
3	0:36:24	7.38	808.01		0.46	18.58	-196.67	13.62
4	0:39:24	7.38	806.07		0.40	18.43	-199.86	13.62
5	0:42:24	7.38	806.27		0.36	18.39	-202.11	13.62
Variance in last 3 readings		-0.01	0.79%		-17.86%	-0.63%	-5.74	0.00
		0.00	-0.24%		-13.46%	-0.82%	-3.19	0.00
		0.00	0.03%		-10.45%	-0.19%	-2.26	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 12:43

Sample ID: MW-20D-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 5.5 L

Color/Odor: None/None

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-21**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	22 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	23.00 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	23.04 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	11.59 ft	Pump Placement from TOC	18 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:15:00	6.92	943.88	27.30	1.54	19.34	-66.98	11.59
2	0:18:00	6.92	944.08	13.56	1.57	19.35	-59.94	11.59
3	0:21:00	6.92	944.22	7.93	1.58	19.36	-53.37	11.59
4	0:24:00	6.91	944.43	5.82	1.56	19.36	-47.26	11.59
5	0:27:00	6.92	943.96	5.04	1.68	19.38	-41.31	11.59
Variance in last 3 readings		0.00	0.02%	-41.50%	0.68%	0.07%	6.57	0.00
		-0.01	0.02%	-26.63%	-1.67%	0.00%	6.11	0.00
		0.01	-0.05%	-13.37%	8.11%	0.09%	5.96	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 09:40

Sample ID: MW-21-20180927

Notes:

QA/QC: Not Applicable

Volume Purged: 8 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-21D**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	52 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	53.08 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	53.06 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	13.41 ft	Pump Placement from TOC	48 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:09:00	7.17	949.85		0.49	17.28	-204.50	13.41
2	0:12:00	7.17	949.34		0.44	17.23	-205.55	13.41
3	0:15:00	7.18	943.08		0.40	17.20	-207.35	13.41
4	0:18:00	7.18	941.26		0.38	17.17	-206.47	13.41
5	0:21:00	7.18	941.17		0.37	17.16	-205.88	13.41
Variance in last 3 readings		0.01	-0.66%		-9.44%	-0.17%	-1.80	0.00
		0.00	-0.19%		-3.68%	-0.16%	0.88	0.00
		0.00	-0.01%		-2.71%	-0.05%	0.59	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 08:51

Sample ID: MW-21D-20180927

Notes:

QA/QC: Not Applicable

Volume Purged: 5 L

Color/Odor: None/Yes

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-22**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	18 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	19.00 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	18.98 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	9.55 ft	Pump Placement from TOC	14 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:03:00	6.82	910.45		3.87	17.82	205.20	9.55
2	0:06:00	6.87	900.82		3.90	18.01	207.08	9.55
3	0:09:00	6.88	904.11		3.96	18.15	202.63	9.55
4	0:12:00	6.90	900.02		4.00	18.18	197.32	9.55
5	0:15:00	6.91	896.36		3.93	18.23	195.24	9.55
Variance in last 3 readings		0.01	0.36%		1.52%	0.75%	-4.45	0.00
		0.02	-0.45%		0.99%	0.19%	-5.31	0.00
		0.01	-0.41%		-1.61%	0.23%	-2.08	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 07:47

Sample ID: MW-22-20180927

Notes:

QA/QC: Not Applicable

Total Volume Purged: 3.5 L

Color/Odor: None/None

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-26D**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	44 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	47.41 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	47.42 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	16.65 ft	Pump Placement from TOC	39.75 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	1:00:00	7.23	1395.78	62.73	0.19	15.51	-133.56	16.65
2	1:03:00	7.23	1402.78	97.00	0.17	15.52	-135.06	16.65
3	1:06:00	7.23	1416.97	175.45	0.16	15.50	-135.78	16.65
4	1:09:00	7.23	1426.95	150.47	0.15	15.51	-136.49	16.65
5	1:12:00	7.23	1442.78	423.81	0.15	15.47	-137.01	16.65
Variance in last 3 readings		0.00	1.01%	80.87%	-9.31%	-0.13%	-0.72	0.00
		0.00	0.70%	-14.24%	-3.96%	0.05%	-0.71	0.00
		0.00	1.11%	181.66%	-3.33%	-0.23%	-0.52	0.00

Logged Drawdown	0.00 ft

Notes:

Weather Conditions: Overcast and 60°F

Purge Start Time: 11:37

Sample ID: MW-26D-20180927

QA/QC: MW-DUP-1-20180827

Volume Purged: 18 L

Color/Odor: None/Yes

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-27D**
Date Sampled: **2018-09-27**

Project Information:		**Equipment Information:**	
Operator Name	R. Benge	Pump Model/Type	Geotech Bladder Pump
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q2018	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	52 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	52.55 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	52.52 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	18.63 ft	Pump Placement from TOC	47.5 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:36:00	7.09	1300.70	14.71	0.24	16.80	31.26	18.63
2	0:39:00	7.09	1303.07	10.50	0.23	16.80	31.65	18.63
3	0:42:00	7.09	1302.81	9.18	0.23	16.78	32.05	18.63
4	0:45:00	7.08	1303.20	10.62	0.22	16.76	32.80	18.63
5	0:48:00	7.09	1302.64	9.24	0.22	16.76	32.79	18.63
Variance in last 3 readings		0.00	-0.02%	-12.58%	-3.67%	-0.12%	0.41	0.00
		-0.01	0.03%	15.75%	-2.04%	-0.10%	0.75	0.00
		0.01	-0.04%	-13.02%	-2.25%	-0.04%	-0.01	0.00

Logged Drawdown	0.00 ft

Notes:

Weather Conditions: Overcast and 60°F

Purge Start Time: 14:08

Sample ID: MW-27D-20180927

QA/QC: Not Applicable

Volume Purged: 13.2 L

Color/Odor: None/None

Comments: None

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

Purge Record

August Mack ENVIRONMENTAL

Well ID: **MW-28D**
Date Sampled: **2018-09-26**

Project Information:		**Equipment Information:**	
Operator Name	R. Johnson	Pump Model/Type	Bladder
Company Name	August Mack Environmental, Inc.	Multimeter Type	Aqua TROLL 600
Project Number	JS0449.350/3Q18	Tubing / Bailer Type	TLPE
Site Name	Columbus Wood Treatment	Tubing / Bailer ID	0.25 in
Sampling Method	Micro Purge	Tubing / Bailer Length	46 ft

Well Information:		**Pumping Information:**	
Well Diameter	2 in	Average Purging Flow Rate*	200 (ml/min)
Historic Total Well Depth	46.95 ft	Parameter Recording Rate	180 sec
Current Total Well Depth	46.96 ft	Drawdown Stabilization Criteria	< 0.3 ft
Initial Synoptic Depth to Water	15.74 ft	Pump Placement from TOC	42 ft

Micro-Purge Sampling Stabilization Summary

	Purge Time	pH	Cond [µS/cm @25C]	Turbidity (NTU)	RDO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
Last 5 Readings				</=5 NTU				
1	0:06:00	7.26	1193.94		0.39	17.54	-146.35	15.74
2	0:09:00	7.23	1194.46		0.33	17.16	-147.82	15.74
3	0:12:00	7.22	1191.57		0.29	17.08	-149.28	15.74
4	0:15:00	7.22	1184.08		0.27	16.88	-150.79	15.74
5	0:18:00	7.22	1186.67		0.26	16.83	-152.19	15.74
Variance in last 3 readings		-0.01	-0.24%		-10.86%	-0.50%	-1.45	0.00
		0.00	-0.63%		-7.75%	-1.13%	-1.52	0.00
		0.00	0.22%		-5.48%	-0.30%	-1.39	0.00

Logged Drawdown	0.00 ft

Weather Conditions: Not Recorded

Purge Start Time: 14:18

Sample ID: MW-28D-20180926

Notes:

QA/QC: Not Applicable

Volume Purged: 5.5 L

Color/Odor: None/None

Comments: Turbidity sensor error during sampling.

* = Flow rates measured to the nearest 10 ml during micro purge sampling using graduated cylinder

APPENDIX C

Laboratory Analytical Reports

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

October 10, 2018

Pilar Cuadra
August Mack Environmental Consultants
1302 N. Meridian St.
Indianapolis, IN 46202

RE: Project: Former Columbus Wood Treating
Pace Project No.: 50206619

Dear Pilar Cuadra:
Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kelly M Jones

Kelly Jones
kelly.jones@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Zack Ramey, August Mack Environmental
Andy Tennyson, August Mack Environmental Consultants

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Former Columbus Wood Treating
Pace Project No.: 50206619

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50206619001	**MW-6-20180926**	Water	09/26/18 09:45	09/28/18 09:55
50206619002	**MW-10-20180926**	Water	09/26/18 11:20	09/28/18 09:55
50206619003	**MW-14D-20180926**	Water	09/26/18 13:00	09/28/18 09:55
50206619004	**MW-20-20180926**	Water	09/26/18 14:15	09/28/18 09:55
50206619005	**MW-20D-20180926**	Water	09/26/18 15:30	09/28/18 09:55
50206619006	**MW-28D-20180926**	Water	09/26/18 16:40	09/28/18 09:55
50206619007	**MW-22-20180927**	Water	09/27/18 10:05	09/28/18 09:55
50206619008	**MW-21D-20180927**	Water	09/27/18 11:15	09/28/18 09:55
50206619009	**MW-21-20180927**	Water	09/27/18 12:15	09/28/18 09:55
50206619010	**EB-1-20180927**	Water	09/27/18 13:05	09/28/18 09:55
50206619011	**MW-4-20180926**	Water	09/26/18 10:25	09/28/18 09:55
50206619012	**MW-7DD-20180926**	Water	09/26/18 12:35	09/28/18 09:55
50206619013	**MW-9-20180926**	Water	09/26/18 14:35	09/28/18 09:55
50206619014	**MW-11-20180926**	Water	09/26/18 15:55	09/28/18 09:55
50206619015	**MW-17-20180926**	Water	09/26/18 17:30	09/28/18 09:55
50206619016	**MW-18-20180927**	Water	09/27/18 09:55	09/28/18 09:55
50206619017	**MW-18D-20180927**	Water	09/27/18 12:25	09/28/18 09:55
50206619018	**MW-26D-20180927**	Water	09/27/18 14:50	09/28/18 09:55
50206619019	**MW-27D-20180927**	Water	09/27/18 17:05	09/28/18 09:55
50206619020	**MW-Dup-1-20180927**	Water	09/27/18 08:00	09/28/18 09:55

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	August Mack Environmental	Report To:	Pilar Cuadra	Attention:	Pilar Cuadra
Address:	1302 N. Meridian Street	Copy To:	Andy Tennyson	Company Name:	August Mack Environmental
	Indianapolis, IN 46202			Address:	1302 N. Meridian Street Indianapolis
Email To:	pcuadra@augustmack.com	Purchase Order No.:		Pace Quote Reference:	
Phone: (317) 916-8000	Fax: (317) 916-8001	Project Name:	Former Columbus Wood Treating	Pace Project Manager:	Kelly Jones
Requested Due Date/TAT:	Standard	Project Number:	JS0449.350	Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER Brownfields

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VOCs via 8260	SVOCs/PAHs 8270C/8270 SIM	Total Arsenic via 6010	Dissolved Arsenic 6010	Hexavalent Chromium via 7199	Herbicides via 8151	MS/MSD						Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 50206619
																			N	N	N	N	N	N							
1	MW-6-20180926	WT	G			9/26/18	945		1								X							X							001
2	MW-10-20180926	WT	G			9/26/18	1120		1								X							X							002
3	MW-14D-20180926	WT	G			9/26/18	1300		1								X							X							003
4	MW-20-20180926	WT	G			9/26/18	1415		1								X							X							004
5	MW-20D-20180926	WT	G			9/26/18	1530		1								X							X							005
6	MW-28D-20180926	WT	G			9/26/18	1640		1								X							X							006
7	MW-22-20180927	WT	G			9/27/18	1005		1								X							X							007
8	MW-21D-20180927	WT	G			9/27/18	1115		1								X							X							008
9	MW-21-20180927B	WT	G			9/27/18	1215		1								X							X							009
10	EB-1-20180927	WT	G			9/27/18	1305		1								X							X							010
11	~~TB-1-20180926~~	WT	G			9/26/18	-										X														
12	TB-2-20180927	WT	G			9/27/18	-										X														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Scott Kalemba/AMS	9-28-18	955		9/28/18	0955	2.5	Y	N	Y
J-flag PCP for 8270							1.4			
Herbicides via 8151 includes pentachlorophenol only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Jonson

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 9/27/18

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

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Company:	August Mack Environmental	Report To:	Pilar Cuadra	Attention:	Pilar Cuadra
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	Indianapolis, IN 46202			Address:	1302 N. Meridian Street Indianapolis
Email To:	pcuadra@augustmack.com	Purchase Order No.:		Pace Quote Reference:	
Phone: (317) 916-8000	Fax: (317) 916-8001	Project Name:	Former Columbus Wood Treating	Pace Project Manager:	Kelly Jones
Requested Due Date/TAT:	Standard	Project Number:	JS0449.350	Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER Brownfields

Site Location STATE: IN

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VOCs via 8260	SVOCs/PAHs 8270C/8270 SIM	Total Arsenic via 6010	Dissolved Arsenic 6010	Hexavalent Chromium via 7199	Herbicides via 8151	MS/MSD				Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS																	N	N	N	N	N	N							50206619
1	MW-4-20180926	WT				9/26/18	1025		1								X						X						011
2	MW-10D-20180926	WT				9/26/18	1235		1								X						X						012
3	MW-9-20180926	WT				9/26/18	1455		1								X						X						013
4	MW-11-20180926	WT				9/26/18	1555		1								X						X						014
5	MW-17-20180926	WT				9/26/18	1730		1								X						X						015
6	MW-18-20180927	WT				9/27/18	0955		3								X						X	X					016
7	MW-16D-20180927	WT				9/27/18	1225		1								X						X						017
8	MW-26D-20180927	WT				9/27/18	1450		1								X						X						018
9	MW-27D-20180927	WT				9/27/18	1705		1								X						X						019
10	MW-Dup-1-20180927	WT				9/27/18	-		1								X						X						020
11	~~FB-3-20180927~~	~~WT~~				9/27/18	-																						
12																													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Scott Kalemba/AMEC	9-28-18	0955		9/28/18	0955	2.5	Y	W	Y
J-flag PCP for 8270							1.4			
Herbicides via 8151 includes pentachlorophenol only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Johnson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/27/18

Pace Analytical

SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50206619

Date/Time and Initials of person examining contents: 09/28/18 GK 1248

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ None ☐ Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F Ice Type: ☑ Wet ☐ Blue ☐ None | Samples collected today and on ice: ☐ Yes ☐ No ☑ N/A

Cooler Temperature: 2.6/2.5 1.8/1.4 Ice Visible in Sample Containers?: ☐ Yes ☑ No ☐ N/A

(Initial/Corrected) Temp should be above freezing to 6°C If temp. is Over 6°C or under 0°C, was the PM Notified?: ☐ Yes ☐ No ☑ N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		✓	All containers needing acid/base pres. Have been checked?: **exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted. Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			✓
USDA Regulated Soils? (ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓				
Chain of Custody Present:	✓		Dissolved Metals field filtered?:			✓
Chain of Custody Filled Out:	✓					
Short Hold Time Analysis (<72hr)?: Analysis:		✓	Headspace Wisconsin Sulfide			✓
Time 5035A TC placed in Freezer or Short Holds To Lab:				Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Rush TAT Requested:		✓	Headspace in VOA Vials (>6mm):			✓
Containers Intact?:	✓		Trip Blank Present?:		✓	
Sample Labels Match COC?: Except TCs, which only require sample ID	✓		Trip Blank Custody Seals?:		✓	

Comments:

Sample Container Count

CLIENT: August Mack

COC PAGE 1 of 2

COC ID# _____

Project # 50206619

Sample Line Item	DG9H VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	SBS DI Bulk Kit R	50mL digestion tube GN			Matrix SI/Wt/NAL (Soil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH>12
1																		1			WT			
2																		1						
3																		1						
4																		1						
5																		1						
6																		3						
7																		1						
8																		1						
9																		1						
10																		1						
11																								
12																								

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
		BG3U	250mL Unpreserved Clear Glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
BP1S	1 liter H2SO4 plastic		
BP1U	1 liter unpreserved plastic	AF	Air Filter
BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
BP2O	500mL NaOH plastic	U	Summa Can
BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3S	250mL H2SO4 plastic		

Sample Container Count

WO# : 50206619

50206619

CLIENT: August Mack

COC PAGE 2 of 2

COC ID# _____

Project # 50206619

Sample Line Item	DG9H VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	Bull Kit R	GN argestion tube	Matrix SI/ (Soil/Wate Aqueous l	pH <2	pH >9	pH>12
1																		1	WT			
2																		1				
3																		1				
4																		1				
5																		1				
6																		3				
7																		1				
8																		1				
9																		1				
10																		1				
11																						
12																						

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
		BG3U	250mL Unpreserved Clear Glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
BP1S	1 liter H2SO4 plastic		
BP1U	1 liter unpreserved plastic	AF	Air Filter
BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
BP2O	500mL NaOH plastic	U	Summa Can
BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3S	250mL H2SO4 plastic		

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 09, 2018

Pace Analytical - Indianapolis, IN

Sample Delivery Group:	L1030590
Samples Received:	10/02/2018
Project Number:	50206619
Description:	Former Columbus Wood Treating

Report To: Kelly Jones
7726 Moller Rd.
Indianapolis, IN 46268

Entire Report Reviewed By:

Pam Langford
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

MW-6-20180926 L1030590-01 GW

Collected by	Collected date/time	Received date/time
	09/26/18 09:45	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 17:37	10/08/18 17:37	GB

MW-10-20180926 L1030590-02 GW

Collected by	Collected date/time	Received date/time
	09/26/18 11:20	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 17:56	10/08/18 17:56	GB

MW-14D-20180926 L1030590-03 GW

Collected by	Collected date/time	Received date/time
	09/26/18 13:00	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 18:12	10/08/18 18:12	GB

MW-20-20180926 L1030590-04 GW

Collected by	Collected date/time	Received date/time
	09/26/18 14:15	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 18:21	10/08/18 18:21	GB

MW-20D-20180926 L1030590-05 GW

Collected by	Collected date/time	Received date/time
	09/26/18 15:30	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 18:29	10/08/18 18:29	GB

MW-28D-20180926 L1030590-06 GW

Collected by	Collected date/time	Received date/time
	09/26/18 16:40	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 18:53	10/08/18 18:53	GB

MW-22-20180927 L1030590-07 GW

Collected by	Collected date/time	Received date/time
	09/27/18 10:05	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:02	10/08/18 19:02	GB

MW-21D-20180927 L1030590-08 GW

Collected by	Collected date/time	Received date/time
	09/27/18 11:15	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:10	10/08/18 19:10	GB

			Collected by	Collected date/time	Received date/time
MW-21-20180927 L1030590-09 GW				09/27/18 12:15	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:18	10/08/18 19:18	GB
			Collected by	Collected date/time	Received date/time
EB-1-20180927 L1030590-10 GW				09/27/18 13:05	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:26	10/08/18 19:26	GB
			Collected by	Collected date/time	Received date/time
MW-4-20180926 L1030590-11 GW				09/26/18 10:25	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:34	10/08/18 19:34	GB
			Collected by	Collected date/time	Received date/time
MW-7DD-20180926 L1030590-12 GW				09/26/18 12:35	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:43	10/08/18 19:43	GB
			Collected by	Collected date/time	Received date/time
MW-9-20180926 L1030590-13 GW				09/26/18 14:35	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:51	10/08/18 19:51	GB
			Collected by	Collected date/time	Received date/time
MW-11-20180926 L1030590-14 GW				09/26/18 15:55	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 19:59	10/08/18 19:59	GB
			Collected by	Collected date/time	Received date/time
MW-17-20180926 L1030590-15 GW				09/26/18 17:30	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 20:07	10/08/18 20:07	GB
			Collected by	Collected date/time	Received date/time
MW-18-20180927 L1030590-16 GW				09/27/18 09:55	10/02/18 08:45
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 20:32	10/08/18 20:32	GB

MW-18D-20180927 L1030590-17 GW

Collected by	Collected date/time	Received date/time
	09/27/18 12:25	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 20:56	10/08/18 20:56	GB

MW-26D-20180927 L1030590-18 GW

Collected by	Collected date/time	Received date/time
	09/27/18 14:50	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 21:04	10/08/18 21:04	GB

MW-27D-20180927 L1030590-19 GW

Collected by	Collected date/time	Received date/time
	09/27/18 17:05	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 21:13	10/08/18 21:13	GB

MW-DUP-20180927 L1030590-20 GW

Collected by	Collected date/time	Received date/time
	09/27/18 08:00	10/02/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Wet Chemistry by Method 7199	WG1175380	1	10/08/18 21:29	10/08/18 21:29	GB

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Pam Langford
Project Manager

Sample Handling and Receiving

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

Lab Sample ID	Project Sample ID	Method
L1030590-01	MW-6-20180926	7199
L1030590-02	MW-10-20180926	7199
L1030590-03	MW-14D-20180926	7199
L1030590-04	MW-20-20180926	7199
L1030590-05	MW-20D-20180926	7199
L1030590-06	MW-28D-20180926	7199
L1030590-07	MW-22-20180927	7199
L1030590-08	MW-21D-20180927	7199
L1030590-09	MW-21-20180927	7199
L1030590-10	EB-1-20180927	7199
L1030590-11	MW-4-20180926	7199
L1030590-12	MW-7DD-20180926	7199
L1030590-13	MW-9-20180926	7199
L1030590-14	MW-11-20180926	7199
L1030590-15	MW-17-20180926	7199
L1030590-16	MW-18-20180927	7199
L1030590-17	MW-18D-20180927	7199
L1030590-18	MW-26D-20180927	7199
L1030590-19	MW-27D-20180927	7199
L1030590-20	MW-DUP-20180927	7199

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 17:37	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 17:56	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 18:12	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 18:21	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 18:29	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 18:53	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	1.51		0.150	0.500	1	10/08/2018 19:02	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:10	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	12.3		0.150	0.500	1	10/08/2018 19:18	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:26	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:34	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:43	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:51	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 19:59	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 20:07	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 20:32	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 20:56	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 21:04	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 21:13	WG1175380

Wet Chemistry by Method 7199

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Hexavalent Chromium	U		0.150	0.500	1	10/08/2018 21:29	WG1175380

Method Blank (MB)

(MB) R3348897-1 10/08/18 16:25

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexavalent Chromium	U		0.150	0.500

L1030590-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1030590-01 10/08/18 17:37 • (DUP) R3348897-4 10/08/18 17:48

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	U	0.000	1	0.000		20

L1030590-19 Original Sample (OS) • Duplicate (DUP)

(OS) L1030590-19 10/08/18 21:13 • (DUP) R3348897-8 10/08/18 21:21

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	U	0.000	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3348897-2 10/08/18 16:33 • (LCSD) R3348897-3 10/08/18 16:41

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	2.00	2.00	2.04	100	102	90.0-110			1.99	20

L1030590-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1030590-02 10/08/18 17:56 • (MS) R3348897-5 10/08/18 18:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	50.0	U	50.3	101	1	90.0-110	

L1030590-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1030590-16 10/08/18 20:32 • (MS) R3348897-6 10/08/18 20:40 • (MSD) R3348897-7 10/08/18 20:48

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	50.0	U	52.0	51.6	104	103	1	90.0-110			0.774	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

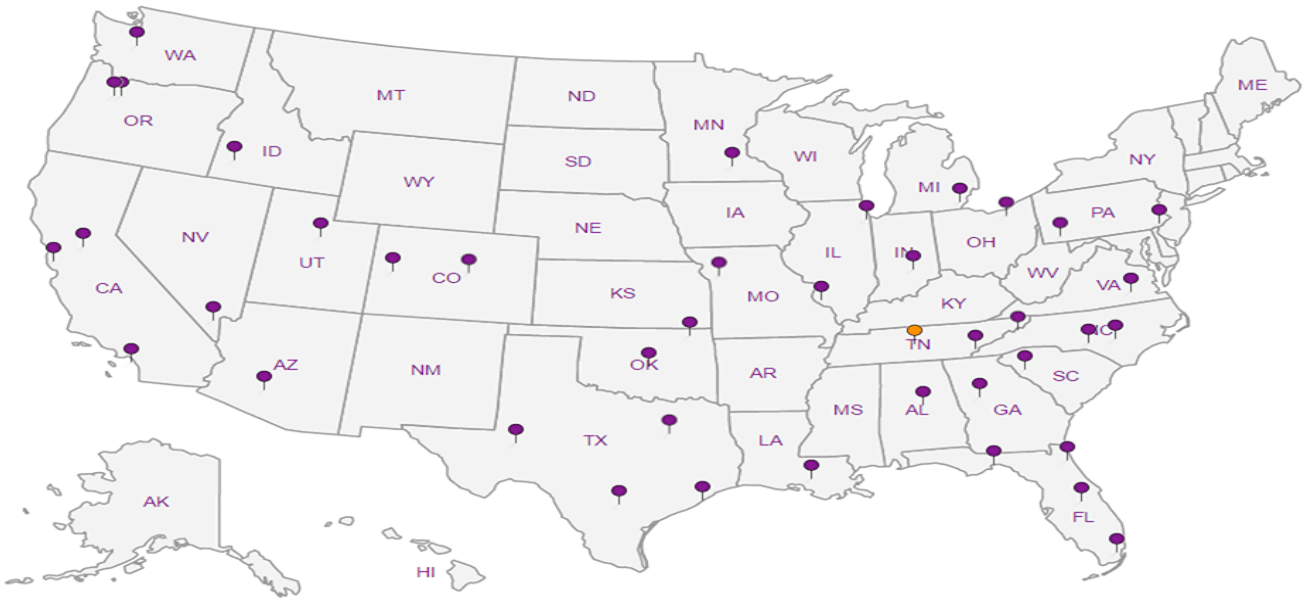
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



Chain of Custody

Pace Analytical®
www.pacelabs.com

Workorder: 50206619 **Workorder Name:** Former Columbus Wood Treating **Results Requested By:** 10/9/2018

Report / Invoice To	Subcontract To
Kelly Jones Pace Analytical Indianapolis 7726 Moller Road Indianapolis, IN 46268 Phone (317)228-3100 Email: kelly.jones@pacelabs.com	Pace National Tennessee P.O. _____

State of Sample Origin: IN

B207

L1030540

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: ug	Hexavalent Chromium + MS/MSD Pace	Hexavalent Chromium by 7199 to Pace	LAB USE ONLY
1	MW-6-20180926	9/26/2018 09:45	50206619001	Water	1		X	-01
2	MW-10-20180926	9/26/2018 11:20	50206619002	Water	1		X	-02
3	MW-14D-20180926	9/26/2018 13:00	50206619003	Water	1		X	-03
4	MW-20-20180926	9/26/2018 14:15	50206619004	Water	1		X	-04
5	MW-20D-20180926	9/26/2018 15:30	50206619005	Water	1		X	-05
6	MW-28D-20180926	9/26/2018 16:40	50206619006	Water	1		X	-06
7	MW-22-20180927	9/27/2018 10:05	50206619007	Water	1		X	-07
8	MW-21D-20180927	9/27/2018 11:15	50206619008	Water	1		X	-08
9	MW-21-20180927	9/27/2018 12:15	50206619009	Water	1		X	-09
10	EB-1-20180927	9/27/2018 13:05	50206619010	Water	1		X	-10
11	MW-4-20180926	9/26/2018 10:25	50206619011	Water	1		X	-11
12	MW-7DD-20180926	9/26/2018 12:35	50206619012	Water	1		X	-12
13	MW-9-20180926	9/26/2018 14:35	50206619013	Water	1		X	-13
14	MW-11-20180926	9/26/2018 15:55	50206619014	Water	1		X	-14
15	MW-17-20180926	9/26/2018 17:30	50206619015	Water	1		X	-15
16	MW-18-20180927	9/27/2018 09:55	50206619016	Water	3	X	X	-16
17	MW-18D-20180927	9/27/2018 12:25	50206619017	Water	1		X	-17
18	MW-26D-20180927	9/27/2018 14:50	50206619018	Water	1		X	-18
19	MW-27D-20180927	9/27/2018 17:05	50206619019	Water	1		X	-19

OK

Chain of Custody

Pace Analytical
www.pacelabs.com

Workorder: 50206619 **Workorder Name:** Former Columbus Wood Treating **Results Requested By:** 10/9/2018

Report / Invoice To	Subcontract To
Kelly Jones Pace Analytical Indianapolis 7726 Moller Road Indianapolis, IN 46268 Phone (317)228-3100 Email: kelly.jones@pacelabs.com	Pace National Tennessee P.O. _____

State of Sample Origin: IN

L1030590

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: gn	Requested Analysis: Hexavalent Chromium by 7199 to Pace	LAB USE ONLY
20	MW-Dup-1-20180927	9/27/2018 08:00	50206619020	Water	1	X	-20
21							
22							
23							
24							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Jason Hutt	10-1 858	[illegible] Faiss	10/2/18 0845
2				
3				

Comments

Cooler Temperature on Receipt ____ °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

1.0-.2=0.8

FedEx: 4558 7045 5492

Rec: 22 no TB

RAD SCREEN: <0.5 mR/hr

DK

L1030590

Pace Analytical™

INTER-LABORATORY WORK ORDER # _____
(To be completed by sending lab)

Sending Project No:	50206619
Receiving Project No:	
Check Box for Consolidated Invoice:	☐
Date Prepared:	9/28/18
REQUESTED COMPLETION DATE:	10/9/18

Sending Region	Indianapolis	Sending Project Mgr	Kelly Jones
Receiving Region	Pace National	External Client	August Mack
State of Sample Origin	IN	QC Deliverable	Level 2

All questions should be addressed to sending project manager.

Type of Work: Analytical ☐ Other (Identify) _____
Requested Reportable Units _____ Report Wet or Dry Weight? _____

WORK REQUESTED

Method Description	Container Type (include volume)	Quantity of containers	Preservative	Quantity of Samples	Unit Price	Amount
Hex Chrom 7199 (-019 with MS/MSD)	gn	22	none	21	$ 85.00	$ 1,785.00
						$ -
						$ -
						$ -
						$ -
						$ -
					TOTAL	$ 1,785.00

Special Requirements: _____

Receiving Region Department	Acctg. Code	Totals from above	Revenue Allocation: Receiving Region (80%)	Revenue Allocation: Client Services Dept. Sending Region (20%)
Microbiology	17		$ -	$ -
Metals	20		$ -	$ -
Wet Chem	21	$ 1,785.00	$ 1,428.00	$ 357.00
SV GCMS	30		$ -	$ -
SV GC & LC	31		$ -	$ -
V GC	33		$ -	$ -
V GCMS	34		$ -	$ -
Dioxin* (Includes Coplanar PCBs & PBDEs)	35		$ -	$ -
Radiation	38		$ -	$ -
Air	39		$ -	$ -
Other(Specify)			$ -	$ -
Total			$ 1,428.00	$ 357.00

*Revenue Allocation (Receiving Region (90%) and Sending Region (10%))

FOR ANALYTICAL WORK COMPLETE THIS SECTION ALSO

Chain of Custody Included: [x] Yes [ ] No Return Samples to Sending Region: [ ] Yes [x] No

Matrix: [ ] Soil [x] Water [ ] Air [ ] Other (identify) _____

CONFIRMATION OF WORK COMPLETED

Date Completed: _____ Receiving Project Manager: _____

DISPOSITION of FORM

Original sent to the receiving lab - Copy kept at the sending lab.
When work completed: Original sent to the ABM at the receiving laboratory. Copies are made to corporate as needed.

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: PACEIN		SDG#	L103590
Cooler Received/Opened On: 10/2/18		Temperature:	0.8
Received By: Brock Fariss			
Signature: Brock Fariss			

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

October 09, 2018

Pilar Cuadra
August Mack Environmental Consultants
1302 N. Meridian St.
Indianapolis, IN 46202

RE: Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Dear Pilar Cuadra:
Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kelly M Jones

Kelly Jones
kelly.jones@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Zack Ramey, August Mack Environmental
Andy Tennyson, August Mack Environmental Consultants

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2017-124
Texas Certification #: T104704355-18-12
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50206626001	**MW-6-20180926**	Water	09/26/18 09:45	09/28/18 09:55
50206626002	**MW-10-20180926**	Water	09/26/18 11:20	09/28/18 09:55
50206626003	**MW-14D-20180926**	Water	09/26/18 13:00	09/28/18 09:55
50206626004	**MW-20-20180926**	Water	09/26/18 14:15	09/28/18 09:55
50206626005	**MW-20D-20180926**	Water	09/26/18 15:30	09/28/18 09:55
50206626006	**MW-28D-20180926**	Water	09/26/18 16:40	09/28/18 09:55
50206626007	**MW-22-20180927**	Water	09/27/18 10:05	09/28/18 09:55
50206626008	**MW-21D-20180927**	Water	09/27/18 11:15	09/28/18 09:55
50206626009	**EB-1-20180927**	Water	09/27/18 13:05	09/28/18 09:55
50206626010	**TB-1-20180926**	Water	09/26/18 08:00	09/28/18 09:55
50206626011	**TB-2-20180927**	Water	09/27/18 08:00	09/28/18 09:55
50206626012	**MW-4-20180926**	Water	09/26/18 10:25	09/28/18 09:55
50206626013	**MW-7DD-20180926**	Water	09/26/18 12:35	09/28/18 09:55
50206626014	**MW-9-20180926**	Water	09/26/18 14:35	09/28/18 09:55
50206626015	**MW-11-20180926**	Water	09/26/18 15:55	09/28/18 09:55
50206626016	**MW-17-20180926**	Water	09/26/18 17:30	09/28/18 09:55
50206626017	**MW-18-20180927**	Water	09/27/18 09:55	09/28/18 09:55
50206626018	**MW-18D-20180927**	Water	09/27/18 12:25	09/28/18 09:55
50206626019	**MW-26D-20180927**	Water	09/27/18 14:50	09/28/18 09:55
50206626020	**MW-27D-20180927**	Water	09/27/18 17:05	09/28/18 09:55
50206626021	**MW-DUP-1-20180927**	Water	09/27/18 08:00	09/28/18 09:55
50206626022	**TB-3-20180927**	Water	09/27/18 08:00	09/28/18 09:55

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50206626001	**MW-6-20180926**	EPA 8151	NPW	2	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626002	**MW-10-20180926**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626003	**MW-14D-20180926**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626004	**MW-20-20180926**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626005	**MW-20D-20180926**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626006	**MW-28D-20180926**	EPA 6010	JPK	1	PASI-I
		EPA 6010	JPK	1	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626007	**MW-22-20180927**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626008	**MW-21D-20180927**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626009	**EB-1-20180927**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626010	**TB-1-20180926**	EPA 8260	AMV	72	PASI-I

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50206626011	**TB-2-20180927**	EPA 8260	AMV	72	PASI-I
50206626012	**MW-4-20180926**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626013	**MW-7DD-20180926**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626014	**MW-9-20180926**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626015	**MW-11-20180926**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626016	**MW-17-20180926**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626017	**MW-18-20180927**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626018	**MW-18D-20180927**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626019	**MW-26D-20180927**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	18	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626020	**MW-27D-20180927**	EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626021	**MW-DUP-1-20180927**	EPA 8151	NPW	2	PASI-I
		EPA 8270 by SIM	TBP	20	PASI-I
		EPA 8270	TBP	47	PASI-I
		EPA 8260	AMV	72	PASI-I
50206626022	**TB-3-20180927**	EPA 8260	AMV	72	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

SUMMARY OF DETECTION

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50206626001	**MW-6-20180926**					
EPA 8151	Pentachlorophenol	1.0	ug/L	1.0	10/08/18 18:18	
EPA 6010	Arsenic	20.2	ug/L	10.0	10/04/18 01:39	
EPA 6010	Arsenic, Dissolved	17.6	ug/L	10.0	10/04/18 03:04	
EPA 8270 by SIM	Acenaphthene	288	ug/L	20.0	10/05/18 14:29	
EPA 8270 by SIM	Acenaphthylene	3.6	ug/L	1.0	10/03/18 14:13	
EPA 8270 by SIM	Anthracene	5.0	ug/L	0.10	10/03/18 14:13	
EPA 8270 by SIM	Benzo(a)anthracene	0.28	ug/L	0.10	10/03/18 14:13	
EPA 8270 by SIM	Benzo(a)pyrene	0.12	ug/L	0.10	10/03/18 14:13	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.21	ug/L	0.10	10/03/18 14:13	
EPA 8270 by SIM	Fluoranthene	7.3	ug/L	1.0	10/03/18 14:13	
EPA 8270 by SIM	Fluorene	148	ug/L	20.0	10/05/18 14:29	
EPA 8270 by SIM	1-Methylnaphthalene	61.7	ug/L	1.0	10/03/18 14:13	N2
EPA 8270 by SIM	2-Methylnaphthalene	42.3	ug/L	1.0	10/03/18 14:13	
EPA 8270 by SIM	Naphthalene	977	ug/L	20.0	10/05/18 14:29	
EPA 8270 by SIM	Phenanthrene	13.4	ug/L	1.0	10/03/18 14:13	
EPA 8270 by SIM	Pyrene	3.3	ug/L	1.0	10/03/18 14:13	
EPA 8270	Dibenzofuran	125	ug/L	10.0	10/05/18 13:20	
EPA 8270	Phenol	96.9	ug/L	10.0	10/05/18 13:20	
EPA 8260	Ethylbenzene	5.2	ug/L	5.0	10/07/18 08:43	
EPA 8260	1,2,4-Trimethylbenzene	13.5	ug/L	5.0	10/07/18 08:43	
EPA 8260	1,3,5-Trimethylbenzene	5.7	ug/L	5.0	10/07/18 08:43	
50206626002	**MW-10-20180926**					
EPA 8270 by SIM	Acenaphthene	2.1	ug/L	1.0	10/03/18 14:25	
EPA 8270 by SIM	Benzo(a)anthracene	0.63	ug/L	0.10	10/03/18 14:25	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.13	ug/L	0.10	10/03/18 14:25	
EPA 8270 by SIM	Fluoranthene	15.6	ug/L	1.0	10/03/18 14:25	
EPA 8270 by SIM	Fluorene	1.2	ug/L	1.0	10/03/18 14:25	
EPA 8270 by SIM	Pyrene	6.6	ug/L	1.0	10/03/18 14:25	
50206626003	**MW-14D-20180926**					
EPA 8270 by SIM	Acenaphthene	263	ug/L	10.0	10/05/18 14:38	
EPA 8270 by SIM	Acenaphthylene	1.1	ug/L	1.0	10/03/18 14:36	
EPA 8270 by SIM	Anthracene	8.7	ug/L	0.10	10/03/18 14:36	
EPA 8270 by SIM	Benzo(a)anthracene	0.30	ug/L	0.10	10/03/18 14:36	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.14	ug/L	0.10	10/03/18 14:36	
EPA 8270 by SIM	Fluoranthene	10.9	ug/L	1.0	10/03/18 14:36	
EPA 8270 by SIM	Fluorene	134	ug/L	10.0	10/05/18 14:38	
EPA 8270 by SIM	1-Methylnaphthalene	106	ug/L	10.0	10/05/18 14:38	N2
EPA 8270 by SIM	2-Methylnaphthalene	43.6	ug/L	1.0	10/03/18 14:36	
EPA 8270 by SIM	Naphthalene	146	ug/L	10.0	10/05/18 14:38	
EPA 8270 by SIM	Phenanthrene	97.0	ug/L	10.0	10/05/18 14:38	
EPA 8270 by SIM	Pyrene	6.5	ug/L	1.0	10/03/18 14:36	
EPA 8270	Dibenzofuran	142	ug/L	10.0	10/04/18 18:08	
EPA 8260	1,2,4-Trimethylbenzene	5.6	ug/L	5.0	10/07/18 09:32	
50206626004	**MW-20-20180926**					
EPA 8270 by SIM	Acenaphthene	114	ug/L	5.0	10/05/18 14:48	
EPA 8270 by SIM	Anthracene	0.16	ug/L	0.10	10/03/18 14:47	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50206626004	**MW-20-20180926**					
EPA 8270 by SIM	Fluorene	4.7	ug/L	1.0	10/03/18 14:47	
50206626005	**MW-20D-20180926**					
EPA 8270 by SIM	Acenaphthene	113	ug/L	20.0	10/05/18 14:57	
EPA 8270 by SIM	Anthracene	3.9	ug/L	0.10	10/03/18 14:59	
EPA 8270 by SIM	Benzo(a)anthracene	0.35	ug/L	0.10	10/03/18 14:59	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.13	ug/L	0.10	10/03/18 14:59	
EPA 8270 by SIM	Fluoranthene	4.9	ug/L	1.0	10/03/18 14:59	
EPA 8270 by SIM	Fluorene	57.0	ug/L	1.0	10/03/18 14:59	
EPA 8270 by SIM	1-Methylnaphthalene	63.5	ug/L	1.0	10/03/18 14:59	N2
EPA 8270 by SIM	2-Methylnaphthalene	95.4	ug/L	1.0	10/03/18 14:59	
EPA 8270 by SIM	Naphthalene	1080	ug/L	20.0	10/05/18 14:57	
EPA 8270 by SIM	Phenanthrene	46.4	ug/L	1.0	10/03/18 14:59	
EPA 8270 by SIM	Pyrene	2.9	ug/L	1.0	10/03/18 14:59	
EPA 8270	Dibenzofuran	62.0	ug/L	10.0	10/04/18 18:40	
50206626006	**MW-28D-20180926**					
EPA 6010	Arsenic	31.3	ug/L	10.0	10/04/18 01:41	
EPA 6010	Arsenic, Dissolved	28.4	ug/L	10.0	10/04/18 03:18	
EPA 8270 by SIM	Acenaphthene	47.8	ug/L	1.0	10/03/18 15:10	
EPA 8270 by SIM	1-Methylnaphthalene	61.0	ug/L	1.0	10/03/18 15:10	N2
EPA 8270 by SIM	2-Methylnaphthalene	17.3	ug/L	1.0	10/03/18 15:10	
EPA 8270 by SIM	Naphthalene	2.4	ug/L	1.0	10/03/18 15:10	
EPA 8260	Benzene	7.3	ug/L	5.0	10/07/18 10:45	
50206626008	**MW-21D-20180927**					
EPA 8270 by SIM	Acenaphthene	97.6	ug/L	1.0	10/03/18 15:33	
EPA 8270 by SIM	Acenaphthylene	5.5	ug/L	1.0	10/03/18 15:33	
EPA 8270 by SIM	Anthracene	4.9	ug/L	0.10	10/03/18 15:33	
EPA 8270 by SIM	Benzo(a)anthracene	0.30	ug/L	0.10	10/03/18 15:33	
EPA 8270 by SIM	Fluoranthene	5.8	ug/L	1.0	10/03/18 15:33	
EPA 8270 by SIM	Fluorene	60.5	ug/L	1.0	10/03/18 15:33	
EPA 8270 by SIM	1-Methylnaphthalene	68.8	ug/L	1.0	10/03/18 15:33	N2
EPA 8270 by SIM	2-Methylnaphthalene	187	ug/L	20.0	10/05/18 15:07	
EPA 8270 by SIM	Naphthalene	1810	ug/L	20.0	10/05/18 15:07	
EPA 8270 by SIM	Phenanthrene	51.6	ug/L	1.0	10/03/18 15:33	
EPA 8270 by SIM	Pyrene	3.1	ug/L	1.0	10/03/18 15:33	
EPA 8270	Dibenzofuran	61.4	ug/L	10.0	10/04/18 19:29	
EPA 8270	2,4-Dimethylphenol	19.2	ug/L	10.0	10/04/18 19:29	
EPA 8270	Phenol	10.6	ug/L	10.0	10/04/18 19:29	
EPA 8260	Benzene	5.9	ug/L	5.0	10/07/18 16:03	
EPA 8260	Ethylbenzene	26.9	ug/L	5.0	10/07/18 16:03	
EPA 8260	Toluene	16.1	ug/L	5.0	10/07/18 16:03	
EPA 8260	1,2,4-Trimethylbenzene	31.5	ug/L	5.0	10/07/18 16:03	
EPA 8260	1,3,5-Trimethylbenzene	10.5	ug/L	5.0	10/07/18 16:03	
EPA 8260	Xylene (Total)	76.6	ug/L	10.0	10/07/18 16:03	
50206626012	**MW-4-20180926**					
EPA 8270 by SIM	Acenaphthene	55.3	ug/L	1.1	10/03/18 16:07	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50206626012	**MW-4-20180926**					
EPA 8270 by SIM	Anthracene	3.3	ug/L	0.11	10/03/18 16:07	
EPA 8270 by SIM	Benzo(a)anthracene	0.18	ug/L	0.11	10/03/18 16:07	
EPA 8270 by SIM	Fluoranthene	4.6	ug/L	1.1	10/03/18 16:07	
EPA 8270 by SIM	Fluorene	50.4	ug/L	1.1	10/03/18 16:07	
EPA 8270 by SIM	1-Methylnaphthalene	14.4	ug/L	1.1	10/03/18 16:07	N2
EPA 8270 by SIM	Naphthalene	2.4	ug/L	1.1	10/03/18 16:07	
EPA 8270 by SIM	Phenanthrene	3.8	ug/L	1.1	10/03/18 16:07	
EPA 8270 by SIM	Pyrene	2.3	ug/L	1.1	10/03/18 16:07	
EPA 8270	Dibenzofuran	44.3	ug/L	10.8	10/04/18 20:01	
50206626013	**MW-7DD-20180926**					
EPA 8270 by SIM	Acenaphthene	315	ug/L	20.0	10/05/18 15:16	
EPA 8270 by SIM	Acenaphthylene	2.0	ug/L	1.0	10/03/18 16:18	
EPA 8270 by SIM	Anthracene	8.2	ug/L	0.10	10/03/18 16:18	
EPA 8270 by SIM	Benzo(a)anthracene	0.32	ug/L	0.10	10/03/18 16:18	
EPA 8270 by SIM	Fluoranthene	13.4	ug/L	1.0	10/03/18 16:18	
EPA 8270 by SIM	Fluorene	157	ug/L	20.0	10/05/18 15:16	
EPA 8270 by SIM	1-Methylnaphthalene	346	ug/L	20.0	10/05/18 15:16	N2
EPA 8270 by SIM	2-Methylnaphthalene	146	ug/L	20.0	10/05/18 15:16	
EPA 8270 by SIM	Naphthalene	1010	ug/L	20.0	10/05/18 15:16	
EPA 8270 by SIM	Phenanthrene	153	ug/L	20.0	10/05/18 15:16	
EPA 8270 by SIM	Pyrene	7.8	ug/L	1.0	10/03/18 16:18	
EPA 8270	Dibenzofuran	160	ug/L	50.0	10/05/18 14:30	
EPA 8270	Phenol	2620	ug/L	500	10/05/18 14:46	
EPA 8260	Isopropylbenzene (Cumene)	9.9	ug/L	5.0	10/07/18 18:05	
EPA 8260	n-Propylbenzene	5.3	ug/L	5.0	10/07/18 18:05	
EPA 8260	1,2,4-Trimethylbenzene	50.6	ug/L	5.0	10/07/18 18:05	
EPA 8260	1,3,5-Trimethylbenzene	24.0	ug/L	5.0	10/07/18 18:05	
50206626014	**MW-9-20180926**					
EPA 8270 by SIM	Acenaphthene	56.5	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	Anthracene	3.9	ug/L	0.10	10/03/18 16:30	
EPA 8270 by SIM	Benzo(a)anthracene	0.31	ug/L	0.10	10/03/18 16:30	
EPA 8270 by SIM	Benzo(b)fluoranthene	0.12	ug/L	0.10	10/03/18 16:30	
EPA 8270 by SIM	Fluoranthene	5.8	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	Fluorene	23.3	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	1-Methylnaphthalene	25.4	ug/L	1.0	10/03/18 16:30	N2
EPA 8270 by SIM	2-Methylnaphthalene	3.6	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	Naphthalene	99.2	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	Phenanthrene	22.8	ug/L	1.0	10/03/18 16:30	
EPA 8270 by SIM	Pyrene	3.4	ug/L	1.0	10/03/18 16:30	
EPA 8270	Dibenzofuran	36.4	ug/L	10.0	10/04/18 20:34	
EPA 8260	1,2,4-Trimethylbenzene	5.0	ug/L	5.0	10/07/18 18:30	
50206626015	**MW-11-20180926**					
EPA 8270 by SIM	Acenaphthene	191	ug/L	5.0	10/05/18 15:26	
EPA 8270 by SIM	Fluoranthene	4.2	ug/L	1.0	10/03/18 16:41	
EPA 8270 by SIM	Fluorene	98.0	ug/L	1.0	10/03/18 16:41	
EPA 8270 by SIM	1-Methylnaphthalene	141	ug/L	5.0	10/05/18 15:26	N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50206626015	**MW-11-20180926**					
EPA 8270 by SIM	2-Methylnaphthalene	87.5	ug/L	5.0	10/05/18 15:26	
EPA 8270 by SIM	Naphthalene	3.4	ug/L	1.0	10/03/18 16:41	
EPA 8270 by SIM	Phenanthrene	94.4	ug/L	5.0	10/05/18 15:26	
EPA 8270 by SIM	Pyrene	1.3	ug/L	1.0	10/03/18 16:41	
EPA 8270	Dibenzofuran	136	ug/L	10.0	10/04/18 20:50	
EPA 8270	Phenol	39.5	ug/L	10.0	10/04/18 20:50	
EPA 8260	Ethylbenzene	5.4	ug/L	5.0	10/07/18 18:54	
50206626017	**MW-18-20180927**					
EPA 8270 by SIM	Acenaphthene	70.1	ug/L	1.2	10/03/18 17:04	M1
EPA 8270 by SIM	Anthracene	0.33	ug/L	0.12	10/03/18 17:04	
EPA 8270 by SIM	Fluorene	20.7	ug/L	1.2	10/03/18 17:04	
EPA 8270 by SIM	1-Methylnaphthalene	92.7	ug/L	1.2	10/03/18 17:04	M1, N2
EPA 8270 by SIM	2-Methylnaphthalene	10.2	ug/L	1.2	10/03/18 17:04	
EPA 8270 by SIM	Naphthalene	1.9	ug/L	1.2	10/03/18 17:04	
50206626018	**MW-18D-20180927**					
EPA 8270 by SIM	Acenaphthene	103	ug/L	1.1	10/03/18 17:38	
EPA 8270 by SIM	Anthracene	4.0	ug/L	0.11	10/03/18 17:38	
EPA 8270 by SIM	Benzo(a)anthracene	0.18	ug/L	0.11	10/03/18 17:38	
EPA 8270 by SIM	Fluoranthene	3.8	ug/L	1.1	10/03/18 17:38	
EPA 8270 by SIM	Fluorene	64.8	ug/L	1.1	10/03/18 17:38	
EPA 8270 by SIM	1-Methylnaphthalene	76.9	ug/L	1.1	10/03/18 17:38	N2
EPA 8270 by SIM	2-Methylnaphthalene	166	ug/L	21.1	10/05/18 15:35	
EPA 8270 by SIM	Naphthalene	1260	ug/L	21.1	10/05/18 15:35	
EPA 8270 by SIM	Phenanthrene	54.1	ug/L	1.1	10/03/18 17:38	
EPA 8270 by SIM	Pyrene	2.0	ug/L	1.1	10/03/18 17:38	
EPA 8270	Dibenzofuran	71.2	ug/L	10.5	10/04/18 22:11	
EPA 8260	Benzene	5.2	ug/L	5.0	10/07/18 19:43	
EPA 8260	Ethylbenzene	38.8	ug/L	5.0	10/07/18 19:43	
EPA 8260	Isopropylbenzene (Cumene)	5.5	ug/L	5.0	10/07/18 19:43	
EPA 8260	1,2,4-Trimethylbenzene	48.7	ug/L	5.0	10/07/18 19:43	
EPA 8260	1,3,5-Trimethylbenzene	17.5	ug/L	5.0	10/07/18 19:43	
EPA 8260	Xylene (Total)	72.4	ug/L	10.0	10/07/18 19:43	
50206626019	**MW-26D-20180927**					
EPA 8270 by SIM	Acenaphthene	194	ug/L	11.9	10/05/18 15:45	
EPA 8270 by SIM	Acenaphthylene	1.3	ug/L	1.2	10/03/18 17:50	
EPA 8270 by SIM	Anthracene	0.32	ug/L	0.12	10/03/18 17:50	
EPA 8270 by SIM	Fluorene	85.6	ug/L	1.2	10/03/18 17:50	
EPA 8270 by SIM	1-Methylnaphthalene	250	ug/L	11.9	10/05/18 15:45	N2
EPA 8270 by SIM	2-Methylnaphthalene	356	ug/L	11.9	10/05/18 15:45	
EPA 8270 by SIM	Naphthalene	1020	ug/L	11.9	10/05/18 15:45	
EPA 8270 by SIM	Phenanthrene	7.3	ug/L	1.2	10/03/18 17:50	
EPA 8270	Dibenzofuran	71.9	ug/L	11.9	10/04/18 22:27	
EPA 8260	Benzene	12.5	ug/L	5.0	10/07/18 20:08	
EPA 8260	Ethylbenzene	78.2	ug/L	5.0	10/07/18 20:08	
EPA 8260	Isopropylbenzene (Cumene)	12.4	ug/L	5.0	10/07/18 20:08	
EPA 8260	1,2,4-Trimethylbenzene	44.3	ug/L	5.0	10/07/18 20:08	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50206626019	**MW-26D-20180927**					
EPA 8260	1,3,5-Trimethylbenzene	17.2	ug/L	5.0	10/07/18 20:08	
EPA 8260	Xylene (Total)	106	ug/L	10.0	10/07/18 20:08	
50206626021	**MW-DUP-1-20180927**					
EPA 8270	Phenol	64.4	ug/L	10.0	10/03/18 22:16	
EPA 8260	Benzene	12.0	ug/L	5.0	10/07/18 20:57	
EPA 8260	Ethylbenzene	77.8	ug/L	5.0	10/07/18 20:57	
EPA 8260	Isopropylbenzene (Cumene)	12.2	ug/L	5.0	10/07/18 20:57	
EPA 8260	1,2,4-Trimethylbenzene	42.2	ug/L	5.0	10/07/18 20:57	
EPA 8260	1,3,5-Trimethylbenzene	17.1	ug/L	5.0	10/07/18 20:57	
EPA 8260	Xylene (Total)	104	ug/L	10.0	10/07/18 20:57	

Pace Analytical Services, LLC
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-6-20180926 **Lab ID: 50206626001** Collected: 09/26/18 09:45 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	**1.0**	ug/L	1.0	1	10/01/18 10:12	10/08/18 18:18	87-86-5	
Surrogates								
2,4-DCAA (S)	63	%.	37-147	1	10/01/18 10:12	10/08/18 18:18	19719-28-9	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**20.2**	ug/L	10.0	1	10/03/18 06:05	10/04/18 01:39	7440-38-2	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**17.6**	ug/L	10.0	1	10/03/18 13:05	10/04/18 03:04	7440-38-2	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**288**	ug/L	20.0	20	10/02/18 09:03	10/05/18 14:29	83-32-9	
Acenaphthylene	**3.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	208-96-8	
Anthracene	**5.0**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	120-12-7	
Benzo(a)anthracene	**0.28**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	56-55-3	
Benzo(a)pyrene	**0.12**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	50-32-8	
Benzo(b)fluoranthene	**0.21**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 14:13	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	53-70-3	
Fluoranthene	**7.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	206-44-0	
Fluorene	**148**	ug/L	20.0	20	10/02/18 09:03	10/05/18 14:29	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:13	193-39-5	
1-Methylnaphthalene	**61.7**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	90-12-0	N2
2-Methylnaphthalene	**42.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	91-57-6	
Naphthalene	**977**	ug/L	20.0	20	10/02/18 09:03	10/05/18 14:29	91-20-3	
Phenanthrene	**13.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	85-01-8	
Pyrene	**3.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:13	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	47	%.	10-108	1	10/02/18 09:03	10/03/18 14:13	321-60-8	
p-Terphenyl-d14 (S)	80	%.	10-167	1	10/02/18 09:03	10/03/18 14:13	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	7005-72-3	
Dibenzofuran	**125**	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	132-64-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-6-20180926 **Lab ID: 50206626001** Collected: 09/26/18 09:45 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/05/18 13:20	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/05/18 13:20	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:20	87-86-5	
Phenol	**96.9**	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%.	22-108	1	10/02/18 09:03	10/05/18 13:20	4165-60-0	
Phenol-d5 (S)	22	%.	10-61	1	10/02/18 09:03	10/05/18 13:20	4165-62-2	
2-Fluorophenol (S)	28	%.	10-78	1	10/02/18 09:03	10/05/18 13:20	367-12-4	
2,4,6-Tribromophenol (S)	71	%.	23-126	1	10/02/18 09:03	10/05/18 13:20	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 08:43	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 08:43	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 08:43	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 08:43	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 08:43	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 08:43	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 08:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 08:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 08:43	74-83-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-6-20180926 **Lab ID: 50206626001** Collected: 09/26/18 09:45 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 08:43	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 08:43	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 08:43	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 08:43	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 08:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 08:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 08:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 08:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 08:43	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 08:43	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 08:43	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 08:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 08:43	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 08:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 08:43	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 08:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 08:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 08:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 08:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 08:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 08:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 08:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 08:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 08:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 08:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 08:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 08:43	10061-02-6	
Ethylbenzene	**5.2**	ug/L	5.0	1		10/07/18 08:43	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 08:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 08:43	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 08:43	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 08:43	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 08:43	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 08:43	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 08:43	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 08:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 08:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 08:43	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 08:43	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 08:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 08:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 08:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 08:43	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-6-20180926 **Lab ID: 50206626001** Collected: 09/26/18 09:45 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Toluene	ND	ug/L	5.0	1		10/07/18 08:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 08:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 08:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 08:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 08:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 08:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 08:43	96-18-4	
1,2,4-Trimethylbenzene	**13.5**	ug/L	5.0	1		10/07/18 08:43	95-63-6	
1,3,5-Trimethylbenzene	**5.7**	ug/L	5.0	1		10/07/18 08:43	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 08:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 08:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 08:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	1		10/07/18 08:43	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		10/07/18 08:43	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 08:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-10-20180926 **Lab ID: 50206626002** Collected: 09/26/18 11:20 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**2.1**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	120-12-7	
Benzo(a)anthracene	**0.63**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 14:25	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	53-70-3	
Fluoranthene	**15.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	206-44-0	
Fluorene	**1.2**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:25	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	85-01-8	
Pyrene	**6.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:25	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	41	%.	10-108	1	10/02/18 09:03	10/03/18 14:25	321-60-8	
p-Terphenyl-d14 (S)	81	%.	10-167	1	10/02/18 09:03	10/03/18 14:25	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/05/18 13:58	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/05/18 13:58	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	117-81-7	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-10-20180926 **Lab ID: 50206626002** Collected: 09/26/18 11:20 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:58	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:58	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/05/18 13:58	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/05/18 13:58	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44	%.	22-108	1	10/02/18 09:03	10/05/18 13:58	4165-60-0	
Phenol-d5 (S)	19	%.	10-61	1	10/02/18 09:03	10/05/18 13:58	4165-62-2	
2-Fluorophenol (S)	28	%.	10-78	1	10/02/18 09:03	10/05/18 13:58	367-12-4	
2,4,6-Tribromophenol (S)	50	%.	23-126	1	10/02/18 09:03	10/05/18 13:58	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 09:08	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 09:08	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 09:08	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 09:08	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 09:08	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 09:08	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 09:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 09:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 09:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 09:08	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 09:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 09:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 09:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 09:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 09:08	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:08	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:08	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-10-20180926 **Lab ID: 50206626002** Collected: 09/26/18 11:20 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 09:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 09:08	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 09:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 09:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 09:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 09:08	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 09:08	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 09:08	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 09:08	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 09:08	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 09:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 09:08	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 09:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 09:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 09:08	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 09:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 09:08	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 09:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 09:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 09:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 09:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 09:08	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 09:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 09:08	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-10-20180926 **Lab ID: 50206626002** Collected: 09/26/18 11:20 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 09:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	89-116	1		10/07/18 09:08	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		10/07/18 09:08	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 09:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-14D-20180926 **Lab ID: 50206626003** Collected: 09/26/18 13:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.0	1	10/01/18 10:12	10/08/18 18:49	87-86-5	
Surrogates								
2,4-DCAA (S)	66	%.	37-147	1	10/01/18 10:12	10/08/18 18:49	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**263**	ug/L	10.0	10	10/02/18 09:03	10/05/18 14:38	83-32-9	
Acenaphthylene	**1.1**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:36	208-96-8	
Anthracene	**8.7**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	120-12-7	
Benzo(a)anthracene	**0.30**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	50-32-8	
Benzo(b)fluoranthene	**0.14**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 14:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	53-70-3	
Fluoranthene	**10.9**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:36	206-44-0	
Fluorene	**134**	ug/L	10.0	10	10/02/18 09:03	10/05/18 14:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:36	193-39-5	
1-Methylnaphthalene	**106**	ug/L	10.0	10	10/02/18 09:03	10/05/18 14:38	90-12-0	N2
2-Methylnaphthalene	**43.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:36	91-57-6	
Naphthalene	**146**	ug/L	10.0	10	10/02/18 09:03	10/05/18 14:38	91-20-3	
Phenanthrene	**97.0**	ug/L	10.0	10	10/02/18 09:03	10/05/18 14:38	85-01-8	
Pyrene	**6.5**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	52	%.	10-108	1	10/02/18 09:03	10/03/18 14:36	321-60-8	
p-Terphenyl-d14 (S)	90	%.	10-167	1	10/02/18 09:03	10/03/18 14:36	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	7005-72-3	
Dibenzofuran	**142**	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:08	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:08	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-14D-20180926 **Lab ID: 50206626003** Collected: 09/26/18 13:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:08	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:08	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:08	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:08	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	58	%.	22-108	1	10/02/18 09:03	10/04/18 18:08	4165-60-0	
Phenol-d5 (S)	27	%.	10-61	1	10/02/18 09:03	10/04/18 18:08	4165-62-2	
2-Fluorophenol (S)	36	%.	10-78	1	10/02/18 09:03	10/04/18 18:08	367-12-4	
2,4,6-Tribromophenol (S)	66	%.	23-126	1	10/02/18 09:03	10/04/18 18:08	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 09:32	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 09:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 09:32	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 09:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 09:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 09:32	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 09:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 09:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 09:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 09:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 09:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 09:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-14D-20180926 **Lab ID: 50206626003** Collected: 09/26/18 13:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 09:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 09:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 09:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:32	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 09:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 09:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 09:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 09:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 09:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 09:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 09:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 09:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 09:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 09:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 09:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 09:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 09:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 09:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 09:32	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 09:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 09:32	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 09:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 09:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 09:32	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-14D-20180926 **Lab ID: 50206626003** Collected: 09/26/18 13:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 09:32	96-18-4	
1,2,4-Trimethylbenzene	**5.6**	ug/L	5.0	1		10/07/18 09:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 09:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 09:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 09:32	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 09:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		10/07/18 09:32	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		10/07/18 09:32	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		10/07/18 09:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20-20180926 **Lab ID: 50206626004** Collected: 09/26/18 14:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**114**	ug/L	5.0	5	10/02/18 09:03	10/05/18 14:48	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	208-96-8	
Anthracene	**0.16**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 14:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	206-44-0	
Fluorene	**4.7**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:47	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:47	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	49	%.	10-108	1	10/02/18 09:03	10/03/18 14:47	321-60-8	
p-Terphenyl-d14 (S)	83	%.	10-167	1	10/02/18 09:03	10/03/18 14:47	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:24	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:24	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	117-81-7	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20-20180926 **Lab ID: 50206626004** Collected: 09/26/18 14:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:24	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	56	%.	22-108	1	10/02/18 09:03	10/04/18 18:24	4165-60-0	
Phenol-d5 (S)	21	%.	10-61	1	10/02/18 09:03	10/04/18 18:24	4165-62-2	
2-Fluorophenol (S)	29	%.	10-78	1	10/02/18 09:03	10/04/18 18:24	367-12-4	
2,4,6-Tribromophenol (S)	62	%.	23-126	1	10/02/18 09:03	10/04/18 18:24	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 09:56	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 09:56	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 09:56	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 09:56	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 09:56	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 09:56	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 09:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 09:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 09:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 09:56	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 09:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 09:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 09:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 09:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 09:56	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:56	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 09:56	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20-20180926 **Lab ID: 50206626004** Collected: 09/26/18 14:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 09:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 09:56	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 09:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 09:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 09:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 09:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 09:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 09:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 09:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 09:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 09:56	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 09:56	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 09:56	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 09:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 09:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 09:56	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 09:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 09:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 09:56	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 09:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 09:56	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 09:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 09:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 09:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 09:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 09:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 09:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 09:56	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 09:56	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 09:56	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20-20180926 **Lab ID: 50206626004** Collected: 09/26/18 14:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 09:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	89-116	1		10/07/18 09:56	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	85-111	1		10/07/18 09:56	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		10/07/18 09:56	2037-26-5	

Pace Analytical Services, LLC
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20D-20180926 **Lab ID: 50206626005** Collected: 09/26/18 15:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.0	1	10/01/18 10:12	10/08/18 19:19	87-86-5	
Surrogates								
2,4-DCAA (S)	48	%.	37-147	1	10/01/18 10:12	10/08/18 19:19	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**113**	ug/L	20.0	20	10/02/18 09:03	10/05/18 14:57	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	208-96-8	
Anthracene	**3.9**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	120-12-7	
Benzo(a)anthracene	**0.35**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	50-32-8	
Benzo(b)fluoranthene	**0.13**	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 14:59	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	53-70-3	
Fluoranthene	**4.9**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	206-44-0	
Fluorene	**57.0**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 14:59	193-39-5	
1-Methylnaphthalene	**63.5**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	90-12-0	N2
2-Methylnaphthalene	**95.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	91-57-6	
Naphthalene	**1080**	ug/L	20.0	20	10/02/18 09:03	10/05/18 14:57	91-20-3	
Phenanthrene	**46.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	85-01-8	
Pyrene	**2.9**	ug/L	1.0	1	10/02/18 09:03	10/03/18 14:59	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	36	%.	10-108	1	10/02/18 09:03	10/03/18 14:59	321-60-8	
p-Terphenyl-d14 (S)	69	%.	10-167	1	10/02/18 09:03	10/03/18 14:59	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	7005-72-3	
Dibenzofuran	**62.0**	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:40	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:40	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20D-20180926 **Lab ID: 50206626005** Collected: 09/26/18 15:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:40	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:40	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	37	%.	22-108	1	10/02/18 09:03	10/04/18 18:40	4165-60-0	
Phenol-d5 (S)	19	%.	10-61	1	10/02/18 09:03	10/04/18 18:40	4165-62-2	
2-Fluorophenol (S)	23	%.	10-78	1	10/02/18 09:03	10/04/18 18:40	367-12-4	
2,4,6-Tribromophenol (S)	48	%.	23-126	1	10/02/18 09:03	10/04/18 18:40	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	10		10/07/18 10:21	67-64-1	
Acrolein	ND	ug/L	500	10		10/07/18 10:21	107-02-8	
Acrylonitrile	ND	ug/L	1000	10		10/07/18 10:21	107-13-1	
Benzene	ND	ug/L	50.0	10		10/07/18 10:21	71-43-2	
Bromobenzene	ND	ug/L	50.0	10		10/07/18 10:21	108-86-1	
Bromochloromethane	ND	ug/L	50.0	10		10/07/18 10:21	74-97-5	L1
Bromodichloromethane	ND	ug/L	50.0	10		10/07/18 10:21	75-27-4	
Bromoform	ND	ug/L	50.0	10		10/07/18 10:21	75-25-2	
Bromomethane	ND	ug/L	50.0	10		10/07/18 10:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		10/07/18 10:21	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	98-06-6	
Carbon disulfide	ND	ug/L	100	10		10/07/18 10:21	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		10/07/18 10:21	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20D-20180926 **Lab ID: 50206626005** Collected: 09/26/18 15:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	50.0	10		10/07/18 10:21	75-00-3	
Chloroform	ND	ug/L	50.0	10		10/07/18 10:21	67-66-3	
Chloromethane	ND	ug/L	50.0	10		10/07/18 10:21	74-87-3	
2-Chlorotoluene	ND	ug/L	50.0	10		10/07/18 10:21	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	10		10/07/18 10:21	106-43-4	
Dibromochloromethane	ND	ug/L	50.0	10		10/07/18 10:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		10/07/18 10:21	106-93-4	
Dibromomethane	ND	ug/L	50.0	10		10/07/18 10:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1000	10		10/07/18 10:21	110-57-6	
Dichlorodifluoromethane	ND	ug/L	50.0	10		10/07/18 10:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		10/07/18 10:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		10/07/18 10:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		10/07/18 10:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/18 10:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		10/07/18 10:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		10/07/18 10:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	10		10/07/18 10:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	50.0	10		10/07/18 10:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	10		10/07/18 10:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/18 10:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		10/07/18 10:21	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	100-41-4	
Ethyl methacrylate	ND	ug/L	1000	10		10/07/18 10:21	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	10		10/07/18 10:21	87-68-3	
n-Hexane	ND	ug/L	50.0	10		10/07/18 10:21	110-54-3	
2-Hexanone	ND	ug/L	250	10		10/07/18 10:21	591-78-6	
Iodomethane	ND	ug/L	100	10		10/07/18 10:21	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		10/07/18 10:21	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	10		10/07/18 10:21	99-87-6	
Methylene Chloride	ND	ug/L	50.0	10		10/07/18 10:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		10/07/18 10:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		10/07/18 10:21	1634-04-4	
n-Propylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	103-65-1	
Styrene	ND	ug/L	50.0	10		10/07/18 10:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/18 10:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		10/07/18 10:21	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		10/07/18 10:21	127-18-4	
Toluene	ND	ug/L	50.0	10		10/07/18 10:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		10/07/18 10:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		10/07/18 10:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		10/07/18 10:21	79-00-5	
Trichloroethene	ND	ug/L	50.0	10		10/07/18 10:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		10/07/18 10:21	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-20D-20180926 **Lab ID: 50206626005** Collected: 09/26/18 15:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	50.0	10		10/07/18 10:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	50.0	10		10/07/18 10:21	108-67-8	
Vinyl acetate	ND	ug/L	500	10		10/07/18 10:21	108-05-4	
Vinyl chloride	ND	ug/L	20.0	10		10/07/18 10:21	75-01-4	
Xylene (Total)	ND	ug/L	100	10		10/07/18 10:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	10		10/07/18 10:21	1868-53-7	D3
4-Bromofluorobenzene (S)	103	%.	85-111	10		10/07/18 10:21	460-00-4	
Toluene-d8 (S)	98	%.	87-110	10		10/07/18 10:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-28D-20180926 **Lab ID: 50206626006** Collected: 09/26/18 16:40 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**31.3**	ug/L	10.0	1	10/03/18 06:05	10/04/18 01:41	7440-38-2	
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic, Dissolved	**28.4**	ug/L	10.0	1	10/03/18 13:05	10/04/18 03:18	7440-38-2	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**47.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 15:10	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:10	193-39-5	
1-Methylnaphthalene	**61.0**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	90-12-0	N2
2-Methylnaphthalene	**17.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	91-57-6	
Naphthalene	**2.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:10	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	10-108	1	10/02/18 09:03	10/03/18 15:10	321-60-8	
p-Terphenyl-d14 (S)	81	%.	10-167	1	10/02/18 09:03	10/03/18 15:10	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:57	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	131-11-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-28D-20180926 **Lab ID: 50206626006** Collected: 09/26/18 16:40 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 18:57	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:57	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 18:57	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 18:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%.	22-108	1	10/02/18 09:03	10/04/18 18:57	4165-60-0	
Phenol-d5 (S)	24	%.	10-61	1	10/02/18 09:03	10/04/18 18:57	4165-62-2	
2-Fluorophenol (S)	33	%.	10-78	1	10/02/18 09:03	10/04/18 18:57	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	23-126	1	10/02/18 09:03	10/04/18 18:57	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 10:45	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 10:45	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 10:45	107-13-1	
Benzene	**7.3**	ug/L	5.0	1		10/07/18 10:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 10:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 10:45	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 10:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 10:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 10:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 10:45	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 10:45	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-28D-20180926 **Lab ID: 50206626006** Collected: 09/26/18 16:40 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 10:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 10:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 10:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 10:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 10:45	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 10:45	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 10:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 10:45	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 10:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 10:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 10:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 10:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 10:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 10:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 10:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 10:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 10:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 10:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 10:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 10:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 10:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 10:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 10:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 10:45	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 10:45	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 10:45	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 10:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 10:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 10:45	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 10:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 10:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 10:45	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 10:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 10:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 10:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 10:45	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 10:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 10:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 10:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 10:45	79-00-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-28D-20180926 **Lab ID: 50206626006** Collected: 09/26/18 16:40 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		10/07/18 10:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 10:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 10:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 10:45	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 10:45	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 10:45	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 10:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	1		10/07/18 10:45	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	85-111	1		10/07/18 10:45	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 10:45	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-22-20180927 **Lab ID: 50206626007** Collected: 09/27/18 10:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 15:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:22	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:22	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	69	%.	10-108	1	10/02/18 09:03	10/03/18 15:22	321-60-8	
p-Terphenyl-d14 (S)	106	%.	10-167	1	10/02/18 09:03	10/03/18 15:22	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:13	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:13	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	117-81-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-22-20180927 **Lab ID: 50206626007** Collected: 09/27/18 10:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:13	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:13	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:13	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:13	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	75	%.	22-108	1	10/02/18 09:03	10/04/18 19:13	4165-60-0	
Phenol-d5 (S)	32	%.	10-61	1	10/02/18 09:03	10/04/18 19:13	4165-62-2	
2-Fluorophenol (S)	49	%.	10-78	1	10/02/18 09:03	10/04/18 19:13	367-12-4	
2,4,6-Tribromophenol (S)	78	%.	23-126	1	10/02/18 09:03	10/04/18 19:13	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 11:10	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 11:10	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 11:10	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 11:10	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 11:10	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 11:10	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 11:10	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 11:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 11:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 11:10	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 11:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 11:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 11:10	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 11:10	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 11:10	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 11:10	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 11:10	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-22-20180927 **Lab ID: 50206626007** Collected: 09/27/18 10:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 11:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 11:10	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 11:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 11:10	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 11:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 11:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 11:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:10	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 11:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 11:10	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 11:10	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 11:10	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 11:10	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 11:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 11:10	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 11:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 11:10	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 11:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 11:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 11:10	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 11:10	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 11:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 11:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 11:10	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 11:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 11:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 11:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 11:10	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 11:10	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 11:10	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-22-20180927 **Lab ID: 50206626007** Collected: 09/27/18 10:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 11:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	89-116	1		10/07/18 11:10	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	85-111	1		10/07/18 11:10	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 11:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-21D-20180927 **Lab ID: 50206626008** Collected: 09/27/18 11:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.1	1	10/01/18 10:12	10/08/18 19:50	87-86-5	
Surrogates								
2,4-DCAA (S)	58	%.	37-147	1	10/01/18 10:12	10/08/18 19:50	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**97.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	83-32-9	
Acenaphthylene	**5.5**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	208-96-8	
Anthracene	**4.9**	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	120-12-7	
Benzo(a)anthracene	**0.30**	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 15:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	53-70-3	
Fluoranthene	**5.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	206-44-0	
Fluorene	**60.5**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:33	193-39-5	
1-Methylnaphthalene	**68.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	90-12-0	N2
2-Methylnaphthalene	**187**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:07	91-57-6	
Naphthalene	**1810**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:07	91-20-3	
Phenanthrene	**51.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	85-01-8	
Pyrene	**3.1**	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:33	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	10-108	1	10/02/18 09:03	10/03/18 15:33	321-60-8	
p-Terphenyl-d14 (S)	87	%.	10-167	1	10/02/18 09:03	10/03/18 15:33	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	7005-72-3	
Dibenzofuran	**61.4**	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:29	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	84-66-2	
2,4-Dimethylphenol	**19.2**	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:29	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-21D-20180927 **Lab ID: 50206626008** Collected: 09/27/18 11:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:29	87-86-5	
Phenol	**10.6**	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	52	%.	22-108	1	10/02/18 09:03	10/04/18 19:29	4165-60-0	
Phenol-d5 (S)	22	%.	10-61	1	10/02/18 09:03	10/04/18 19:29	4165-62-2	
2-Fluorophenol (S)	32	%.	10-78	1	10/02/18 09:03	10/04/18 19:29	367-12-4	
2,4,6-Tribromophenol (S)	68	%.	23-126	1	10/02/18 09:03	10/04/18 19:29	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 16:03	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 16:03	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 16:03	107-13-1	
Benzene	**5.9**	ug/L	5.0	1		10/07/18 16:03	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 16:03	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 16:03	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 16:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 16:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 16:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 16:03	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:03	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:03	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:03	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 16:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 16:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-21D-20180927 **Lab ID: 50206626008** Collected: 09/27/18 11:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 16:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 16:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 16:03	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:03	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:03	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 16:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 16:03	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 16:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 16:03	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 16:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:03	10061-02-6	
Ethylbenzene	**26.9**	ug/L	5.0	1		10/07/18 16:03	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 16:03	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 16:03	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 16:03	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 16:03	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 16:03	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 16:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 16:03	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 16:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 16:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 16:03	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 16:03	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 16:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:03	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 16:03	127-18-4	
Toluene	**16.1**	ug/L	5.0	1		10/07/18 16:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:03	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 16:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 16:03	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-21D-20180927 **Lab ID: 50206626008** Collected: 09/27/18 11:15 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 16:03	96-18-4	
1,2,4-Trimethylbenzene	**31.5**	ug/L	5.0	1		10/07/18 16:03	95-63-6	
1,3,5-Trimethylbenzene	**10.5**	ug/L	5.0	1		10/07/18 16:03	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 16:03	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 16:03	75-01-4	
Xylene (Total)	**76.6**	ug/L	10.0	1		10/07/18 16:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 16:03	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		10/07/18 16:03	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		10/07/18 16:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: EB-1-20180927 **Lab ID: 50206626009** Collected: 09/27/18 13:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.0	1	10/01/18 10:12	10/08/18 20:20	87-86-5	
Surrogates								
2,4-DCAA (S)	79	%.	37-147	1	10/01/18 10:12	10/08/18 20:20	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 15:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 15:55	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 15:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	10-108	1	10/02/18 09:03	10/03/18 15:55	321-60-8	
p-Terphenyl-d14 (S)	81	%.	10-167	1	10/02/18 09:03	10/03/18 15:55	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:45	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 19:45	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: EB-1-20180927 **Lab ID: 50206626009** Collected: 09/27/18 13:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:45	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 19:45	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 19:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	50	%.	22-108	1	10/02/18 09:03	10/04/18 19:45	4165-60-0	
Phenol-d5 (S)	21	%.	10-61	1	10/02/18 09:03	10/04/18 19:45	4165-62-2	
2-Fluorophenol (S)	32	%.	10-78	1	10/02/18 09:03	10/04/18 19:45	367-12-4	
2,4,6-Tribromophenol (S)	54	%.	23-126	1	10/02/18 09:03	10/04/18 19:45	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 16:28	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 16:28	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 16:28	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 16:28	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 16:28	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 16:28	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 16:28	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 16:28	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 16:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 16:28	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 16:28	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 16:28	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: EB-1-20180927 **Lab ID: 50206626009** Collected: 09/27/18 13:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 16:28	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 16:28	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 16:28	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:28	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:28	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 16:28	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 16:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 16:28	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 16:28	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 16:28	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 16:28	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 16:28	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 16:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 16:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 16:28	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 16:28	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:28	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 16:28	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 16:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:28	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 16:28	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: EB-1-20180927 **Lab ID: 50206626009** Collected: 09/27/18 13:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 16:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 16:28	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 16:28	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 16:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 16:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	89-116	1		10/07/18 16:28	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	85-111	1		10/07/18 16:28	460-00-4	
Toluene-d8 (S)	95	%.	87-110	1		10/07/18 16:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-1-20180926 **Lab ID: 50206626010** Collected: 09/26/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 16:52	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 16:52	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 16:52	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 16:52	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 16:52	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 16:52	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 16:52	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 16:52	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 16:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 16:52	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 16:52	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 16:52	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 16:52	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 16:52	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 16:52	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:52	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 16:52	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 16:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 16:52	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 16:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 16:52	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 16:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 16:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 16:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 16:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 16:52	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 16:52	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 16:52	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 16:52	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 16:52	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 16:52	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 16:52	98-82-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-1-20180926 **Lab ID: 50206626010** Collected: 09/26/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 16:52	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 16:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 16:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 16:52	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 16:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 16:52	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 16:52	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 16:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 16:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 16:52	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 16:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 16:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 16:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 16:52	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 16:52	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 16:52	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 16:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 16:52	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	85-111	1		10/07/18 16:52	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		10/07/18 16:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-2-20180927 **Lab ID: 50206626011** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 17:17	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 17:17	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 17:17	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 17:17	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 17:17	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 17:17	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 17:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 17:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 17:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 17:17	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 17:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 17:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 17:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 17:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 17:17	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 17:17	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 17:17	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 17:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 17:17	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 17:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 17:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 17:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 17:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 17:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 17:17	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 17:17	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 17:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 17:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 17:17	98-82-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-2-20180927 **Lab ID: 50206626011** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 17:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 17:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 17:17	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 17:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 17:17	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 17:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 17:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 17:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 17:17	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 17:17	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 17:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 17:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 17:17	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	85-111	1		10/07/18 17:17	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 17:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-4-20180926 **Lab ID: 50206626012** Collected: 09/26/18 10:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.0	1	10/01/18 10:12	10/08/18 20:50	87-86-5	
Surrogates								
2,4-DCAA (S)	63	%.	37-147	1	10/01/18 10:12	10/08/18 20:50	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**55.3**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	83-32-9	
Acenaphthylene	ND	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	208-96-8	
Anthracene	**3.3**	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	120-12-7	
Benzo(a)anthracene	**0.18**	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	207-08-9	
Chrysene	ND	ug/L	0.54	1	10/02/18 09:03	10/03/18 16:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	53-70-3	
Fluoranthene	**4.6**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	206-44-0	
Fluorene	**50.4**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 16:07	193-39-5	
1-Methylnaphthalene	**14.4**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	91-57-6	
Naphthalene	**2.4**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	91-20-3	
Phenanthrene	**3.8**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	85-01-8	
Pyrene	**2.3**	ug/L	1.1	1	10/02/18 09:03	10/03/18 16:07	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	10-108	1	10/02/18 09:03	10/03/18 16:07	321-60-8	
p-Terphenyl-d14 (S)	72	%.	10-167	1	10/02/18 09:03	10/03/18 16:07	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	59-50-7	
4-Chloroaniline	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	91-58-7	
2-Chlorophenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	7005-72-3	
Dibenzofuran	**44.3**	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	1	10/02/18 09:03	10/04/18 20:01	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	120-83-2	
Diethylphthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	105-67-9	
Dimethylphthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	21.5	1	10/02/18 09:03	10/04/18 20:01	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-4-20180926 **Lab ID: 50206626012** Collected: 09/26/18 10:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	53.8	1	10/02/18 09:03	10/04/18 20:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	87-68-3	
Hexachlorobenzene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	77-47-4	
Hexachloroethane	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	67-72-1	
Isophorone	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01		
2-Nitroaniline	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	88-74-4	
3-Nitroaniline	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	99-09-2	
4-Nitroaniline	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	100-01-6	
Nitrobenzene	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	98-95-3	
2-Nitrophenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	88-75-5	
4-Nitrophenol	ND	ug/L	53.8	1	10/02/18 09:03	10/04/18 20:01	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	53.8	1	10/02/18 09:03	10/04/18 20:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	86-30-6	
Pentachlorophenol	ND	ug/L	53.8	1	10/02/18 09:03	10/04/18 20:01	87-86-5	
Phenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.8	1	10/02/18 09:03	10/04/18 20:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	45	%.	22-108	1	10/02/18 09:03	10/04/18 20:01	4165-60-0	
Phenol-d5 (S)	22	%.	10-61	1	10/02/18 09:03	10/04/18 20:01	4165-62-2	
2-Fluorophenol (S)	32	%.	10-78	1	10/02/18 09:03	10/04/18 20:01	367-12-4	
2,4,6-Tribromophenol (S)	55	%.	23-126	1	10/02/18 09:03	10/04/18 20:01	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 17:41	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 17:41	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 17:41	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 17:41	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 17:41	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 17:41	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 17:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 17:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 17:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 17:41	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 17:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 17:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-4-20180926 **Lab ID: 50206626012** Collected: 09/26/18 10:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 17:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 17:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 17:41	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 17:41	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 17:41	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 17:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 17:41	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 17:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 17:41	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 17:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 17:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 17:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 17:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 17:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 17:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 17:41	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 17:41	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 17:41	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 17:41	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 17:41	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 17:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 17:41	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 17:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 17:41	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 17:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 17:41	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 17:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 17:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 17:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 17:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 17:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 17:41	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-4-20180926 **Lab ID: 50206626012** Collected: 09/26/18 10:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 17:41	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 17:41	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 17:41	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 17:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 17:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		10/07/18 17:41	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	85-111	1		10/07/18 17:41	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 17:41	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-7DD-20180926 **Lab ID: 50206626013** Collected: 09/26/18 12:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**315**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	83-32-9	
Acenaphthylene	**2.0**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:18	208-96-8	
Anthracene	**8.2**	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	120-12-7	
Benzo(a)anthracene	**0.32**	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 16:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	53-70-3	
Fluoranthene	**13.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:18	206-44-0	
Fluorene	**157**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:18	193-39-5	
1-Methylnaphthalene	**346**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	90-12-0	N2
2-Methylnaphthalene	**146**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	91-57-6	
Naphthalene	**1010**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	91-20-3	
Phenanthrene	**153**	ug/L	20.0	20	10/02/18 09:03	10/05/18 15:16	85-01-8	
Pyrene	**7.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:18	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	30	%.	10-108	1	10/02/18 09:03	10/03/18 16:18	321-60-8	
p-Terphenyl-d14 (S)	71	%.	10-167	1	10/02/18 09:03	10/03/18 16:18	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	7005-72-3	
Dibenzofuran	**160**	ug/L	50.0	5	10/02/18 09:03	10/05/18 14:30	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:17	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:17	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	117-81-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-7DD-20180926 **Lab ID: 50206626013** Collected: 09/26/18 12:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:17	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:17	87-86-5	
Phenol	**2620**	ug/L	500	50	10/02/18 09:03	10/05/18 14:46	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	40	%.	22-108	1	10/02/18 09:03	10/04/18 20:17	4165-60-0	
Phenol-d5 (S)	17	%.	10-61	1	10/02/18 09:03	10/04/18 20:17	4165-62-2	
2-Fluorophenol (S)	22	%.	10-78	1	10/02/18 09:03	10/04/18 20:17	367-12-4	
2,4,6-Tribromophenol (S)	53	%.	23-126	1	10/02/18 09:03	10/04/18 20:17	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 18:05	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 18:05	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 18:05	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 18:05	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 18:05	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 18:05	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 18:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 18:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 18:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 18:05	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:05	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:05	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:05	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 18:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 18:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 18:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 18:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 18:05	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:05	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:05	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-7DD-20180926 **Lab ID: 50206626013** Collected: 09/26/18 12:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 18:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 18:05	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 18:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 18:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 18:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 18:05	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 18:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 18:05	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 18:05	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 18:05	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 18:05	74-88-4	
Isopropylbenzene (Cumene)	**9.9**	ug/L	5.0	1		10/07/18 18:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 18:05	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 18:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 18:05	1634-04-4	
n-Propylbenzene	**5.3**	ug/L	5.0	1		10/07/18 18:05	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 18:05	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 18:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 18:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 18:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 18:05	96-18-4	
1,2,4-Trimethylbenzene	**50.6**	ug/L	5.0	1		10/07/18 18:05	95-63-6	
1,3,5-Trimethylbenzene	**24.0**	ug/L	5.0	1		10/07/18 18:05	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 18:05	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 18:05	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-7DD-20180926 **Lab ID: 50206626013** Collected: 09/26/18 12:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 18:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	89-116	1		10/07/18 18:05	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		10/07/18 18:05	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 18:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-9-20180926 **Lab ID: 50206626014** Collected: 09/26/18 14:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**56.5**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	208-96-8	
Anthracene	**3.9**	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	120-12-7	
Benzo(a)anthracene	**0.31**	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	50-32-8	
Benzo(b)fluoranthene	**0.12**	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 16:30	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	53-70-3	
Fluoranthene	**5.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	206-44-0	
Fluorene	**23.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:30	193-39-5	
1-Methylnaphthalene	**25.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	90-12-0	N2
2-Methylnaphthalene	**3.6**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	91-57-6	
Naphthalene	**99.2**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	91-20-3	
Phenanthrene	**22.8**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	85-01-8	
Pyrene	**3.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	10-108	1	10/02/18 09:03	10/03/18 16:30	321-60-8	
p-Terphenyl-d14 (S)	71	%.	10-167	1	10/02/18 09:03	10/03/18 16:30	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	7005-72-3	
Dibenzofuran	**36.4**	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:34	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:34	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	117-81-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-9-20180926 **Lab ID: 50206626014** Collected: 09/26/18 14:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:34	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:34	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:34	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	45	%.	22-108	1	10/02/18 09:03	10/04/18 20:34	4165-60-0	
Phenol-d5 (S)	20	%.	10-61	1	10/02/18 09:03	10/04/18 20:34	4165-62-2	
2-Fluorophenol (S)	28	%.	10-78	1	10/02/18 09:03	10/04/18 20:34	367-12-4	
2,4,6-Tribromophenol (S)	54	%.	23-126	1	10/02/18 09:03	10/04/18 20:34	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 18:30	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 18:30	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 18:30	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 18:30	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 18:30	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 18:30	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 18:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 18:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 18:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 18:30	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 18:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 18:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 18:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 18:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 18:30	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:30	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:30	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-9-20180926 **Lab ID: 50206626014** Collected: 09/26/18 14:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 18:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 18:30	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 18:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 18:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 18:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 18:30	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 18:30	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 18:30	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 18:30	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 18:30	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 18:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 18:30	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 18:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 18:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 18:30	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 18:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 18:30	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 18:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 18:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 18:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 18:30	96-18-4	
1,2,4-Trimethylbenzene	**5.0**	ug/L	5.0	1		10/07/18 18:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 18:30	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 18:30	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 18:30	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-9-20180926 **Lab ID: 50206626014** Collected: 09/26/18 14:35 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 18:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	89-116	1		10/07/18 18:30	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	85-111	1		10/07/18 18:30	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 18:30	2037-26-5	

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-11-20180926 **Lab ID: 50206626015** Collected: 09/26/18 15:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**191**	ug/L	5.0	5	10/02/18 09:03	10/05/18 15:26	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:41	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 16:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	53-70-3	
Fluoranthene	**4.2**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:41	206-44-0	
Fluorene	**98.0**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:41	193-39-5	
1-Methylnaphthalene	**141**	ug/L	5.0	5	10/02/18 09:03	10/05/18 15:26	90-12-0	N2
2-Methylnaphthalene	**87.5**	ug/L	5.0	5	10/02/18 09:03	10/05/18 15:26	91-57-6	
Naphthalene	**3.4**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:41	91-20-3	
Phenanthrene	**94.4**	ug/L	5.0	5	10/02/18 09:03	10/05/18 15:26	85-01-8	
Pyrene	**1.3**	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:41	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	36	%.	10-108	1	10/02/18 09:03	10/03/18 16:41	321-60-8	
p-Terphenyl-d14 (S)	76	%.	10-167	1	10/02/18 09:03	10/03/18 16:41	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	7005-72-3	
Dibenzofuran	**136**	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:50	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 20:50	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	117-81-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-11-20180926 **Lab ID: 50206626015** Collected: 09/26/18 15:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 20:50	87-86-5	
Phenol	**39.5**	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 20:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%.	22-108	1	10/02/18 09:03	10/04/18 20:50	4165-60-0	
Phenol-d5 (S)	20	%.	10-61	1	10/02/18 09:03	10/04/18 20:50	4165-62-2	
2-Fluorophenol (S)	27	%.	10-78	1	10/02/18 09:03	10/04/18 20:50	367-12-4	
2,4,6-Tribromophenol (S)	63	%.	23-126	1	10/02/18 09:03	10/04/18 20:50	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 18:54	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 18:54	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 18:54	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 18:54	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 18:54	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 18:54	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 18:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 18:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 18:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 18:54	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 18:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 18:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 18:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 18:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 18:54	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:54	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 18:54	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-11-20180926 **Lab ID: 50206626015** Collected: 09/26/18 15:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 18:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 18:54	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 18:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 18:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 18:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 18:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 18:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 18:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 18:54	10061-02-6	
Ethylbenzene	**5.4**	ug/L	5.0	1		10/07/18 18:54	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 18:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 18:54	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 18:54	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 18:54	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 18:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 18:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 18:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 18:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 18:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 18:54	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 18:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 18:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 18:54	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 18:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 18:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 18:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 18:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 18:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 18:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 18:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 18:54	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 18:54	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-11-20180926 **Lab ID: 50206626015** Collected: 09/26/18 15:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 18:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	89-116	1		10/07/18 18:54	1868-53-7	
4-Bromofluorobenzene (S)	103	%.	85-111	1		10/07/18 18:54	460-00-4	
Toluene-d8 (S)	97	%.	87-110	1		10/07/18 18:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-17-20180926 **Lab ID: 50206626016** Collected: 09/26/18 17:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.1	1	10/01/18 10:12	10/08/18 21:21	87-86-5	
Surrogates								
2,4-DCAA (S)	67	%.	37-147	1	10/01/18 10:12	10/08/18 21:21	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 09:03	10/03/18 16:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 09:03	10/03/18 16:52	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 09:03	10/03/18 16:52	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	35	%.	10-108	1	10/02/18 09:03	10/03/18 16:52	321-60-8	
p-Terphenyl-d14 (S)	79	%.	10-167	1	10/02/18 09:03	10/03/18 16:52	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 21:06	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 09:03	10/04/18 21:06	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-17-20180926 **Lab ID: 50206626016** Collected: 09/26/18 17:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 21:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 21:06	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 21:06	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 09:03	10/04/18 21:06	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 09:03	10/04/18 21:06	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	39	%.	22-108	1	10/02/18 09:03	10/04/18 21:06	4165-60-0	
Phenol-d5 (S)	17	%.	10-61	1	10/02/18 09:03	10/04/18 21:06	4165-62-2	
2-Fluorophenol (S)	22	%.	10-78	1	10/02/18 09:03	10/04/18 21:06	367-12-4	
2,4,6-Tribromophenol (S)	52	%.	23-126	1	10/02/18 09:03	10/04/18 21:06	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 19:19	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 19:19	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 19:19	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 19:19	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 19:19	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 19:19	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 19:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 19:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 19:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 19:19	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 19:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 19:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-17-20180926 **Lab ID: 50206626016** Collected: 09/26/18 17:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 19:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 19:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 19:19	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 19:19	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 19:19	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 19:19	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 19:19	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 19:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 19:19	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 19:19	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 19:19	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 19:19	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 19:19	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 19:19	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 19:19	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 19:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 19:19	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 19:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 19:19	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-17-20180926 **Lab ID: 50206626016** Collected: 09/26/18 17:30 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 19:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 19:19	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 19:19	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 19:19	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 19:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		10/07/18 19:19	1868-53-7	
4-Bromofluorobenzene (S)	104	%.	85-111	1		10/07/18 19:19	460-00-4	
Toluene-d8 (S)	94	%.	87-110	1		10/07/18 19:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18-20180927 **Lab ID: 50206626017** Collected: 09/27/18 09:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**70.1**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	83-32-9	M1
Acenaphthylene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	208-96-8	
Anthracene	**0.33**	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	207-08-9	
Chrysene	ND	ug/L	0.62	1	10/02/18 09:03	10/03/18 17:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	53-70-3	
Fluoranthene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	206-44-0	
Fluorene	**20.7**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:04	193-39-5	
1-Methylnaphthalene	**92.7**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	90-12-0	M1,N2
2-Methylnaphthalene	**10.2**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	91-57-6	
Naphthalene	**1.9**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	91-20-3	
Phenanthrene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	85-01-8	
Pyrene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	42	%.	10-108	1	10/02/18 09:03	10/03/18 17:04	321-60-8	
p-Terphenyl-d14 (S)	84	%.	10-167	1	10/02/18 09:03	10/03/18 17:04	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	101-55-3	
Butylbenzylphthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	59-50-7	
4-Chloroaniline	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	108-60-1	
2-Chloronaphthalene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	91-58-7	
2-Chlorophenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	7005-72-3	
Dibenzofuran	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	25.0	1	10/02/18 09:03	10/04/18 21:22	91-94-1	
2,4-Dichlorophenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	120-83-2	
Diethylphthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	84-66-2	
2,4-Dimethylphenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	105-67-9	
Dimethylphthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	131-11-3	
Di-n-butylphthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	25.0	1	10/02/18 09:03	10/04/18 21:22	534-52-1	
2,4-Dinitrophenol	ND	ug/L	62.5	1	10/02/18 09:03	10/04/18 21:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	606-20-2	
Di-n-octylphthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	117-81-7	

Pace Analytical Services, LLC
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18-20180927 **Lab ID: 50206626017** Collected: 09/27/18 09:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	87-68-3	
Hexachlorobenzene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	77-47-4	
Hexachloroethane	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	67-72-1	
Isophorone	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22		
2-Nitroaniline	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	88-74-4	
3-Nitroaniline	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	99-09-2	
4-Nitroaniline	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	100-01-6	
Nitrobenzene	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	98-95-3	
2-Nitrophenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	88-75-5	
4-Nitrophenol	ND	ug/L	62.5	1	10/02/18 09:03	10/04/18 21:22	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	62.5	1	10/02/18 09:03	10/04/18 21:22	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	86-30-6	
Pentachlorophenol	ND	ug/L	62.5	1	10/02/18 09:03	10/04/18 21:22	87-86-5	
Phenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	108-95-2	R1
2,4,5-Trichlorophenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	12.5	1	10/02/18 09:03	10/04/18 21:22	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	47	%.	22-108	1	10/02/18 09:03	10/04/18 21:22	4165-60-0	
Phenol-d5 (S)	25	%.	10-61	1	10/02/18 09:03	10/04/18 21:22	4165-62-2	
2-Fluorophenol (S)	34	%.	10-78	1	10/02/18 09:03	10/04/18 21:22	367-12-4	
2,4,6-Tribromophenol (S)	60	%.	23-126	1	10/02/18 09:03	10/04/18 21:22	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 11:34	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 11:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 11:34	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 11:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 11:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 11:34	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 11:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 11:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 11:34	74-83-9	R1
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 11:34	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 11:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 11:34	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 11:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 11:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 11:34	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 11:34	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 11:34	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18-20180927 **Lab ID: 50206626017** Collected: 09/27/18 09:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 11:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 11:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 11:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 11:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 11:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 11:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 11:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 11:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 11:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 11:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 11:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 11:34	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 11:34	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 11:34	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 11:34	74-88-4	R1
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 11:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 11:34	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 11:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 11:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 11:34	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 11:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 11:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 11:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 11:34	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 11:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 11:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 11:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 11:34	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 11:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 11:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 11:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 11:34	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 11:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 11:34	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18-20180927 **Lab ID: 50206626017** Collected: 09/27/18 09:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 11:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 11:34	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	85-111	1		10/07/18 11:34	460-00-4	
Toluene-d8 (S)	96	%.	87-110	1		10/07/18 11:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18D-20180927 **Lab ID: 50206626018** Collected: 09/27/18 12:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**103**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	83-32-9	
Acenaphthylene	ND	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	208-96-8	
Anthracene	**4.0**	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	120-12-7	
Benzo(a)anthracene	**0.18**	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	207-08-9	
Chrysene	ND	ug/L	0.53	1	10/02/18 09:03	10/03/18 17:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	53-70-3	
Fluoranthene	**3.8**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	206-44-0	
Fluorene	**64.8**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.11	1	10/02/18 09:03	10/03/18 17:38	193-39-5	
1-Methylnaphthalene	**76.9**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	90-12-0	N2
2-Methylnaphthalene	**166**	ug/L	21.1	20	10/02/18 09:03	10/05/18 15:35	91-57-6	
Naphthalene	**1260**	ug/L	21.1	20	10/02/18 09:03	10/05/18 15:35	91-20-3	
Phenanthrene	**54.1**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	85-01-8	
Pyrene	**2.0**	ug/L	1.1	1	10/02/18 09:03	10/03/18 17:38	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	23	%.	10-108	1	10/02/18 09:03	10/03/18 17:38	321-60-8	
p-Terphenyl-d14 (S)	46	%.	10-167	1	10/02/18 09:03	10/03/18 17:38	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	59-50-7	
4-Chloroaniline	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	91-58-7	
2-Chlorophenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	7005-72-3	
Dibenzofuran	**71.2**	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	21.1	1	10/02/18 09:03	10/04/18 22:11	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	120-83-2	
Diethylphthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	105-67-9	
Dimethylphthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	21.1	1	10/02/18 09:03	10/04/18 22:11	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.6	1	10/02/18 09:03	10/04/18 22:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	117-81-7	

Pace Analytical Services, LLC
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18D-20180927 **Lab ID: 50206626018** Collected: 09/27/18 12:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	87-68-3	
Hexachlorobenzene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	77-47-4	
Hexachloroethane	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	67-72-1	
Isophorone	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11		
2-Nitroaniline	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	88-74-4	
3-Nitroaniline	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	99-09-2	
4-Nitroaniline	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	100-01-6	
Nitrobenzene	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	98-95-3	
2-Nitrophenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	88-75-5	
4-Nitrophenol	ND	ug/L	52.6	1	10/02/18 09:03	10/04/18 22:11	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	52.6	1	10/02/18 09:03	10/04/18 22:11	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	86-30-6	
Pentachlorophenol	ND	ug/L	52.6	1	10/02/18 09:03	10/04/18 22:11	87-86-5	
Phenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.5	1	10/02/18 09:03	10/04/18 22:11	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	29	%.	22-108	1	10/02/18 09:03	10/04/18 22:11	4165-60-0	
Phenol-d5 (S)	15	%.	10-61	1	10/02/18 09:03	10/04/18 22:11	4165-62-2	
2-Fluorophenol (S)	22	%.	10-78	1	10/02/18 09:03	10/04/18 22:11	367-12-4	
2,4,6-Tribromophenol (S)	39	%.	23-126	1	10/02/18 09:03	10/04/18 22:11	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 19:43	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 19:43	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 19:43	107-13-1	
Benzene	**5.2**	ug/L	5.0	1		10/07/18 19:43	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 19:43	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 19:43	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 19:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 19:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 19:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 19:43	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:43	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:43	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 19:43	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 19:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 19:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 19:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 19:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 19:43	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 19:43	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 19:43	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18D-20180927 **Lab ID: 50206626018** Collected: 09/27/18 12:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 19:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 19:43	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 19:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 19:43	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 19:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 19:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 19:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 19:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 19:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 19:43	10061-02-6	
Ethylbenzene	**38.8**	ug/L	5.0	1		10/07/18 19:43	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 19:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 19:43	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 19:43	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 19:43	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 19:43	74-88-4	
Isopropylbenzene (Cumene)	**5.5**	ug/L	5.0	1		10/07/18 19:43	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 19:43	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 19:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 19:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 19:43	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 19:43	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 19:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 19:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 19:43	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 19:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 19:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 19:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 19:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 19:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 19:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 19:43	96-18-4	
1,2,4-Trimethylbenzene	**48.7**	ug/L	5.0	1		10/07/18 19:43	95-63-6	
1,3,5-Trimethylbenzene	**17.5**	ug/L	5.0	1		10/07/18 19:43	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 19:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 19:43	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-18D-20180927 **Lab ID: 50206626018** Collected: 09/27/18 12:25 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	**72.4**	ug/L	10.0	1		10/07/18 19:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	89-116	1		10/07/18 19:43	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	85-111	1		10/07/18 19:43	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		10/07/18 19:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-26D-20180927 **Lab ID: 50206626019** Collected: 09/27/18 14:50 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.0	1	10/01/18 10:12	10/08/18 21:51	87-86-5	
Surrogates								
2,4-DCAA (S)	57	%.	37-147	1	10/01/18 10:12	10/08/18 21:51	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	**194**	ug/L	11.9	10	10/02/18 09:03	10/05/18 15:45	83-32-9	
Acenaphthylene	**1.3**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:50	208-96-8	
Anthracene	**0.32**	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	207-08-9	
Chrysene	ND	ug/L	0.60	1	10/02/18 09:03	10/03/18 17:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	53-70-3	
Fluoranthene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:50	206-44-0	
Fluorene	**85.6**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:50	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.12	1	10/02/18 09:03	10/03/18 17:50	193-39-5	
1-Methylnaphthalene	**250**	ug/L	11.9	10	10/02/18 09:03	10/05/18 15:45	90-12-0	N2
2-Methylnaphthalene	**356**	ug/L	11.9	10	10/02/18 09:03	10/05/18 15:45	91-57-6	
Naphthalene	**1020**	ug/L	11.9	10	10/02/18 09:03	10/05/18 15:45	91-20-3	
Phenanthrene	**7.3**	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:50	85-01-8	
Pyrene	ND	ug/L	1.2	1	10/02/18 09:03	10/03/18 17:50	129-00-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	101-55-3	
Butylbenzylphthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	59-50-7	
4-Chloroaniline	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	108-60-1	
2-Chloronaphthalene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	91-58-7	
2-Chlorophenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	7005-72-3	
Dibenzofuran	**71.9**	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	23.8	1	10/02/18 09:03	10/04/18 22:27	91-94-1	
2,4-Dichlorophenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	120-83-2	
Diethylphthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	84-66-2	
2,4-Dimethylphenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	105-67-9	
Dimethylphthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	131-11-3	
Di-n-butylphthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	23.8	1	10/02/18 09:03	10/04/18 22:27	534-52-1	
2,4-Dinitrophenol	ND	ug/L	59.5	1	10/02/18 09:03	10/04/18 22:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-26D-20180927 **Lab ID: 50206626019** Collected: 09/27/18 14:50 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,6-Dinitrotoluene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	606-20-2	
Di-n-octylphthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	87-68-3	
Hexachlorobenzene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	77-47-4	
Hexachloroethane	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	67-72-1	
Isophorone	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27		
2-Nitroaniline	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	88-74-4	
3-Nitroaniline	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	99-09-2	
4-Nitroaniline	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	100-01-6	
Nitrobenzene	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	98-95-3	
2-Nitrophenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	88-75-5	
4-Nitrophenol	ND	ug/L	59.5	1	10/02/18 09:03	10/04/18 22:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	59.5	1	10/02/18 09:03	10/04/18 22:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	86-30-6	
Pentachlorophenol	ND	ug/L	59.5	1	10/02/18 09:03	10/04/18 22:27	87-86-5	
Phenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	11.9	1	10/02/18 09:03	10/04/18 22:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	56	%.	22-108	1	10/02/18 09:03	10/04/18 22:27	4165-60-0	
Phenol-d5 (S)	28	%.	10-61	1	10/02/18 09:03	10/04/18 22:27	4165-62-2	
2-Fluorophenol (S)	39	%.	10-78	1	10/02/18 09:03	10/04/18 22:27	367-12-4	
2,4,6-Tribromophenol (S)	67	%.	23-126	1	10/02/18 09:03	10/04/18 22:27	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 20:08	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 20:08	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 20:08	107-13-1	
Benzene	**12.5**	ug/L	5.0	1		10/07/18 20:08	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 20:08	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 20:08	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 20:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 20:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 20:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 20:08	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:08	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:08	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 20:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 20:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 20:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 20:08	67-66-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-26D-20180927 **Lab ID: 50206626019** Collected: 09/27/18 14:50 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloromethane	ND	ug/L	5.0	1		10/07/18 20:08	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:08	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:08	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 20:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 20:08	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 20:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 20:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 20:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:08	10061-02-6	
Ethylbenzene	**78.2**	ug/L	5.0	1		10/07/18 20:08	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 20:08	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 20:08	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 20:08	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 20:08	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 20:08	74-88-4	
Isopropylbenzene (Cumene)	**12.4**	ug/L	5.0	1		10/07/18 20:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 20:08	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 20:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 20:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 20:08	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 20:08	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:08	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 20:08	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 20:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 20:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 20:08	96-18-4	
1,2,4-Trimethylbenzene	**44.3**	ug/L	5.0	1		10/07/18 20:08	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-26D-20180927 **Lab ID: 50206626019** Collected: 09/27/18 14:50 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	**17.2**	ug/L	5.0	1		10/07/18 20:08	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 20:08	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 20:08	75-01-4	
Xylene (Total)	**106**	ug/L	10.0	1		10/07/18 20:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	89-116	1		10/07/18 20:08	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		10/07/18 20:08	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		10/07/18 20:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-27D-20180927 **Lab ID: 50206626020** Collected: 09/27/18 17:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 13:08	10/03/18 13:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 13:55	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 13:55	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	37	%.	10-108	1	10/02/18 13:08	10/03/18 13:55	321-60-8	
p-Terphenyl-d14 (S)	46	%.	10-167	1	10/02/18 13:08	10/03/18 13:55	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 13:08	10/03/18 22:00	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 13:08	10/03/18 22:00	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:00	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	117-81-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-27D-20180927 **Lab ID: 50206626020** Collected: 09/27/18 17:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:00	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:00	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:00	87-86-5	
Phenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	43	%.	22-108	1	10/02/18 13:08	10/03/18 22:00	4165-60-0	
Phenol-d5 (S)	21	%.	10-61	1	10/02/18 13:08	10/03/18 22:00	4165-62-2	
2-Fluorophenol (S)	30	%.	10-78	1	10/02/18 13:08	10/03/18 22:00	367-12-4	
2,4,6-Tribromophenol (S)	47	%.	23-126	1	10/02/18 13:08	10/03/18 22:00	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 20:32	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 20:32	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 20:32	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 20:32	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 20:32	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 20:32	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 20:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 20:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 20:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 20:32	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 20:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 20:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 20:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 20:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 20:32	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:32	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:32	106-43-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-27D-20180927 **Lab ID: 50206626020** Collected: 09/27/18 17:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 20:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 20:32	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 20:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 20:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 20:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 20:32	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 20:32	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 20:32	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 20:32	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 20:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 20:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 20:32	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 20:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 20:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 20:32	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 20:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:32	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 20:32	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 20:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 20:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 20:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 20:32	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 20:32	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 20:32	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 20:32	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-27D-20180927 **Lab ID: 50206626020** Collected: 09/27/18 17:05 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 20:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 20:32	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		10/07/18 20:32	460-00-4	
Toluene-d8 (S)	95	%.	87-110	1		10/07/18 20:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-DUP-1-20180927 **Lab ID: 50206626021** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.1	1	10/01/18 10:12	10/08/18 23:22	87-86-5	
Surrogates								
2,4-DCAA (S)	74	%.	37-147	1	10/01/18 10:12	10/08/18 23:22	19719-28-9	
8270 100mL Combo RV	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	208-96-8	
Anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	207-08-9	
Chrysene	ND	ug/L	0.50	1	10/02/18 13:08	10/03/18 14:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	53-70-3	
Fluoranthene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	206-44-0	
Fluorene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.10	1	10/02/18 13:08	10/03/18 14:04	193-39-5	
1-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	90-12-0	N2
2-Methylnaphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	91-57-6	
Naphthalene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	91-20-3	
Phenanthrene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	85-01-8	
Pyrene	ND	ug/L	1.0	1	10/02/18 13:08	10/03/18 14:04	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	45	%.	10-108	1	10/02/18 13:08	10/03/18 14:04	321-60-8	
p-Terphenyl-d14 (S)	61	%.	10-167	1	10/02/18 13:08	10/03/18 14:04	1718-51-0	
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzyl alcohol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	59-50-7	
4-Chloroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	7005-72-3	
Dibenzofuran	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	10/02/18 13:08	10/03/18 22:16	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	10/02/18 13:08	10/03/18 22:16	534-52-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-DUP-1-20180927 **Lab ID: 50206626021** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 SVOC Combo Water	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	117-81-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	67-72-1	
Isophorone	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	78-59-1	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16		
2-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	88-74-4	
3-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	99-09-2	
4-Nitroaniline	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:16	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	10/02/18 13:08	10/03/18 22:16	87-86-5	
Phenol	**64.4**	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	108-95-2	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	10/02/18 13:08	10/03/18 22:16	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	54	%.	22-108	1	10/02/18 13:08	10/03/18 22:16	4165-60-0	
Phenol-d5 (S)	26	%.	10-61	1	10/02/18 13:08	10/03/18 22:16	4165-62-2	
2-Fluorophenol (S)	36	%.	10-78	1	10/02/18 13:08	10/03/18 22:16	367-12-4	
2,4,6-Tribromophenol (S)	61	%.	23-126	1	10/02/18 13:08	10/03/18 22:16	118-79-6	
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 20:57	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 20:57	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 20:57	107-13-1	
Benzene	**12.0**	ug/L	5.0	1		10/07/18 20:57	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 20:57	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 20:57	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 20:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 20:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 20:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 20:57	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:57	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:57	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 20:57	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 20:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 20:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-DUP-1-20180927 **Lab ID: 50206626021** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Chloroethane	ND	ug/L	5.0	1		10/07/18 20:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 20:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 20:57	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:57	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 20:57	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 20:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 20:57	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 20:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 20:57	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 20:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 20:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 20:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 20:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 20:57	10061-02-6	
Ethylbenzene	**77.8**	ug/L	5.0	1		10/07/18 20:57	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 20:57	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 20:57	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 20:57	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 20:57	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 20:57	74-88-4	
Isopropylbenzene (Cumene)	**12.2**	ug/L	5.0	1		10/07/18 20:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 20:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 20:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 20:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 20:57	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 20:57	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 20:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 20:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 20:57	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 20:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 20:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 20:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 20:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 20:57	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: MW-DUP-1-20180927 **Lab ID: 50206626021** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 20:57	96-18-4	
1,2,4-Trimethylbenzene	**42.2**	ug/L	5.0	1		10/07/18 20:57	95-63-6	
1,3,5-Trimethylbenzene	**17.1**	ug/L	5.0	1		10/07/18 20:57	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 20:57	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 20:57	75-01-4	
Xylene (Total)	**104**	ug/L	10.0	1		10/07/18 20:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 20:57	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	85-111	1		10/07/18 20:57	460-00-4	
Toluene-d8 (S)	98	%.	87-110	1		10/07/18 20:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-3-20180927 **Lab ID: 50206626022** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		10/07/18 21:21	67-64-1	
Acrolein	ND	ug/L	50.0	1		10/07/18 21:21	107-02-8	
Acrylonitrile	ND	ug/L	100	1		10/07/18 21:21	107-13-1	
Benzene	ND	ug/L	5.0	1		10/07/18 21:21	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		10/07/18 21:21	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		10/07/18 21:21	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		10/07/18 21:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		10/07/18 21:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		10/07/18 21:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		10/07/18 21:21	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		10/07/18 21:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		10/07/18 21:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		10/07/18 21:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		10/07/18 21:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		10/07/18 21:21	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 21:21	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		10/07/18 21:21	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		10/07/18 21:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		10/07/18 21:21	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		10/07/18 21:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		10/07/18 21:21	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		10/07/18 21:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		10/07/18 21:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		10/07/18 21:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		10/07/18 21:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 21:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		10/07/18 21:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 21:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		10/07/18 21:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		10/07/18 21:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		10/07/18 21:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 21:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		10/07/18 21:21	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		10/07/18 21:21	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		10/07/18 21:21	87-68-3	
n-Hexane	ND	ug/L	5.0	1		10/07/18 21:21	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		10/07/18 21:21	591-78-6	
Iodomethane	ND	ug/L	10.0	1		10/07/18 21:21	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		10/07/18 21:21	98-82-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Sample: TB-3-20180927 **Lab ID: 50206626022** Collected: 09/27/18 08:00 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5030 MSV	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		10/07/18 21:21	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		10/07/18 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		10/07/18 21:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		10/07/18 21:21	1634-04-4	
n-Propylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	103-65-1	
Styrene	ND	ug/L	5.0	1		10/07/18 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		10/07/18 21:21	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		10/07/18 21:21	127-18-4	
Toluene	ND	ug/L	5.0	1		10/07/18 21:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		10/07/18 21:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		10/07/18 21:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		10/07/18 21:21	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		10/07/18 21:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		10/07/18 21:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		10/07/18 21:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		10/07/18 21:21	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		10/07/18 21:21	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		10/07/18 21:21	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		10/07/18 21:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	89-116	1		10/07/18 21:21	1868-53-7	
4-Bromofluorobenzene (S)	102	%.	85-111	1		10/07/18 21:21	460-00-4	
Toluene-d8 (S)	95	%.	87-110	1		10/07/18 21:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464085 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50206626001, 50206626006

METHOD BLANK: 2142278 Matrix: Water
Associated Lab Samples: 50206626001, 50206626006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	10/04/18 01:17	

LABORATORY CONTROL SAMPLE: 2142279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	966	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2142280 2142281

Parameter	Units	50206651001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	21.4	1000	1000	1030	1020	101	100	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464566 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 50206626001, 50206626006

METHOD BLANK: 2144290 Matrix: Water
Associated Lab Samples: 50206626001, 50206626006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	ND	10.0	10/04/18 02:39	

LABORATORY CONTROL SAMPLE: 2144291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	1000	929	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2144292 2144293

Parameter	Units	50206626001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic, Dissolved	ug/L	17.6	1000	1000	990	969	97	95	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 465246 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626017

METHOD BLANK: 2147762 Matrix: Water
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,1,1-Trichloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,1-Dichloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,1-Dichloroethene	ug/L	ND	5.0	10/07/18 03:26	
1,1-Dichloropropene	ug/L	ND	5.0	10/07/18 03:26	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
1,2,3-Trichloropropane	ug/L	ND	5.0	10/07/18 03:26	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	10/07/18 03:26	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/07/18 03:26	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
1,2-Dichloroethane	ug/L	ND	5.0	10/07/18 03:26	
1,2-Dichloropropane	ug/L	ND	5.0	10/07/18 03:26	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	10/07/18 03:26	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
1,3-Dichloropropane	ug/L	ND	5.0	10/07/18 03:26	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
2,2-Dichloropropane	ug/L	ND	5.0	10/07/18 03:26	
2-Butanone (MEK)	ug/L	ND	25.0	10/07/18 03:26	
2-Chlorotoluene	ug/L	ND	5.0	10/07/18 03:26	
2-Hexanone	ug/L	ND	25.0	10/07/18 03:26	
4-Chlorotoluene	ug/L	ND	5.0	10/07/18 03:26	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/07/18 03:26	
Acetone	ug/L	ND	100	10/07/18 03:26	
Acrolein	ug/L	ND	50.0	10/07/18 03:26	
Acrylonitrile	ug/L	ND	100	10/07/18 03:26	
Benzene	ug/L	ND	5.0	10/07/18 03:26	
Bromobenzene	ug/L	ND	5.0	10/07/18 03:26	
Bromochloromethane	ug/L	ND	5.0	10/07/18 03:26	
Bromodichloromethane	ug/L	ND	5.0	10/07/18 03:26	
Bromoform	ug/L	ND	5.0	10/07/18 03:26	
Bromomethane	ug/L	ND	5.0	10/07/18 03:26	
Carbon disulfide	ug/L	ND	10.0	10/07/18 03:26	
Carbon tetrachloride	ug/L	ND	5.0	10/07/18 03:26	
Chlorobenzene	ug/L	ND	5.0	10/07/18 03:26	
Chloroethane	ug/L	ND	5.0	10/07/18 03:26	
Chloroform	ug/L	ND	5.0	10/07/18 03:26	
Chloromethane	ug/L	ND	5.0	10/07/18 03:26	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

METHOD BLANK: 2147762 Matrix: Water

Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/07/18 03:26	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/07/18 03:26	
Dibromochloromethane	ug/L	ND	5.0	10/07/18 03:26	
Dibromomethane	ug/L	ND	5.0	10/07/18 03:26	
Dichlorodifluoromethane	ug/L	ND	5.0	10/07/18 03:26	
Ethyl methacrylate	ug/L	ND	100	10/07/18 03:26	
Ethylbenzene	ug/L	ND	5.0	10/07/18 03:26	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/07/18 03:26	
Iodomethane	ug/L	ND	10.0	10/07/18 03:26	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/07/18 03:26	
Methyl-tert-butyl ether	ug/L	ND	4.0	10/07/18 03:26	
Methylene Chloride	ug/L	ND	5.0	10/07/18 03:26	
n-Butylbenzene	ug/L	ND	5.0	10/07/18 03:26	
n-Hexane	ug/L	ND	5.0	10/07/18 03:26	
n-Propylbenzene	ug/L	ND	5.0	10/07/18 03:26	
p-Isopropyltoluene	ug/L	ND	5.0	10/07/18 03:26	
sec-Butylbenzene	ug/L	ND	5.0	10/07/18 03:26	
Styrene	ug/L	ND	5.0	10/07/18 03:26	
tert-Butylbenzene	ug/L	ND	5.0	10/07/18 03:26	
Tetrachloroethene	ug/L	ND	5.0	10/07/18 03:26	
Toluene	ug/L	ND	5.0	10/07/18 03:26	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/07/18 03:26	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/07/18 03:26	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	10/07/18 03:26	
Trichloroethene	ug/L	ND	5.0	10/07/18 03:26	
Trichlorofluoromethane	ug/L	ND	5.0	10/07/18 03:26	
Vinyl acetate	ug/L	ND	50.0	10/07/18 03:26	
Vinyl chloride	ug/L	ND	2.0	10/07/18 03:26	
Xylene (Total)	ug/L	ND	10.0	10/07/18 03:26	
4-Bromofluorobenzene (S)	%.	102	85-111	10/07/18 03:26	
Dibromofluoromethane (S)	%.	99	89-116	10/07/18 03:26	
Toluene-d8 (S)	%.	97	87-110	10/07/18 03:26	

LABORATORY CONTROL SAMPLE: 2147763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.5	101	80-120	
1,1,1-Trichloroethane	ug/L	50	52.9	106	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	48.3	97	73-117	
1,1,2-Trichloroethane	ug/L	50	52.3	105	74-119	
1,1-Dichloroethane	ug/L	50	47.3	95	72-119	
1,1-Dichloroethene	ug/L	50	49.6	99	72-123	
1,1-Dichloropropene	ug/L	50	49.4	99	77-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2147763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	51.9	104	74-125	
1,2,3-Trichloropropane	ug/L	50	54.0	108	82-121	
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	70-125	
1,2,4-Trimethylbenzene	ug/L	50	49.5	99	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	100	80-120	
1,2-Dichlorobenzene	ug/L	50	46.4	93	77-117	
1,2-Dichloroethane	ug/L	50	53.5	107	69-122	
1,2-Dichloropropane	ug/L	50	54.1	108	75-124	
1,3,5-Trimethylbenzene	ug/L	50	48.4	97	75-117	
1,3-Dichlorobenzene	ug/L	50	47.4	95	76-116	
1,3-Dichloropropane	ug/L	50	49.6	99	82-118	
1,4-Dichlorobenzene	ug/L	50	46.3	93	74-115	
2,2-Dichloropropane	ug/L	50	44.3	89	51-133	
2-Butanone (MEK)	ug/L	250	273	109	72-147	
2-Chlorotoluene	ug/L	50	48.7	97	73-113	
2-Hexanone	ug/L	250	244	98	71-132	
4-Chlorotoluene	ug/L	50	46.0	92	78-118	
4-Methyl-2-pentanone (MIBK)	ug/L	250	243	97	89-128	
Acetone	ug/L	250	284	114	46-170	
Acrolein	ug/L	1000	1000	100	13-200	
Acrylonitrile	ug/L	200	201	101	65-130	
Benzene	ug/L	50	47.3	95	78-117	
Bromobenzene	ug/L	50	49.4	99	66-126	
Bromochloromethane	ug/L	50	60.7	121	76-120	L1
Bromodichloromethane	ug/L	50	49.2	98	76-120	
Bromoform	ug/L	50	47.7	95	70-124	
Bromomethane	ug/L	50	31.6	63	29-181	
Carbon disulfide	ug/L	50	46.6	93	66-123	
Carbon tetrachloride	ug/L	50	53.5	107	73-132	
Chlorobenzene	ug/L	50	47.5	95	79-112	
Chloroethane	ug/L	50	51.2	102	59-156	
Chloroform	ug/L	50	48.9	98	76-118	
Chloromethane	ug/L	50	27.2	54	45-142	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	75-117	
cis-1,3-Dichloropropene	ug/L	50	49.9	100	77-120	
Dibromochloromethane	ug/L	50	52.0	104	78-123	
Dibromomethane	ug/L	50	54.3	109	78-122	
Dichlorodifluoromethane	ug/L	50	55.9	112	41-168	
Ethyl methacrylate	ug/L	200	214	107	75-128	
Ethylbenzene	ug/L	50	49.1	98	80-118	
Hexachloro-1,3-butadiene	ug/L	50	48.8	98	73-125	
Iodomethane	ug/L	100	104	104	35-174	
Isopropylbenzene (Cumene)	ug/L	50	49.7	99	81-117	
Methyl-tert-butyl ether	ug/L	50	51.0	102	71-124	
Methylene Chloride	ug/L	50	50.3	101	59-136	
n-Butylbenzene	ug/L	50	49.5	99	72-118	
n-Hexane	ug/L	50	47.4	95	60-128	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2147763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	50	48.1	96	75-120	
p-Isopropyltoluene	ug/L	50	48.9	98	75-115	
sec-Butylbenzene	ug/L	50	48.8	98	76-120	
Styrene	ug/L	50	49.5	99	74-121	
tert-Butylbenzene	ug/L	50	42.9	86	55-109	
Tetrachloroethene	ug/L	50	46.2	92	76-116	
Toluene	ug/L	50	46.9	94	77-115	
trans-1,2-Dichloroethene	ug/L	50	47.7	95	75-121	
trans-1,3-Dichloropropene	ug/L	50	50.0	100	77-121	
trans-1,4-Dichloro-2-butene	ug/L	200	178	89	42-128	
Trichloroethene	ug/L	50	45.7	91	76-120	
Trichlorofluoromethane	ug/L	50	51.1	102	81-141	
Vinyl acetate	ug/L	200	213	106	67-131	
Vinyl chloride	ug/L	50	47.2	94	64-155	
Xylene (Total)	ug/L	150	152	101	78-118	
4-Bromofluorobenzene (S)	%.			105	85-111	
Dibromofluoromethane (S)	%.			100	89-116	
Toluene-d8 (S)	%.			98	87-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147764 2147765

Parameter	Units	50206626017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	49.8	49.9	100	100	48-138	0	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	55.0	55.2	110	110	50-141	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.9	46.6	94	93	52-131	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	50.5	51.0	101	102	53-131	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	48.8	50.3	98	101	51-130	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.3	53.2	103	106	51-138	4	20	
1,1-Dichloropropene	ug/L	ND	50	50	51.9	52.7	104	105	47-143	2	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	51.0	52.8	102	106	26-143	3	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	51.7	52.8	103	106	60-136	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	48.7	49.2	97	98	20-142	1	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50.5	51.3	95	96	19-148	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.7	48.1	95	96	57-134	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	44.8	46.2	90	92	30-142	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	54.2	55.8	108	112	46-139	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	51.7	55.4	103	111	54-135	7	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	48.0	48.5	94	95	16-149	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	45.7	47.1	91	94	24-142	3	20	
1,3-Dichloropropane	ug/L	ND	50	50	47.5	47.2	95	94	59-134	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	44.9	45.1	90	90	24-140	0	20	
2,2-Dichloropropane	ug/L	ND	50	50	38.3	39.0	77	78	24-138	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	280	272	112	109	49-156	3	20	
2-Chlorotoluene	ug/L	ND	50	50	47.1	48.4	94	97	21-143	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147764 2147765

Parameter	Units	50206626017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	ND	250	250	241	235	97	94	53-140	3	20	
4-Chlorotoluene	ug/L	ND	50	50	44.3	46.1	89	92	23-147	4	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	235	231	94	93	50-139	2	20	
Acetone	ug/L	ND	250	250	281	279	112	112	34-160	1	20	
Acrolein	ug/L	ND	1000	1000	891	871	89	87	30-178	2	20	
Acrylonitrile	ug/L	ND	200	200	199	199	100	99	54-136	0	20	
Benzene	ug/L	ND	50	50	48.6	48.7	97	97	50-135	0	20	
Bromobenzene	ug/L	ND	50	50	48.2	48.8	96	98	28-147	1	20	
Bromochloromethane	ug/L	ND	50	50	63.1	61.4	126	123	54-138	3	20	
Bromodichloromethane	ug/L	ND	50	50	50.1	51.0	100	102	50-135	2	20	
Bromoform	ug/L	ND	50	50	45.0	46.3	90	93	43-133	3	20	
Bromomethane	ug/L	ND	50	50	18.0	29.2	36	58	15-170	48	20	R1
Carbon disulfide	ug/L	ND	50	50	50.2	52.7	100	105	36-139	5	20	
Carbon tetrachloride	ug/L	ND	50	50	54.6	56.6	109	113	43-151	4	20	
Chlorobenzene	ug/L	ND	50	50	46.2	46.0	92	92	39-135	0	20	
Chloroethane	ug/L	ND	50	50	55.1	56.3	110	113	42-165	2	20	
Chloroform	ug/L	ND	50	50	50.6	51.0	101	102	52-134	1	20	
Chloromethane	ug/L	ND	50	50	23.8	26.9	48	54	33-146	12	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	49.2	51.4	98	103	48-133	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	44.8	47.1	90	94	46-131	5	20	
Dibromochloromethane	ug/L	ND	50	50	49.8	50.2	100	100	50-139	1	20	
Dibromomethane	ug/L	ND	50	50	54.5	55.9	109	112	55-137	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	58.1	59.2	116	118	29-178	2	20	
Ethyl methacrylate	ug/L	ND	200	200	208	206	104	103	58-136	1	20	
Ethylbenzene	ug/L	ND	50	50	48.9	48.6	98	97	31-147	0	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	49.5	51.4	99	103	10-158	4	20	
Iodomethane	ug/L	ND	100	100	69.9	86.8	70	87	17-173	22	20	R1
Isopropylbenzene (Cumene)	ug/L	ND	50	50	51.5	50.9	97	96	25-151	1	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	51.4	51.9	103	104	51-142	1	20	
Methylene Chloride	ug/L	ND	50	50	48.6	50.5	97	101	41-142	4	20	
n-Butylbenzene	ug/L	ND	50	50	48.1	48.9	96	98	10-153	2	20	
n-Hexane	ug/L	ND	50	50	46.7	48.9	93	98	35-141	5	20	
n-Propylbenzene	ug/L	ND	50	50	49.7	48.6	96	94	16-153	2	20	
p-Isopropyltoluene	ug/L	ND	50	50	47.7	47.9	95	96	11-150	0	20	
sec-Butylbenzene	ug/L	ND	50	50	47.5	48.0	95	96	11-157	1	20	
Styrene	ug/L	ND	50	50	48.8	48.6	98	97	28-142	1	20	
tert-Butylbenzene	ug/L	ND	50	50	41.8	42.6	84	85	11-132	2	20	
Tetrachloroethene	ug/L	ND	50	50	45.7	45.7	91	91	34-140	0	20	
Toluene	ug/L	ND	50	50	46.6	47.6	93	95	43-134	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.1	50.5	100	101	51-135	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	46.1	46.9	92	94	44-133	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	163	160	81	80	12-138	2	20	
Trichloroethene	ug/L	ND	50	50	48.3	47.7	97	95	40-141	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	51.0	52.6	102	105	56-162	3	20	
Vinyl acetate	ug/L	ND	200	200	174	154	87	77	11-134	12	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147764 2147765

Parameter	Units	50206626017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	ND	50	50	49.1	52.5	98	105	46-164	7	20	
Xylene (Total)	ug/L	ND	150	150	152	150	101	100	29-145	1	20	
4-Bromofluorobenzene (S)	%.						100	104	85-111			
Dibromofluoromethane (S)	%.						101	103	89-116			
Toluene-d8 (S)	%.						96	96	87-110			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 465247 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50206626008, 50206626009, 50206626010, 50206626011, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626018, 50206626019, 50206626020, 50206626021, 50206626022

METHOD BLANK: 2147766 Matrix: Water
Associated Lab Samples: 50206626008, 50206626009, 50206626010, 50206626011, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626018, 50206626019, 50206626020, 50206626021, 50206626022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,1,1-Trichloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,1,2-Trichloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,1-Dichloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,1-Dichloroethene	ug/L	ND	5.0	10/07/18 14:01	
1,1-Dichloropropene	ug/L	ND	5.0	10/07/18 14:01	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
1,2,3-Trichloropropane	ug/L	ND	5.0	10/07/18 14:01	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	10/07/18 14:01	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	10/07/18 14:01	
1,2-Dichlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
1,2-Dichloroethane	ug/L	ND	5.0	10/07/18 14:01	
1,2-Dichloropropane	ug/L	ND	5.0	10/07/18 14:01	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	10/07/18 14:01	
1,3-Dichlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
1,3-Dichloropropane	ug/L	ND	5.0	10/07/18 14:01	
1,4-Dichlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
2,2-Dichloropropane	ug/L	ND	5.0	10/07/18 14:01	
2-Butanone (MEK)	ug/L	ND	25.0	10/07/18 14:01	
2-Chlorotoluene	ug/L	ND	5.0	10/07/18 14:01	
2-Hexanone	ug/L	ND	25.0	10/07/18 14:01	
4-Chlorotoluene	ug/L	ND	5.0	10/07/18 14:01	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	10/07/18 14:01	
Acetone	ug/L	ND	100	10/07/18 14:01	
Acrolein	ug/L	ND	50.0	10/07/18 14:01	
Acrylonitrile	ug/L	ND	100	10/07/18 14:01	
Benzene	ug/L	ND	5.0	10/07/18 14:01	
Bromobenzene	ug/L	ND	5.0	10/07/18 14:01	
Bromochloromethane	ug/L	ND	5.0	10/07/18 14:01	
Bromodichloromethane	ug/L	ND	5.0	10/07/18 14:01	
Bromoform	ug/L	ND	5.0	10/07/18 14:01	
Bromomethane	ug/L	ND	5.0	10/07/18 14:01	
Carbon disulfide	ug/L	ND	10.0	10/07/18 14:01	
Carbon tetrachloride	ug/L	ND	5.0	10/07/18 14:01	
Chlorobenzene	ug/L	ND	5.0	10/07/18 14:01	
Chloroethane	ug/L	ND	5.0	10/07/18 14:01	
Chloroform	ug/L	ND	5.0	10/07/18 14:01	
Chloromethane	ug/L	ND	5.0	10/07/18 14:01	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

METHOD BLANK: 2147766 Matrix: Water

Associated Lab Samples: 50206626008, 50206626009, 50206626010, 50206626011, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626018, 50206626019, 50206626020, 50206626021, 50206626022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	10/07/18 14:01	
cis-1,3-Dichloropropene	ug/L	ND	5.0	10/07/18 14:01	
Dibromochloromethane	ug/L	ND	5.0	10/07/18 14:01	
Dibromomethane	ug/L	ND	5.0	10/07/18 14:01	
Dichlorodifluoromethane	ug/L	ND	5.0	10/07/18 14:01	
Ethyl methacrylate	ug/L	ND	100	10/07/18 14:01	
Ethylbenzene	ug/L	ND	5.0	10/07/18 14:01	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	10/07/18 14:01	
Iodomethane	ug/L	ND	10.0	10/07/18 14:01	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	10/07/18 14:01	
Methyl-tert-butyl ether	ug/L	ND	4.0	10/07/18 14:01	
Methylene Chloride	ug/L	ND	5.0	10/07/18 14:01	
n-Butylbenzene	ug/L	ND	5.0	10/07/18 14:01	
n-Hexane	ug/L	ND	5.0	10/07/18 14:01	
n-Propylbenzene	ug/L	ND	5.0	10/07/18 14:01	
p-Isopropyltoluene	ug/L	ND	5.0	10/07/18 14:01	
sec-Butylbenzene	ug/L	ND	5.0	10/07/18 14:01	
Styrene	ug/L	ND	5.0	10/07/18 14:01	
tert-Butylbenzene	ug/L	ND	5.0	10/07/18 14:01	
Tetrachloroethene	ug/L	ND	5.0	10/07/18 14:01	
Toluene	ug/L	ND	5.0	10/07/18 14:01	
trans-1,2-Dichloroethene	ug/L	ND	5.0	10/07/18 14:01	
trans-1,3-Dichloropropene	ug/L	ND	5.0	10/07/18 14:01	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	10/07/18 14:01	
Trichloroethene	ug/L	ND	5.0	10/07/18 14:01	
Trichlorofluoromethane	ug/L	ND	5.0	10/07/18 14:01	
Vinyl acetate	ug/L	ND	50.0	10/07/18 14:01	
Vinyl chloride	ug/L	ND	2.0	10/07/18 14:01	
Xylene (Total)	ug/L	ND	10.0	10/07/18 14:01	
4-Bromofluorobenzene (S)	%.	103	85-111	10/07/18 14:01	
Dibromofluoromethane (S)	%.	101	89-116	10/07/18 14:01	
Toluene-d8 (S)	%.	96	87-110	10/07/18 14:01	

LABORATORY CONTROL SAMPLE: 2147767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.2	100	80-120	
1,1,1-Trichloroethane	ug/L	50	54.9	110	74-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	73-117	
1,1,2-Trichloroethane	ug/L	50	52.6	105	74-119	
1,1-Dichloroethane	ug/L	50	49.7	99	72-119	
1,1-Dichloroethene	ug/L	50	51.9	104	72-123	
1,1-Dichloropropene	ug/L	50	52.1	104	77-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2147767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	51.1	102	74-125	
1,2,3-Trichloropropane	ug/L	50	56.5	113	82-121	
1,2,4-Trichlorobenzene	ug/L	50	49.2	98	70-125	
1,2,4-Trimethylbenzene	ug/L	50	49.3	99	76-118	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	80-120	
1,2-Dichlorobenzene	ug/L	50	47.0	94	77-117	
1,2-Dichloroethane	ug/L	50	55.9	112	69-122	
1,2-Dichloropropane	ug/L	50	56.1	112	75-124	
1,3,5-Trimethylbenzene	ug/L	50	48.5	97	75-117	
1,3-Dichlorobenzene	ug/L	50	48.3	97	76-116	
1,3-Dichloropropane	ug/L	50	50.6	101	82-118	
1,4-Dichlorobenzene	ug/L	50	46.9	94	74-115	
2,2-Dichloropropane	ug/L	50	37.5	75	51-133	
2-Butanone (MEK)	ug/L	250	277	111	72-147	
2-Chlorotoluene	ug/L	50	49.8	100	73-113	
2-Hexanone	ug/L	250	245	98	71-132	
4-Chlorotoluene	ug/L	50	45.9	92	78-118	
4-Methyl-2-pentanone (MIBK)	ug/L	250	241	97	89-128	
Acetone	ug/L	250	287	115	46-170	
Acrolein	ug/L	1000	1100	110	13-200	
Acrylonitrile	ug/L	200	210	105	65-130	
Benzene	ug/L	50	48.0	96	78-117	
Bromobenzene	ug/L	50	50.5	101	66-126	
Bromochloromethane	ug/L	50	60.8	122	76-120	L1
Bromodichloromethane	ug/L	50	52.0	104	76-120	
Bromoform	ug/L	50	48.3	97	70-124	
Bromomethane	ug/L	50	39.1	78	29-181	
Carbon disulfide	ug/L	50	50.5	101	66-123	
Carbon tetrachloride	ug/L	50	55.2	110	73-132	
Chlorobenzene	ug/L	50	47.7	95	79-112	
Chloroethane	ug/L	50	54.4	109	59-156	
Chloroform	ug/L	50	50.4	101	76-118	
Chloromethane	ug/L	50	29.0	58	45-142	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	75-117	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	77-120	
Dibromochloromethane	ug/L	50	51.7	103	78-123	
Dibromomethane	ug/L	50	55.9	112	78-122	
Dichlorodifluoromethane	ug/L	50	58.4	117	41-168	
Ethyl methacrylate	ug/L	200	218	109	75-128	
Ethylbenzene	ug/L	50	49.0	98	80-118	
Hexachloro-1,3-butadiene	ug/L	50	48.0	96	73-125	
Iodomethane	ug/L	100	107	107	35-174	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	81-117	
Methyl-tert-butyl ether	ug/L	50	53.0	106	71-124	
Methylene Chloride	ug/L	50	54.5	109	59-136	
n-Butylbenzene	ug/L	50	48.9	98	72-118	
n-Hexane	ug/L	50	46.1	92	60-128	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2147767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	50	49.1	98	75-120	
p-Isopropyltoluene	ug/L	50	48.7	97	75-115	
sec-Butylbenzene	ug/L	50	49.3	99	76-120	
Styrene	ug/L	50	50.9	102	74-121	
tert-Butylbenzene	ug/L	50	43.1	86	55-109	
Tetrachloroethene	ug/L	50	46.8	94	76-116	
Toluene	ug/L	50	47.4	95	77-115	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	75-121	
trans-1,3-Dichloropropene	ug/L	50	48.2	96	77-121	
trans-1,4-Dichloro-2-butene	ug/L	200	167	84	42-128	
Trichloroethene	ug/L	50	46.7	93	76-120	
Trichlorofluoromethane	ug/L	50	50.5	101	81-141	
Vinyl acetate	ug/L	200	220	110	67-131	
Vinyl chloride	ug/L	50	51.2	102	64-155	
Xylene (Total)	ug/L	150	153	102	78-118	
4-Bromofluorobenzene (S)	%.			103	85-111	
Dibromofluoromethane (S)	%.			102	89-116	
Toluene-d8 (S)	%.			96	87-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147768 2147769

Parameter	Units	50206359016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	53.5	51.2	107	102	48-138	4	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	55.4	56.2	111	112	50-141	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.8	47.6	98	95	52-131	3	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	53.3	51.2	107	102	53-131	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	50.8	48.5	102	97	51-130	5	20	
1,1-Dichloroethene	ug/L	ND	50	50	53.7	52.1	107	104	51-138	3	20	
1,1-Dichloropropene	ug/L	ND	50	50	54.1	49.9	108	100	47-143	8	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	49.1	48.3	98	97	26-143	2	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	54.1	53.6	108	107	60-136	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	45.3	45.9	91	92	20-142	1	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	47.7	47.4	95	95	19-148	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.2	49.0	102	98	57-134	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.0	45.2	92	90	30-142	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	56.5	55.6	113	111	46-139	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	55.7	56.1	111	112	54-135	1	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	47.7	47.1	95	94	16-149	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	45.4	45.8	91	92	24-142	1	20	
1,3-Dichloropropane	ug/L	ND	50	50	50.0	50.0	100	100	59-134	0	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	45.1	44.6	90	89	24-140	1	20	
2,2-Dichloropropane	ug/L	ND	50	50	30.8	28.7	62	57	24-138	7	20	
2-Butanone (MEK)	ug/L	ND	250	250	293	282	117	113	49-156	4	20	
2-Chlorotoluene	ug/L	ND	50	50	48.3	48.6	97	97	21-143	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147768 2147769

Parameter	Units	50206359016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	ND	250	250	255	241	102	96	53-140	6	20	
4-Chlorotoluene	ug/L	ND	50	50	45.4	44.8	91	90	23-147	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	248	237	99	95	50-139	5	20	
Acetone	ug/L	71.6J	250	250	379	364	123	117	34-160	4	20	
Acrolein	ug/L	ND	1000	1000	727	695	73	70	30-178	4	20	
Acrylonitrile	ug/L	ND	200	200	205	195	102	97	54-136	5	20	
Benzene	ug/L	ND	50	50	50.5	49.5	101	99	50-135	2	20	
Bromobenzene	ug/L	ND	50	50	50.3	49.6	101	99	28-147	1	20	
Bromochloromethane	ug/L	ND	50	50	65.8	61.3	132	123	54-138	7	20	
Bromodichloromethane	ug/L	ND	50	50	53.7	50.2	107	100	50-135	7	20	
Bromoform	ug/L	ND	50	50	47.0	46.0	94	92	43-133	2	20	
Bromomethane	ug/L	ND	50	50	26.8	36.0	54	72	15-170	29	20	R1
Carbon disulfide	ug/L	ND	50	50	49.0	48.0	98	96	36-139	2	20	
Carbon tetrachloride	ug/L	ND	50	50	56.5	56.3	113	113	43-151	0	20	
Chlorobenzene	ug/L	ND	50	50	47.9	46.8	96	94	39-135	2	20	
Chloroethane	ug/L	ND	50	50	59.4	56.5	119	113	42-165	5	20	
Chloroform	ug/L	ND	50	50	53.3	51.5	107	103	52-134	3	20	
Chloromethane	ug/L	ND	50	50	26.0	27.1	52	54	33-146	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.7	53.1	107	106	48-133	1	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.2	44.2	92	88	46-131	5	20	
Dibromochloromethane	ug/L	ND	50	50	53.2	49.9	106	100	50-139	6	20	
Dibromomethane	ug/L	ND	50	50	57.4	54.6	115	109	55-137	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	57.8	57.5	116	115	29-178	0	20	
Ethyl methacrylate	ug/L	ND	200	200	219	204	109	102	58-136	7	20	
Ethylbenzene	ug/L	ND	50	50	49.7	48.1	99	96	31-147	3	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	44.4	45.1	89	90	10-158	1	20	
Iodomethane	ug/L	ND	100	100	78.1	103	78	103	17-173	28	20	R1
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50.5	49.0	101	98	25-151	3	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	53.7	50.8	107	102	51-142	6	20	
Methylene Chloride	ug/L	ND	50	50	51.8	48.3	104	97	41-142	7	20	
n-Butylbenzene	ug/L	ND	50	50	45.0	45.5	90	91	10-153	1	20	
n-Hexane	ug/L	ND	50	50	41.1	41.5	82	83	35-141	1	20	
n-Propylbenzene	ug/L	ND	50	50	46.5	48.4	93	97	16-153	4	20	
p-Isopropyltoluene	ug/L	ND	50	50	46.7	47.1	93	94	11-150	1	20	
sec-Butylbenzene	ug/L	ND	50	50	47.5	47.9	95	96	11-157	1	20	
Styrene	ug/L	ND	50	50	50.6	48.8	101	98	28-142	4	20	
tert-Butylbenzene	ug/L	ND	50	50	42.9	41.9	86	84	11-132	2	20	
Tetrachloroethene	ug/L	33.2	50	50	78.3	77.6	90	89	34-140	1	20	
Toluene	ug/L	ND	50	50	48.0	48.0	96	96	43-134	0	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.6	50.0	101	100	51-135	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	46.2	45.7	92	91	44-133	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	157	146	78	73	12-138	7	20	
Trichloroethene	ug/L	11.7	50	50	61.4	59.9	99	96	40-141	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	54.3	52.7	109	105	56-162	3	20	
Vinyl acetate	ug/L	ND	200	200	94.3	94.3	47	47	11-134	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2147768 2147769

Parameter	Units	50206359016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vinyl chloride	ug/L	ND	50	50	53.0	51.2	106	102	46-164	3	20	
Xylene (Total)	ug/L	ND	150	150	154	152	103	101	29-145	2	20	
4-Bromofluorobenzene (S)	%.						103	104	85-111			
Dibromofluoromethane (S)	%.						101	101	89-116			
Toluene-d8 (S)	%.						96	95	87-110			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464193 Analysis Method: EPA 8151
QC Batch Method: EPA 8151 Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50206626001, 50206626003, 50206626005, 50206626008, 50206626009, 50206626012, 50206626016, 50206626019, 50206626021

METHOD BLANK: 2142816 Matrix: Water
Associated Lab Samples: 50206626001, 50206626003, 50206626005, 50206626008, 50206626009, 50206626012, 50206626016, 50206626019, 50206626021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	1.0	10/08/18 17:18	
2,4-DCAA (S)	%.	88	37-147	10/08/18 17:18	

LABORATORY CONTROL SAMPLE: 2142817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	5	4.7	93	63-110	
2,4-DCAA (S)	%.			87	37-147	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464329 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH Low Volume
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626008, 50206626009, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626017, 50206626018, 50206626019

METHOD BLANK: 2143287 Matrix: Water
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626008, 50206626009, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626017, 50206626018, 50206626019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	10/03/18 13:16	N2
2-Methylnaphthalene	ug/L	ND	1.0	10/03/18 13:16	
Acenaphthene	ug/L	ND	1.0	10/03/18 13:16	
Acenaphthylene	ug/L	ND	1.0	10/03/18 13:16	
Anthracene	ug/L	ND	0.10	10/03/18 13:16	
Benzo(a)anthracene	ug/L	ND	0.10	10/03/18 13:16	
Benzo(a)pyrene	ug/L	ND	0.10	10/03/18 13:16	
Benzo(b)fluoranthene	ug/L	ND	0.10	10/03/18 13:16	
Benzo(g,h,i)perylene	ug/L	ND	0.10	10/03/18 13:16	
Benzo(k)fluoranthene	ug/L	ND	0.10	10/03/18 13:16	
Chrysene	ug/L	ND	0.50	10/03/18 13:16	
Dibenz(a,h)anthracene	ug/L	ND	0.10	10/03/18 13:16	
Fluoranthene	ug/L	ND	1.0	10/03/18 13:16	
Fluorene	ug/L	ND	1.0	10/03/18 13:16	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	10/03/18 13:16	
Naphthalene	ug/L	ND	1.0	10/03/18 13:16	
Phenanthrene	ug/L	ND	1.0	10/03/18 13:16	
Pyrene	ug/L	ND	1.0	10/03/18 13:16	
2-Fluorobiphenyl (S)	%.	46	10-108	10/03/18 13:16	
p-Terphenyl-d14 (S)	%.	86	10-167	10/03/18 13:16	

LABORATORY CONTROL SAMPLE: 2143288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	4.4	44	23-93	N2
2-Methylnaphthalene	ug/L	10	5.0	50	23-102	
Acenaphthene	ug/L	10	4.7	47	33-106	
Acenaphthylene	ug/L	10	5.3	53	35-119	
Anthracene	ug/L	10	6.1	61	28-124	
Benzo(a)anthracene	ug/L	10	7.2	72	58-140	
Benzo(a)pyrene	ug/L	10	6.7	67	53-118	
Benzo(b)fluoranthene	ug/L	10	6.9	69	55-133	
Benzo(g,h,i)perylene	ug/L	10	6.3	63	46-105	
Benzo(k)fluoranthene	ug/L	10	7.2	72	49-115	
Chrysene	ug/L	10	6.6	66	50-125	
Dibenz(a,h)anthracene	ug/L	10	6.9	69	48-112	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2143288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/L	10	6.4	64	53-128	
Fluorene	ug/L	10	5.4	54	39-123	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.8	68	49-109	
Naphthalene	ug/L	10	5.1	51	26-95	
Phenanthrene	ug/L	10	6.0	60	48-124	
Pyrene	ug/L	10	6.5	65	54-131	
2-Fluorobiphenyl (S)	%.			47	10-108	
p-Terphenyl-d14 (S)	%.			87	10-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2143289 2143290

Parameter	Units	50206626017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	92.7	12.2	10.6	91.6	86.5	-9	-58	10-99	6	20	M1,N2
2-Methylnaphthalene	ug/L	10.2	12.2	10.6	15.4	14.2	42	38	10-104	8	20	
Acenaphthene	ug/L	70.1	12.2	10.6	71.8	67.5	14	-24	10-131	6	20	M1
Acenaphthylene	ug/L	ND	12.2	10.6	6.7	5.9	50	50	10-123	12	20	
Anthracene	ug/L	0.33	12.2	10.6	7.2	6.8	56	61	10-147	5	20	
Benzo(a)anthracene	ug/L	ND	12.2	10.6	8.6	8.2	71	77	12-140	5	20	
Benzo(a)pyrene	ug/L	ND	12.2	10.6	7.1	7.0	58	66	10-111	2	20	
Benzo(b)fluoranthene	ug/L	ND	12.2	10.6	7.4	7.1	61	67	10-118	4	20	
Benzo(g,h,i)perylene	ug/L	ND	12.2	10.6	6.1	5.8	50	55	10-91	4	20	
Benzo(k)fluoranthene	ug/L	ND	12.2	10.6	7.0	6.9	58	65	10-110	2	20	
Chrysene	ug/L	ND	12.2	10.6	6.5	6.3	53	59	14-119	3	20	
Dibenz(a,h)anthracene	ug/L	ND	12.2	10.6	6.5	6.3	53	59	10-96	2	20	
Fluoranthene	ug/L	ND	12.2	10.6	7.8	7.1	62	65	15-136	9	20	
Fluorene	ug/L	20.7	12.2	10.6	25.8	24.5	41	36	11-123	5	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	12.2	10.6	6.5	6.2	53	59	10-95	3	20	
Naphthalene	ug/L	1.9	12.2	10.6	7.6	6.7	47	46	10-97	12	20	
Phenanthrene	ug/L	ND	12.2	10.6	7.4	6.7	57	59	11-128	10	20	
Pyrene	ug/L	ND	12.2	10.6	7.5	7.1	61	66	17-137	6	20	
2-Fluorobiphenyl (S)	%.						38	31	10-108			
p-Terphenyl-d14 (S)	%.						71	62	10-167			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
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(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464387
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH Low Volume
Associated Lab Samples: 50206626020, 50206626021

METHOD BLANK: 2143484 Matrix: Water
Associated Lab Samples: 50206626020, 50206626021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	1.0	10/03/18 16:14	N2
2-Methylnaphthalene	ug/L	ND	1.0	10/03/18 16:14	
Acenaphthene	ug/L	ND	1.0	10/03/18 16:14	
Acenaphthylene	ug/L	ND	1.0	10/03/18 16:14	
Anthracene	ug/L	ND	0.10	10/03/18 16:14	
Benzo(a)anthracene	ug/L	ND	0.10	10/03/18 16:14	
Benzo(a)pyrene	ug/L	ND	0.10	10/03/18 16:14	
Benzo(b)fluoranthene	ug/L	ND	0.10	10/03/18 16:14	
Benzo(g,h,i)perylene	ug/L	ND	0.10	10/03/18 16:14	
Benzo(k)fluoranthene	ug/L	ND	0.10	10/03/18 16:14	
Chrysene	ug/L	ND	0.50	10/03/18 16:14	
Dibenz(a,h)anthracene	ug/L	ND	0.10	10/03/18 16:14	
Fluoranthene	ug/L	ND	1.0	10/03/18 16:14	
Fluorene	ug/L	ND	1.0	10/03/18 16:14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	10/03/18 16:14	
Naphthalene	ug/L	ND	1.0	10/03/18 16:14	
Phenanthrene	ug/L	ND	1.0	10/03/18 16:14	
Pyrene	ug/L	ND	1.0	10/03/18 16:14	
2-Fluorobiphenyl (S)	%.	43	10-108	10/03/18 16:14	
p-Terphenyl-d14 (S)	%.	60	10-167	10/03/18 16:14	

LABORATORY CONTROL SAMPLE: 2143485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	10	5.0	50	23-93	N2
2-Methylnaphthalene	ug/L	10	5.0	50	23-102	
Acenaphthene	ug/L	10	5.3	53	33-106	
Acenaphthylene	ug/L	10	6.7	67	35-119	
Anthracene	ug/L	10	6.4	64	28-124	
Benzo(a)anthracene	ug/L	10	6.3	63	58-140	
Benzo(a)pyrene	ug/L	10	5.8	58	53-118	
Benzo(b)fluoranthene	ug/L	10	6.4	64	55-133	
Benzo(g,h,i)perylene	ug/L	10	5.9	59	46-105	
Benzo(k)fluoranthene	ug/L	10	6.8	68	49-115	
Chrysene	ug/L	10	6.2	62	50-125	
Dibenz(a,h)anthracene	ug/L	10	6.2	62	48-112	
Fluoranthene	ug/L	10	6.2	62	53-128	
Fluorene	ug/L	10	5.8	58	39-123	
Indeno(1,2,3-cd)pyrene	ug/L	10	6.1	61	49-109	
Naphthalene	ug/L	10	5.1	51	26-95	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

LABORATORY CONTROL SAMPLE: 2143485

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	10	6.1	61	48-124	
Pyrene	ug/L	10	6.7	67	54-131	
2-Fluorobiphenyl (S)	%.			47	10-108	
p-Terphenyl-d14 (S)	%.			67	10-167	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464327 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water Scan LV
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626008, 50206626009, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626017, 50206626018, 50206626019

METHOD BLANK: 2143283 Matrix: Water
Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626008, 50206626009, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626017, 50206626018, 50206626019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	10/04/18 16:15	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/04/18 16:15	
2,4-Dichlorophenol	ug/L	ND	10.0	10/04/18 16:15	
2,4-Dimethylphenol	ug/L	ND	10.0	10/04/18 16:15	
2,4-Dinitrophenol	ug/L	ND	50.0	10/04/18 16:15	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/04/18 16:15	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/04/18 16:15	
2-Chloronaphthalene	ug/L	ND	10.0	10/04/18 16:15	
2-Chlorophenol	ug/L	ND	10.0	10/04/18 16:15	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/04/18 16:15	
2-Nitroaniline	ug/L	ND	10.0	10/04/18 16:15	
2-Nitrophenol	ug/L	ND	10.0	10/04/18 16:15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/04/18 16:15	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	10/04/18 16:15	
3-Nitroaniline	ug/L	ND	10.0	10/04/18 16:15	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	10/04/18 16:15	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/04/18 16:15	
4-Chloro-3-methylphenol	ug/L	ND	10.0	10/04/18 16:15	
4-Chloroaniline	ug/L	ND	10.0	10/04/18 16:15	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/04/18 16:15	
4-Nitroaniline	ug/L	ND	10.0	10/04/18 16:15	
4-Nitrophenol	ug/L	ND	50.0	10/04/18 16:15	
Benzyl alcohol	ug/L	ND	10.0	10/04/18 16:15	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/04/18 16:15	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/04/18 16:15	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	10/04/18 16:15	
bis(2chloro1methylethyl) ether	ug/L	ND	10.0	10/04/18 16:15	
Butylbenzylphthalate	ug/L	ND	10.0	10/04/18 16:15	
Di-n-butylphthalate	ug/L	ND	10.0	10/04/18 16:15	
Di-n-octylphthalate	ug/L	ND	10.0	10/04/18 16:15	
Dibenzofuran	ug/L	ND	10.0	10/04/18 16:15	
Diethylphthalate	ug/L	ND	10.0	10/04/18 16:15	
Dimethylphthalate	ug/L	ND	10.0	10/04/18 16:15	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/04/18 16:15	
Hexachlorobenzene	ug/L	ND	10.0	10/04/18 16:15	
Hexachlorocyclopentadiene	ug/L	ND	10.0	10/04/18 16:15	
Hexachloroethane	ug/L	ND	10.0	10/04/18 16:15	
Isophorone	ug/L	ND	10.0	10/04/18 16:15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

METHOD BLANK: 2143283 Matrix: Water

Associated Lab Samples: 50206626001, 50206626002, 50206626003, 50206626004, 50206626005, 50206626006, 50206626007, 50206626008, 50206626009, 50206626012, 50206626013, 50206626014, 50206626015, 50206626016, 50206626017, 50206626018, 50206626019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	10/04/18 16:15	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/04/18 16:15	
Nitrobenzene	ug/L	ND	10.0	10/04/18 16:15	
Pentachlorophenol	ug/L	ND	50.0	10/04/18 16:15	
Phenol	ug/L	ND	10.0	10/04/18 16:15	
2,4,6-Tribromophenol (S)	%.	53	23-126	10/04/18 16:15	
2-Fluorophenol (S)	%.	35	10-78	10/04/18 16:15	
Nitrobenzene-d5 (S)	%.	52	22-108	10/04/18 16:15	
Phenol-d5 (S)	%.	24	10-61	10/04/18 16:15	

LABORATORY CONTROL SAMPLE: 2143284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	44.6	45	35-144	
2-Chlorophenol	ug/L	100	53.0	53	21-109	
4-Chloro-3-methylphenol	ug/L	100	55.9	56	27-134	
4-Nitrophenol	ug/L	100	19.6J	20	10-92	
N-Nitroso-di-n-propylamine	ug/L	100	60.6	61	31-121	
Pentachlorophenol	ug/L	100	63.4	63	24-144	
Phenol	ug/L	100	26.2	26	10-68	
2,4,6-Tribromophenol (S)	%.			60	23-126	
2-Fluorophenol (S)	%.			32	10-78	
Nitrobenzene-d5 (S)	%.			49	22-108	
Phenol-d5 (S)	%.			25	10-61	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2143285 2143286

Parameter	Units	50206626017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/L	ND	122	106	57.5	50.4	47	47	36-130	13	20	
2-Chlorophenol	ug/L	ND	122	106	69.0	56.5	57	53	22-95	20	20	
4-Chloro-3-methylphenol	ug/L	ND	122	106	76.4	64.2	63	60	29-118	17	20	
4-Nitrophenol	ug/L	ND	122	106	26.6J	26.7J	22	25	10-80		20	
N-Nitroso-di-n-propylamine	ug/L	ND	122	106	72.3	60.6	59	57	32-110	18	20	
Pentachlorophenol	ug/L	ND	122	106	86.1	76.2	71	72	23-137	12	20	
Phenol	ug/L	ND	122	106	32.2	24.8	26	23	10-63	26	20	R1
2,4,6-Tribromophenol (S)	%.						56	44	23-126			
2-Fluorophenol (S)	%.						32	24	10-78			
Nitrobenzene-d5 (S)	%.						47	37	22-108			
Phenol-d5 (S)	%.						25	18	10-61			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

QC Batch: 464386 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water Scan LV
Associated Lab Samples: 50206626020, 50206626021

METHOD BLANK: 2143482 Matrix: Water
Associated Lab Samples: 50206626020, 50206626021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	10/03/18 20:07	
2,4,6-Trichlorophenol	ug/L	ND	10.0	10/03/18 20:07	
2,4-Dichlorophenol	ug/L	ND	10.0	10/03/18 20:07	
2,4-Dimethylphenol	ug/L	ND	10.0	10/03/18 20:07	
2,4-Dinitrophenol	ug/L	ND	50.0	10/03/18 20:07	
2,4-Dinitrotoluene	ug/L	ND	10.0	10/03/18 20:07	
2,6-Dinitrotoluene	ug/L	ND	10.0	10/03/18 20:07	
2-Chloronaphthalene	ug/L	ND	10.0	10/03/18 20:07	
2-Chlorophenol	ug/L	ND	10.0	10/03/18 20:07	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	10/03/18 20:07	
2-Nitroaniline	ug/L	ND	10.0	10/03/18 20:07	
2-Nitrophenol	ug/L	ND	10.0	10/03/18 20:07	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	10/03/18 20:07	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	10/03/18 20:07	
3-Nitroaniline	ug/L	ND	10.0	10/03/18 20:07	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	10/03/18 20:07	
4-Bromophenylphenyl ether	ug/L	ND	10.0	10/03/18 20:07	
4-Chloro-3-methylphenol	ug/L	ND	10.0	10/03/18 20:07	
4-Chloroaniline	ug/L	ND	10.0	10/03/18 20:07	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	10/03/18 20:07	
4-Nitroaniline	ug/L	ND	10.0	10/03/18 20:07	
4-Nitrophenol	ug/L	ND	50.0	10/03/18 20:07	
Benzyl alcohol	ug/L	ND	10.0	10/03/18 20:07	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	10/03/18 20:07	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	10/03/18 20:07	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	10/03/18 20:07	
bis(2chloro1methylethyl) ether	ug/L	ND	10.0	10/03/18 20:07	
Butylbenzylphthalate	ug/L	ND	10.0	10/03/18 20:07	
Di-n-butylphthalate	ug/L	ND	10.0	10/03/18 20:07	
Di-n-octylphthalate	ug/L	ND	10.0	10/03/18 20:07	
Dibenzofuran	ug/L	ND	10.0	10/03/18 20:07	
Diethylphthalate	ug/L	ND	10.0	10/03/18 20:07	
Dimethylphthalate	ug/L	ND	10.0	10/03/18 20:07	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	10/03/18 20:07	
Hexachlorobenzene	ug/L	ND	10.0	10/03/18 20:07	
Hexachlorocyclopentadiene	ug/L	ND	10.0	10/03/18 20:07	
Hexachloroethane	ug/L	ND	10.0	10/03/18 20:07	
Isophorone	ug/L	ND	10.0	10/03/18 20:07	
N-Nitroso-di-n-propylamine	ug/L	ND	50.0	10/03/18 20:07	
N-Nitrosodiphenylamine	ug/L	ND	10.0	10/03/18 20:07	
Nitrobenzene	ug/L	ND	10.0	10/03/18 20:07	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

METHOD BLANK: 2143482 Matrix: Water
Associated Lab Samples: 50206626020, 50206626021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	50.0	10/03/18 20:07	
Phenol	ug/L	ND	10.0	10/03/18 20:07	
2,4,6-Tribromophenol (S)	%.	51	23-126	10/03/18 20:07	
2-Fluorophenol (S)	%.	31	10-78	10/03/18 20:07	
Nitrobenzene-d5 (S)	%.	53	22-108	10/03/18 20:07	
Phenol-d5 (S)	%.	22	10-61	10/03/18 20:07	

LABORATORY CONTROL SAMPLE: 2143483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	50.7	51	35-144	
2-Chlorophenol	ug/L	100	54.5	55	21-109	
4-Chloro-3-methylphenol	ug/L	100	60.8	61	27-134	
4-Nitrophenol	ug/L	100	21J	21	10-92	
N-Nitroso-di-n-propylamine	ug/L	100	62.3	62	31-121	
Pentachlorophenol	ug/L	100	69.1	69	24-144	
Phenol	ug/L	100	22.6	23	10-68	
2,4,6-Tribromophenol (S)	%.			66	23-126	
2-Fluorophenol (S)	%.			33	10-78	
Nitrobenzene-d5 (S)	%.			54	22-108	
Phenol-d5 (S)	%.			23	10-61	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

BATCH QUALIFIERS

Batch: 464193

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 464386

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 464387

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50206626001	**MW-6-20180926**	EPA 8151	464193	EPA 8151	464372
50206626003	**MW-14D-20180926**	EPA 8151	464193	EPA 8151	464372
50206626005	**MW-20D-20180926**	EPA 8151	464193	EPA 8151	464372
50206626008	**MW-21D-20180927**	EPA 8151	464193	EPA 8151	464372
50206626009	**EB-1-20180927**	EPA 8151	464193	EPA 8151	464372
50206626012	**MW-4-20180926**	EPA 8151	464193	EPA 8151	464372
50206626016	**MW-17-20180926**	EPA 8151	464193	EPA 8151	464372
50206626019	**MW-26D-20180927**	EPA 8151	464193	EPA 8151	464372
50206626021	**MW-DUP-1-20180927**	EPA 8151	464193	EPA 8151	464372
50206626001	**MW-6-20180926**	EPA 3010	464085	EPA 6010	464767
50206626006	**MW-28D-20180926**	EPA 3010	464085	EPA 6010	464767
50206626001	**MW-6-20180926**	EPA 3010	464566	EPA 6010	464769
50206626006	**MW-28D-20180926**	EPA 3010	464566	EPA 6010	464769
50206626001	**MW-6-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626002	**MW-10-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626003	**MW-14D-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626004	**MW-20-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626005	**MW-20D-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626006	**MW-28D-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626007	**MW-22-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626008	**MW-21D-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626009	**EB-1-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626012	**MW-4-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626013	**MW-7DD-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626014	**MW-9-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626015	**MW-11-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626016	**MW-17-20180926**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626017	**MW-18-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626018	**MW-18D-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626019	**MW-26D-20180927**	EPA 3510	464329	EPA 8270 by SIM	464614
50206626020	**MW-27D-20180927**	EPA 3510	464387	EPA 8270 by SIM	464616
50206626021	**MW-DUP-1-20180927**	EPA 3510	464387	EPA 8270 by SIM	464616
50206626001	**MW-6-20180926**	EPA 3510	464327	EPA 8270	464613
50206626002	**MW-10-20180926**	EPA 3510	464327	EPA 8270	464613
50206626003	**MW-14D-20180926**	EPA 3510	464327	EPA 8270	464613
50206626004	**MW-20-20180926**	EPA 3510	464327	EPA 8270	464613
50206626005	**MW-20D-20180926**	EPA 3510	464327	EPA 8270	464613
50206626006	**MW-28D-20180926**	EPA 3510	464327	EPA 8270	464613
50206626007	**MW-22-20180927**	EPA 3510	464327	EPA 8270	464613
50206626008	**MW-21D-20180927**	EPA 3510	464327	EPA 8270	464613
50206626009	**EB-1-20180927**	EPA 3510	464327	EPA 8270	464613
50206626012	**MW-4-20180926**	EPA 3510	464327	EPA 8270	464613
50206626013	**MW-7DD-20180926**	EPA 3510	464327	EPA 8270	464613
50206626014	**MW-9-20180926**	EPA 3510	464327	EPA 8270	464613
50206626015	**MW-11-20180926**	EPA 3510	464327	EPA 8270	464613
50206626016	**MW-17-20180926**	EPA 3510	464327	EPA 8270	464613

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Columbus Wood Treating
Pace Project No.: 50206626

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50206626017	**MW-18-20180927**	EPA 3510	464327	EPA 8270	464613
50206626018	**MW-18D-20180927**	EPA 3510	464327	EPA 8270	464613
50206626019	**MW-26D-20180927**	EPA 3510	464327	EPA 8270	464613
50206626020	**MW-27D-20180927**	EPA 3510	464386	EPA 8270	464617
50206626021	**MW-DUP-1-20180927**	EPA 3510	464386	EPA 8270	464617
50206626001	**MW-6-20180926**	EPA 8260	465246		
50206626002	**MW-10-20180926**	EPA 8260	465246		
50206626003	**MW-14D-20180926**	EPA 8260	465246		
50206626004	**MW-20-20180926**	EPA 8260	465246		
50206626005	**MW-20D-20180926**	EPA 8260	465246		
50206626006	**MW-28D-20180926**	EPA 8260	465246		
50206626007	**MW-22-20180927**	EPA 8260	465246		
50206626008	**MW-21D-20180927**	EPA 8260	465247		
50206626009	**EB-1-20180927**	EPA 8260	465247		
50206626010	**TB-1-20180926**	EPA 8260	465247		
50206626011	**TB-2-20180927**	EPA 8260	465247		
50206626012	**MW-4-20180926**	EPA 8260	465247		
50206626013	**MW-7DD-20180926**	EPA 8260	465247		
50206626014	**MW-9-20180926**	EPA 8260	465247		
50206626015	**MW-11-20180926**	EPA 8260	465247		
50206626016	**MW-17-20180926**	EPA 8260	465247		
50206626017	**MW-18-20180927**	EPA 8260	465246		
50206626018	**MW-18D-20180927**	EPA 8260	465247		
50206626019	**MW-26D-20180927**	EPA 8260	465247		
50206626020	**MW-27D-20180927**	EPA 8260	465247		
50206626021	**MW-DUP-1-20180927**	EPA 8260	465247		
50206626022	**TB-3-20180927**	EPA 8260	465247		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	August Mack Environmental	Report To:	Pilar Cuadra	Attention:	Pilar Cuadra
Address:	1302 N. Meridian Street	Copy To:	Andy Tennyson	Company Name:	August Mack Environmental
	Indianapolis, IN 46202			Address:	1302 N. Meridian Street Indianapolis
Email To:	pcuadra@augustmack.com	Purchase Order No.:		Pace Quote Reference:	
Phone: (317) 916-8000	Fax: (317) 916-8001	Project Name:	Former Columbus Wood Treating	Pace Project Manager:	Kelly Jones
Requested Due Date/TAT:	Standard	Project Number:	JS0449.350	Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER Brownfields

Site Location STATE: IN

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	VOCs via 8260	SVOCs/PAHs 8270C/8270 SIM	Total Arsenic via 6010	Dissolved Arsenic 6010	Hexavalent Chromium via 7199	Herbicides via 8151	MS/MSD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 50256626
1	MW-6-20180926	WT	G			9/26/18	945		8	X		X	X					N	N	N	N	N	N				001
2	MW-10-20180926	WT	G			9/26/18	1120		5	X			X					N	N				N				002
3	MW-14D-20180926	WT	G			9/26/18	1300		6	X			X					N	N				N				003
4	MW-20-20180926	WT	G			9/26/18	1415		5	X			X					N	N								004
5	MW-20D-20180926	WT	G			9/26/18	1530		6	X			X					N	N				N				005
6	MW-28D-20180926	WT	G			9/26/18	1640		7	X		X	X					N	N	N	N						006
7	MW-22-20180927	WT	G			9/27/18	1005		5	X			X					N	N								007
8	MW-21D-20180927	WT	G			9/27/18	1115		6	X			X					N	N				N				008
~~9~~	~~MW-21-20180927B~~	~~WT~~	~~G~~			~~9/27/18~~	~~1215~~		~~1~~									N									~~009~~
10	EB-1-20180927	WT	G			9/27/18	1305		6	X			X					N	N				N				009
11	TB-1-20180926	WT	G			9/26/18	-		3				X					N									010
12	TB-2-20180927	WT	G			9/27/18	-		3				X					N									011

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Scott Kalenka/AME	9-28-18	935		9/28/18	0935	2.5	Y	N	Y
J-flag PCP for 8270							1.4			
Herbicides via 8151 includes pentachlorophenol only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Johnson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/27/18

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	August Mack Environmental	Report To:	Pilar Cuadra	Attention:	Pilar Cuadra
Address:	1302 N. Meridian Street	Copy To:	Andy Tennyson	Company Name:	August Mack Environmental
	Indianapolis, IN 46202			Address:	1302 N. Meridian Street Indianapolis
Email To:	pcuadra@augustmack.com	Purchase Order No.:		Pace Quote Reference:	
Phone: (317) 916-8000	Fax: (317) 916-8001	Project Name:	Former Columbus Wood Treating	Pace Project Manager:	Kelly Jones
Requested Due Date/TAT:	Standard	Project Number:	JS0449.350	Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER Brownfields

Site Location STATE: IN

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	VOCs via 8260	SVOCs/PAHs 8270C/8270 SIM	Total Arsenic via 6010	Dissolved Arsenic 6010	Hexavalent Chromium via 7199	Herbicides via 8151	MS/MSD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																			N	N	N	N	N	N			50266026
1	MW-4-20180926	WT				9/26/18	1025		6	X			X						X	X				X			012
2	MW-7DD-20180926	WT				9/26/18	1235		5	X			X						X	X							013
3	MW-9-20180926	WT				9/26/18	1495		5	X			X						X	X							014
4	MW-11-20180926	WT				9/26/18	1555		5	X			X						X	X							015
5	MW-17-20180926	WT				9/26/18	1730		6	X			X						X	X				X			016
6	MW-18-20180927	WT				9/27/18	0955		5	X			X						X	X					X		017
7	MW-16D-20180927	WT				9/27/18	1225		5	X			X						X	X							018
8	MW-26D-20180927	WT				9/27/18	1450		6	X			X						X	X				X			019
9	MW-27D-20180927	WT				9/27/18	1705		5	X			X						X	X							020
10	MW-Dup-1-20180927	WT				9/27/18	-		6	X			X						X	X				X			021
11	TB-3-20180927	WT		-		9/27/18	-																				022
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Scott Kalemba/AMT	9-28-18	0955		9/28/18	0955	2.5	Y	N	Y
J-flag PCP for 8270							1.4			
Herbicides via 8151 includes pentachlorophenol only										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Johnson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 9/27/18

Pace Analytical

SAMPLE CONDITION UPON RECEIPT FORM

Project #: 50266624

Date/Time and Initials of person examining contents: 09/28/18 gk 1230

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F Ice Type: ☑ Wet ☐ Blue ☐ None | Samples collected today and on ice: ☐ Yes ☐ No ☑ N/A

Cooler Temperature: 2.6/2.5 1.5/1.4 Ice Visible in Sample Containers?: ☐ Yes ☑ No ☐ N/A

(Initial/Corrected) Temp should be above freezing to 6°C If temp. is Over 6°C or under 0°C, was the PM Notified?: ☐ Yes ☐ No ☑ N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		X	All containers needing acid/base pres. Have been checked?: **exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted. Circle: HNO3 H2SO4 NaOH NaOH/ZnAc	X		
USDA Regulated Soils? (ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X				
Chain of Custody Present:	X					
Chain of Custody Filled Out:	X		Dissolved Metals field filtered?:	X		
Short Hold Time Analysis (<72hr)?: Analysis:		X	Headspace Wisconsin Sulfide			X
Time 5035A TC placed in Freezer or Short Holds To Lab:				Present	Absent	N/A
			Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Rush TAT Requested:		X	Headspace in VOA Vials (>6mm):		X	
Containers Intact?:	X		Trip Blank Present?:	X		
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:	X		

Comments: Sample MW-17-20180926 VOA cracked lid 1/3.

Sample Container Count

CLIENT: August Mack

COC PAGE 1 of 2

COC ID# _____ Project # _____

Sample Line Item	DG9H	VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	SBS Bulk Kit R	Matrix SI/Wt/NAL (Soil/Water/Non-Aqueous Liquid)	pH <2	pH >9	pH>12
1	3		2		1										2				WT	✓		
2	3		2																WT			
3	3		2		1														WT			
4	3		2																WT			
5	3		2		1														WT			
6	3		2		~~1~~										2				WT	✓		
7	3		2																WT			
8	3		2		1														WT			
9																			~~WT~~			
10	3		2		1														WT			
11	3																		WT			
12	3																		WT			

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
		BG3U	250mL Unpreserved Clear Glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic
BP1N	1 liter HNO3 plastic
BP1S	1 liter H2SO4 plastic
BP1U	1 liter unpreserved plastic
BP1Z	1 liter NaOH, Zn, Ac
BP2A	500mL NaOH, Asc Acid plastic
BP2N	500mL HNO3 plastic
BP2O	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP3U	250mL unpreserved plastic
BP3Z	250mL NaOH, Zn Ac plastic

AF	Air Filter
C	Air Cassettes
R	Terra core kit
SP5T	120mL Coliform Na Thiosulfate
U	Summa Can
ZPLC	Ziploc Bag

Sample Container Count

WO# : 50206626

50206626

CLIENT: August Mack

COC PAGE 2 of 2

COC ID# _____

Project # 50206626

Sample Line Item	DG9H	VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	R	Matrix SI/V (Soil/Water Aqueous Li	pH <2	pH >9	pH>12
1	3		2		1														WT			
2	3		2																			
3	3		2																			
4	3		2																			
5	2		2		1																	
6	9		6																			
7	3		2																			
8	3		2		1																	
9	3		2																			
10	3		2		1																	
11	3																		WT			
12																						

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
		BG3U	250mL Unpreserved Clear Glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic
BP1N	1 liter HNO3 plastic
BP1S	1 liter H2SO4 plastic
BP1U	1 liter unpreserved plastic
BP1Z	1 liter NaOH, Zn, Ac
BP2A	500mL NaOH, Asc Acid plastic
BP2N	500mL HNO3 plastic
BP2O	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3S	250mL H2SO4 plastic
BP3U	250mL unpreserved plastic
BP3Z	250mL NaOH, Zn Ac plastic

AF	Air Filter
C	Air Cassettes
R	Terra core kit
SP5T	120mL Coliform Na Thiosulfate
U	Summa Can
ZPLC	Ziploc Bag

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

October 09, 2018

Pilar Cuadra
August Mack Environmental Consultants
1302 N. Meridian St.
Indianapolis, IN 46202

RE: Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Dear Pilar Cuadra:
Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kelly M Jones

Kelly Jones
kelly.jones@pacelabs.com
(317)228-3100
Project Manager

Enclosures

cc: Zack Ramey, August Mack Environmental
Andy Tennyson, August Mack Environmental Consultants

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #:E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #:98019
Ohio VAP Certification #: CL-0065
Oklahoma Certification #: 2017-124
Texas Certification #: T104704355-18-12
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50206627001	**WC-1-WI-3Q18-0-3**	Water	09/27/18 15:55	09/28/18 09:55

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50206627001	**WC-1-WI-3Q18-0-3**	EPA 8151	NPW	2	PASI-I

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Sample: WC-1-WI-3Q18-0-3 **Lab ID: 50206627001** Collected: 09/27/18 15:55 Received: 09/28/18 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8151A Cl Acid Herbicide Waters	Analytical Method: EPA 8151 Preparation Method: EPA 8151							
Pentachlorophenol	ND	ug/L	1.1	1	10/01/18 10:12	10/09/18 11:32	87-86-5	
Surrogates								
2,4-DCAA (S)	53	%.	37-147	1	10/01/18 10:12	10/09/18 11:32	19719-28-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

QC Batch: 464193
QC Batch Method: EPA 8151
Analysis Method: EPA 8151
Analysis Description: 8151A GCS Herbicides
Associated Lab Samples: 50206627001

METHOD BLANK: 2142816
Matrix: Water
Associated Lab Samples: 50206627001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/L	ND	1.0	10/08/18 17:18	
2,4-DCAA (S)	%.	88	37-147	10/08/18 17:18	

LABORATORY CONTROL SAMPLE: 2142817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pentachlorophenol	ug/L	5	4.7	93	63-110	
2,4-DCAA (S)	%.			87	37-147	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

BATCH QUALIFIERS

Batch: 464193

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Former Columbus Wood Treating
Pace Project No.: 50206627

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50206627001	**WC-1-WI-3Q18-0-3**	EPA 8151	464193	EPA 8151	464372

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	August Mack Environmental	Report To:	Pilar Cuadra	Attention:	Pilar Cuadra
Address:	1302 N. Meridian Street	Copy To:	Andy Tennyson	Company Name:	August Mack Environmental
	Indianapolis, IN 46202			Address:	1302 N. Meridian Street Indianapolis
Email To:	pcuadra@augustmack.com	Purchase Order No.:		Pace Quote Reference:	
Phone: (317) 916-8000	Fax: (317) 916-8001	Project Name:	Former Columbus Wood Treating	Pace Project Manager:	Kelly Jones
Requested Due Date/TAT:	Standard	Project Number:	JS0449.350	Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER Brownfields

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs via 8260	SVOCs/PAHs 8270C/8270 SIM	Total Arsenic via 6010	Dissolved Arsenic 6010	Hexavalent Chromium via 7199	Herbicides via 8151	MS/MSD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																		Requested Analysis Filtered (Y/N)	N	N	N	N	N	N			50206627
1	WC-1-W1-3Q18-D-3	WT	G			9/27/18			1	X									X					X			001
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Scott Kalemba/AME	9-28-18	955		9/28/18	0955
J-flag PCP for 8270						
Herbicides via 8151 includes pentachlorophenol only						

SAMPLE CONDITIONS			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.5 / 1.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ryan Johnson

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 9/27/18

SAMPLE CONDITION UPON RECEIPT FORM

Pace Analytical

Project #: 50206627

Date/Time and Initials of person examining contents: 09/28/18 gvc 1225

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer: 1 2 3 4 5 6 A B C D E F Ice Type: ☑ Wet ☐ Blue ☐ None | Samples collected today and on ice: ☐ Yes ☐ No ☑ N/A

Cooler Temperature: 26/2.5 1.8/1.4 Ice Visible in Sample Containers?: ☐ Yes ☑ No ☐ N/A

(Initial/Corrected) Temp should be above freezing to 6°C If temp. is Over 6°C or under 0°C, was the PM Notified?: ☐ Yes ☐ No ☑ N/A

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
Are samples from West Virginia? Document any containers out of temp.		X	All containers needing acid/base pres. Have been checked?: **exceptions: VOA, coliform, LLHg, O&G, and any container with a septum cap or preserved with HCl.** All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted. Circle: HNO3 H2SO4 NaOH NaOH/ZnAc			X
USDA Regulated Soils? (ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X				
Chain of Custody Present:	X		Dissolved Metals field filtered?:			X
Chain of Custody Filled Out:	X		Headspace Wisconsin Sulfide			X
Short Hold Time Analysis (<72hr)?: Analysis:		X		Present	Absent	N/A
Time 5035A TC placed in Freezer or Short Holds To Lab:			Residual Chlorine Check (SVOC 625 Pest/PCB 608)		X	~~X~~
			Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Rush TAT Requested:		X	Headspace in VOA Vials (>6mm):			X
Containers Intact?:	X		Trip Blank Present?:			
Sample Labels Match COC?: Except TCs, which only require sample ID	X		Trip Blank Custody Seals?:			

Comments:

Sample Container Count

WO# : 50206627

CLIENT: August Mack

COC PAGE 1 of 1

COC ID# _____

Project # 50206627

Sample Line Item	DG9H	VG9H	AG0U	AG1H	AG1U	AG2U	AG3S	WGFU	SP5T	BP1U	BP2N	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	Bu Kit R	Matrix (Soil/W Aqueo	pH <2	pH >9	pH>12
1					1														WT			
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Container Codes

Glass

DG9B	40mL Na Bisulfate amber vial	AG0U	100mL unpreserved amber glass
DG9H	40mL HCL amber voa vial	AG1H	1 liter HCL amber glass
DG9M	40mL MeOH clear vial	AG1S	1 liter H2SO4 amber glass
DG9P	40mL TSP amber vial	AG1T	1 liter Na Thiosulfate amber glass
DG9S	40mL H2SO4 amber vial	AG1U	1liter unpreserved amber glass
DG9T	40mL Na Thio amber vial	AG2N	500mL HNO3 amber glass
DG9U	40mL unpreserved **amber** vial	AG2S	500mL H2SO4 amber glass
VG9H	40mL HCL clear vial	AG2U	500mL unpreserved amber glass
VG9T	40mL Na Thio. clear vial	AG3S	250mL H2SO4 glass amber
VG9U	40mL unpreserved **clear** vial	AG3U	250mL unpreserved amber glass
VGFX	40mL w/hexane wipe vial	BG1H	1 liter HCL clear glass
VSG	Headspace septa vial & HCL	BG1S	1 liter H2SO4 clear glass
WGKU	8oz unpreserved clear jar	BG1T	1 liter Na Thiosulfate clear glass
WGFU	4oz clear soil jar	BG1U	1 liter unpreserved glass
JGFU	4oz unpreserved amber wide	BG3H	250mL HCl Clear Glass
		BG3U	250mL Unpreserved Clear Glass

Plastic / Misc.

BP1A	1 liter NaOH, Asc Acid plastic	BP3U	250mL unpreserved plastic
BP1N	1 liter HNO3 plastic	BP3Z	250mL NaOH, Zn Ac plastic
BP1S	1 liter H2SO4 plastic		
BP1U	1 liter unpreserved plastic	AF	Air Filter
BP1Z	1 liter NaOH, Zn, Ac	C	Air Cassettes
BP2A	500mL NaOH, Asc Acid plastic	R	Terra core kit
BP2N	500mL HNO3 plastic	SP5T	120mL Coliform Na Thiosulfate
BP2O	500mL NaOH plastic	U	Summa Can
BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
BP2U	500mL unpreserved plastic		
BP2Z	500mL NaOH, Zn Ac		
BP3B	250mL NaOH plastic		
BP3N	250mL HNO3 plastic		
BP3S	250mL H2SO4 plastic		