



Electronic Copy

February 19, 2013

Ms. Trudy Beverly, LG
NCDENR - Division of Waste Management
Superfund Section - Inactive Hazardous Sites Branch
Mooresville Regional Office
610 East Center Ave., Suite 301
Mooresville, NC 28115

Re: Wix Filtration Corp – Dixon Plant
Gastonia, North Carolina
NCD 980558829
Notification of an Inactive Hazardous Substance or Waste Disposal Site

Dear Ms. Beverly:

On behalf of Wix Filtration Corp, enclosed is the completed Notification of an Inactive Hazardous Substance or Waste Disposal Site for the Wix Filtration Corp – Dixon Plant located at 1525 South Marietta Street in Gastonia, North Carolina.

If you have any questions concerning the forms or need any additional information, please do not hesitate to contact me.

Sincerely yours,

A handwritten signature in black ink that reads "Robert E. Johnson".

Robert E. Johnson, Ph.D., LG
NC Licensed Geologist 1858

REJ:EMH

K:\Affinia\Double Eagle\Notifications\Dixon\Dixon Cover Letter_Notification_021513.docx

cc/encl: James Hiller, Affinia Group, Inc.
Weston Adams III, Esquire, McAngus Goudelock & Courie
Josh Schieffer, Wix Filtration Corp

Notification of an Inactive Hazardous Substance or Waste Disposal Site

VIII. ENVIRONMENTAL PERMITS:

List all previous and current environmental permits below.

Type of Permit <i>(e.g. landfill, nondischarge, etc.)</i>	Past <i>(circle one)</i>	Present	Permit Number	Date Issued	Issuing Agency
Air Permit	Past	Present	04598T16	2/3/2005	NCDENR-DAQ
Air Permit	Past	Present	04598T17	6/18/2008	NCDENR-DAQ
Air Permit	Past	Present	Exemption Letter	1/9/2009	NCDENR-DAQ
Hazardous Waste - LQG	Past	Present	NCD980558829	11/10/2000	NCDENR-DWM
Hazardous Waste - CESQG	Past	Present	NCD980558829	9/1/2009	NCDENR-DWM
Hazardous Waste - SQG	Past	Present	NCD980558829	2/3/2012	NCDENR-DWM
Stormwater	Past	Present	NCG030000;NCG03414	9/1/1997	NCDENR-DWQ

IX. KNOWN OR SUSPECTED RELEASES OF HAZARDOUS SUBSTANCES OR WASTE TO THE ENVIRONMENT: Stormwater Present Rescission of NPDES General Permit 9/10/2009 NCDENR-DWQ

List all on-site spills, disposals and other releases of hazardous substances or materials containing hazardous substances.

Material/ Chemical Released <i>(Known and suspected)</i>	Physical State of Material <i>(Use codes below)</i>	Approx. Volume Released	Date of Release	Suspected Contaminants <i>(Use codes below)</i>	Source of Release <i>(e.g. tank, buried drums, landfill, product spill, etc.)</i>	Known or Suspected Contamination			
						Ground water	Surface Water	Sediment	Soil
PCB-1260	S	unknown	unknown	P	floor pit	<i><Enter "K" if Known and "S" if Suspected ></i>			

Physical State Codes

- G - Containerized Gas
- L - Liquid
- S - Solid/Powder
- Sl - Sludge

Codes for Suspected Contaminants

- A - Acids
- Ab - Asbestos
- Am - Ammonia
- B - Bases
- C - Cyanide
- D - Dioxins
- M - Metals
- Mu - Mixed Municipal Waste
- O - Organic Chemicals
- P - PCBs
- Pe - Petroleum Products
- Ps - Pesticides
- W - Waste Oil

X. TOTAL AREA OF ALL DISPOSALS, SPILLS, OR RELEASES OF HAZARDOUS SUBSTANCES OR WASTE:

- less than 1 acre
- 1 acre or more, but less than 5 acres
- 5 acres or more, but less than 10 acres
- 10 acres or more
- Unknown

XI. AVAILABILITY OF ENVIRONMENTAL ANALYTICAL DATA:

Do any environmental reports or laboratory analytical data exist for the site? Yes No
 If yes, attach reports or data to this form.

XII. IDENTIFY WHETHER ANY OF THE FOLLOWING ARE PRESENT OR WERE PRESENT IN THE PAST AT THE SITE (*More than one may apply.*):

- | | | | | | |
|-------------------------------------|-----------------------------|-------------------------------------|--------------------------------|-------------------------------------|----------------------|
| <input type="checkbox"/> | Debris pile(s) | <input checked="" type="checkbox"/> | Tank(s) above ground | <input type="checkbox"/> | Spill(s) |
| <input type="checkbox"/> | Land treatment of sludges | <input type="checkbox"/> | Septic tank(s) | <input type="checkbox"/> | Wastewater lagoon(s) |
| <input type="checkbox"/> | Landfill(s) or buried waste | <input type="checkbox"/> | Surface impoundment(s) | <input checked="" type="checkbox"/> | Drum(s) |
| <input checked="" type="checkbox"/> | Tank(s) underground | <input type="checkbox"/> | Underground injection of waste | | |
| <input checked="" type="checkbox"/> | Other (<i>specify</i>) | Floor pit | | | |

XIII. ACCESSIBILITY OF SITE (*More than one may apply.*):

- 24-hour security guard
- Security guard < 24-hour/day
- Physical barrier (steep bank, creek, walls, etc.)
Describe physical barriers _____
- Site completely surrounded by fence
- Site partially surrounded by fence
- Locked gate
- Unlocked gate
- No control of access to site
- Other (*specify*) _____

XIV. WATER SUPPLY SOURCES:

Identify whether the following are present on site or on adjacent property.

	Present on site		Present on Adjacent Property	
	Yes	No	Yes	No
Spring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Well	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Surface Water Intake	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XV. SITE SURFACE WATER:

Indicate whether any surface water bodies (e.g. streams and lakes) exist on the site or the property adjacent to the site.

No surface water bodies exist on the site or the property adjacent to the site.

XVI. CERTIFICATION AND SIGNATURE:

I certify that to the best of my knowledge and belief, the information supplied on this form is complete and accurate.

Signature Joshua G. Schiffer Date 2-14-13
Name and Title (Type or print) EH&S MANAGER
Mailing Address 2900 NORTHWEST BLVD.
GASTONIA, NC 28052

NC STATE

GASTON COUNTY

I, Christina Swanger, a Notary Public for said County and State, do hereby certify that JOSHUA GENE SCHIFFER personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of February, 2013.

(Official Seal)

Christina Swanger
Notary Public

My commission expires August 1st, 2017.

Figure

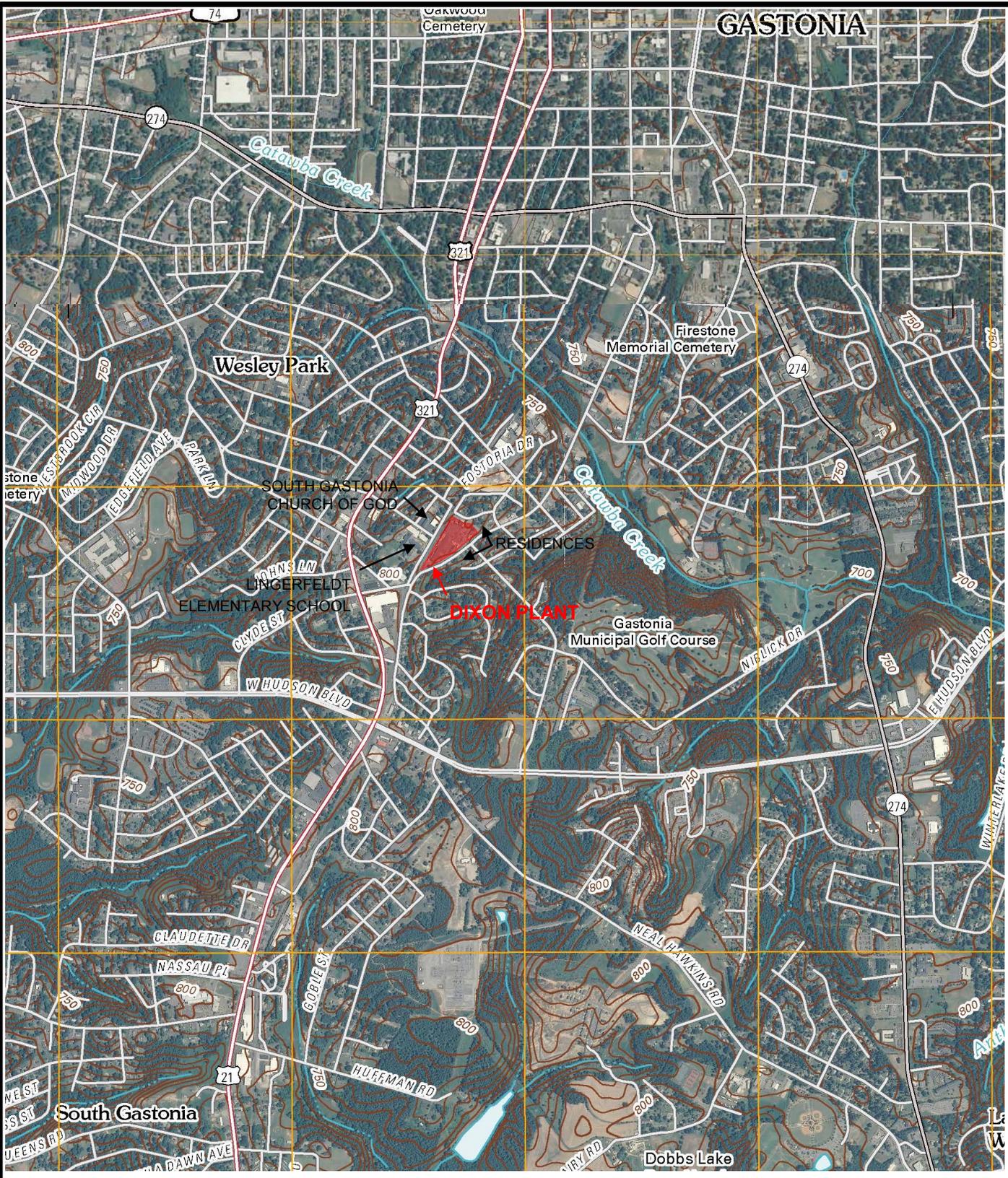


DWG Name: 000037031-A02

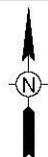
Checked: EMH 02/05/2012
Approved: REL 02/05/2013

Drawn By: EMH 11/09/2012

A



REFERENCE:
 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE
 GASTONIA NORTH, NORTH CAROLINA 2010
 GASTONIA SOUTH, NORTH CAROLINA 2011
 SCALE 1:24,000



WSP Environment & Energy
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia 20191
 (703) 709-6500

FIGURE 1

SITE LOCATION MAP

DIXON PLANT
 GASTONIA, NORTH CAROLINA

PREPARED FOR
 WIX FILTRATION CORP LLC
 GASTONIA, NORTH CAROLINA

Enclosures





UNITED
BY OUR
DIFFERENCE



PHASE I ENVIRONMENTAL SITE ASSESSMENT

Wix Filtration Corporation – Dixon Plant
1525 S. Marietta Street, Gastonia, North Carolina

WSP Project No. 00032538

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Wix Filtration Corporation – Dixon Plant
1525 S. Marietta Street, Gastonia, North Carolina

8/27/2012

Client

Affinia Group, Inc.
1101 Technology Drive, Suite 100
Ann Arbor, Michigan 48108

Consultant

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WSP Contacts

Franklin E. Giles, Technical Manager

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Executive Summary

WSP Environment & Energy, LLC (WSP) conducted a Phase I environmental site assessment of the Wix Filtration Corporation facility located at 1525 S. Marietta Street in Gastonia, Gaston County, North Carolina (subject property, facility, or site), at the request of Affinia Group, Inc. This facility is known as the Wix Dixon Plant. The Phase I environmental site assessment was conducted in accordance with the U.S. Environmental Protection Agency Standards and Practices for All Appropriate Inquiries as required under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act and referenced in Title 40 Code of Federal Regulations, Part 312; the American Society for Testing and Materials (ASTM) International Standard E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05); and WSP's proposal to Affinia Group, Inc. for the work, dated June 19, 2012.

The goal of this Phase I environmental site assessment was to identify recognized environmental conditions in connection with the subject property based on a records review, the site visit, and interviews. Key definitions from ASTM E 1527-05 that serve as the basis for WSP's findings are included in Appendix A.

The subject property is comprised of 5.45 acres of land (subject property) and includes a single-story, single-tenant, 148,000-square-foot building (subject building). Other key features of the subject property include paved parking and driveway areas and a brick guard station. The facility is used for product research and development, product engineering and testing, repackaging filters, and processing returned products for redistribution or disposal. The facility's operations include filter testing, prototyping, unpacking, packing, inspection shipping, and receiving. The subject property is owned Wix Filtration Corporation and was originally constructed in 1919.

WSP identified the following recognized environmental condition in connection with the subject property:

- In 2009, the facility discovered a 2-foot by 4-foot by 4-foot deep concrete floor pit in a former boiler room located on the west side of the building. The pit contained oily sludge which contained up to 0.17 parts per million of polychlorinated biphenyls (PCBs). The sludge was removed for proper disposal and the pit was filled with concrete prior to completion of the renovation. No sampling or testing of the concrete or surrounded soil was done. WSP considers the potential presence of PCB-contaminated concrete and soil in the floor pit of the former boiler room to be a recognized environmental condition.

WSP did not identify any additional environmental conditions at the subject property.

1 Introduction

1.1 General

WSP Environment & Energy, LLC (WSP) conducted a Phase I environmental site of Wix Filtration Corporation facility located at 1525 S. Marietta Street in Gastonia, Gaston County, North Carolina (subject property, facility, or site), at the request of Affinia Group, Inc. This facility is known as the Wix Dixon Plant. The Phase I environmental site assessment was conducted in accordance with the U.S. Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) as required under Section 101(35)(B) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as specified in Title 40 Code of Federal Regulations (CFR), Part 312; the American Society for Testing and Materials (ASTM) International Standard E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05); and WSP's proposal to Affinia Group, Inc. for the work, dated June 19, 2012.

The goal of this Phase I environmental site assessment was to identify recognized environmental conditions in connection with the subject property based on a records review, the site visit, and interviews. Key definitions from ASTM E 1527-05 that serve as the basis for WSP's findings are included in Appendix A.

The assessment is based on a visit to the site by Franklin E. Giles, technical manager of WSP, an Environmental Professional. Mr. Giles' resume is included in Appendix B. Mr. Giles was assisted on the site visit by Carrie Nguyen, Environmental Health and Safety Manager of Wix. The following work was conducted during completion of the environmental assessment:

- A site visit at the Wix facility was conducted on July 16, 2012. The site visit covered all areas of the plant including offices, production areas, maintenance rooms, the building rooftop, and onsite parking areas.
- None of the building areas were inaccessible during the site visit.
- Relevant environmental documents were reviewed including agency correspondence, manifests, emission inventories, and laboratory reports.
- Photographs of the site were taken to document conditions during the site visit and to highlight potential environmental concerns. The photographs are presented in Appendix C.
- WSP's confidential Phase I environmental site assessment questionnaire was completed with the assistance of Ms. Nguyen. Ms. Nguyen has managed environmental issues at the facility at the facility for 10 years.
- WSP conducted interviews with the following people:
 - Scott Van Pelt, facility manager and representative of Wix Filtration Corporation, the current property owner. Wix has owned the property for 43 years.
 - Fred Lynn, product development engineer of Wix. Mr. Lynn grew up in the neighborhood of the facility and began working at the facility in 1966. Mr. Lynn worked at the facility during the tenure of Uniroyal, a previous site owner.
 - WSP was unable to contact previous site owners. Because WSP was able to obtain sufficient information on past operations in other ways, the inability to contact previous owners does not affect WSP's ability to identify recognized environmental conditions at the subject property.
 - Carrie Nguyen of Wix, the "user" of this Phase I environmental site assessment, to obtain information relevant to identifying the possibility of a recognized environmental condition in connection with the subject property.

- WSP retained Environmental Data Resources, Inc. (EDR), to conduct a database search of the site and properties within AAI- and ASTM-specified search radii to identify releases or threatened releases and to help assess the likelihood of problems from migrating hazardous substances or petroleum products. The search (including the approximate minimum search distances) was conducted in accordance with the standards established by Section 101(35)(B) of CERCLA, 40 CFR 312.26, and ASTM 1527-05. The results of the database search are presented in Appendix D.
- WSP also retained EDR to conduct a search for historical records pertaining to the subject property. The records search produced the following results:
 - aerial photographs dated 1961, 1969, 1971, 1973, 1984, 1989, 1993, 1994, 1999, 2005, 2006, and 2008 (Appendix E)
 - Sanborn fire insurance maps from 1922, 1930, and 1942 (Appendix E)
 - historical topographic maps from 1947, 1973, 1984, and 1993 (Appendix E)
 - city directories from 1964 to 2012 (Appendix E)
- WSP reviewed property and zoning information available at the Gaston County, North Carolina, Office of the Director of Revenue, GIS Division.
- WSP reviewed information available from the Gaston County Health Department Environmental Health Services office.
- A search of engineering and institutional controls on the use of the property, including deed restrictions, was included as part of the regulatory database search performed by EDR.
- WSP reviewed a Phase I Environmental and Limited EHS Compliance Assessment prepared RMT, Inc., dated March, 2004.
- A chain of title was not obtained for the subject property.

This Phase I environmental site assessment was conducted in accordance with ASTM E 1527-05. Radon, lead-based paint, lead in drinking water, wetlands delineation, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, mold, and high voltage power lines are non-scope considerations under Section 13.1.5 of ASTM E 1527-05 and were not included in WSP's Phase I environmental site assessment process.

1.2 Disclaimer

Client acknowledges and agrees that this report was prepared solely on its behalf and functions solely as a Phase I environmental site assessment. Where Client is required to disseminate this report, either by law or in connection with Client's business activities, to any other party to whom this report is not addressed ("the Third Party"), Client agrees to notify the Third Party of the terms of this disclaimer who in turn shall be bound by such terms.

By accepting this report, Client acknowledges and agrees that it may in part rely upon sources, either written or oral, that WSP considers reliable, but which are not guaranteed or independently verified by WSP. Any party wishing to rely on the information and opinions contained herein does so at its own risk. Further, such parties agree to indemnify WSP, to the full extent allowed by law, against any and all claims, damages, losses, and expenses arising from or in connection with their reliance, including but not limited to, attorney fees and charges and court and arbitration costs.

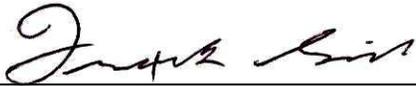
1.3 Term of Report Viability

In accordance with ASTM E 1527-05 and AAI, this Phase I environmental site assessment will remain valid for 12 months from the date of this report. In instances where more than 6 months (180 days) elapses from the date of this report to a future transaction closing or lease execution date involving the subject property, certain aspects of the assessment must be updated to benefit from the “innocent purchaser” protection.

1.4 Environmental Professional Declaration

This report was prepared by Franklin E. Giles, technical manager of WSP. Mr. Giles’ resume is included in Appendix B.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 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 all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Franklin E. Giles, Technical Manager

2 Subject Property

2.1 Present Use

The Wix Dixon Plant is located at 1525 S. Marietta Street in Gastonia, North Carolina (Figure 1). The subject property is comprised of 5.45 acres of land and includes a single-story, single-tenant, 148,000-square-foot building (subject building). The facility is used for product research and development, product engineering and testing, repackaging filters and processing returned products for redistribution or disposal. The facility's operations include filter testing, prototyping, unpacking, packing, inspection shipping and receiving. The Wix Dixon Plant operates under Standard Industrial Classification (SIC) Codes 4783 and 8734, which are specific to establishments primarily engaged in packing, crating, and otherwise preparing goods for shipment, and establishments primarily engaged in providing testing services. These SIC codes correspond respectively to North American Industry Classification System (NAICS) Codes 488991 and 541380.

2.1.1 General Description

The subject property is owned Wix Filtration Corporation. The subject building includes 30,000 square feet of office and laboratory areas and 118,000 square feet of production and warehouse space (Figure 2). The property includes a 12,500-square-foot partial basement under the southern portion of the building. Asphalt-paved surfaces surround the subject building. A single-story, 140-square-foot, brick guard station is located in the southeastern portion of the paved area. The subject building and surrounding paved areas take up the entire property (Figure 2).

Key features of the subject property include the following:

- a front office
- engineering offices
- testing laboratories
- prototyping shop
- model shop
- shipping and receiving docks
- production area
- returns processing area
- maintenance area
- drum storage room
- warehouse areas
- chiller room
- paved parking area
- electrical substation
- cooling tower

The Wix Dixon Plant has 170 employees and operates from 6:00 A.M. to 11:00 P.M., Monday through Friday.

According to Gaston County property records and a local history published on the internet, the subject property was originally developed as a cotton mill in 1919. Sanborn maps from 1922 indicate that the subject property was likely used for residential or agricultural purposes prior to development as a cotton mill.

According to facility personnel, the subject property has been owned by Wix since 1969. The previous owners of the subject property were U.S. Rubber Company (Uniroyal) from 1957 to 1969, American & Efird Mills from 1946 to 1957, and Dixon Mills Inc., which developed the property as a cotton mill in 1919.

According to the Gaston County, North Carolina, Office of the Director of Revenue, Geographic Information System (GIS) Division online GIS, the subject site is zoned I-U for Urban Industrial.

2.1.2 Environmental Setting

According to the U.S. Geological Survey Gastonia South quadrangle (7.5-minute series) map, the ground elevation of the subject property is approximately 849 feet above mean sea level. The site is located on the top of a small hill in a generally rolling area with land on the majority of the property sloping to the northeast toward a tributary of Catawba Creek.

No water bodies are present on the subject property. The nearest water body, a tributary of Catawba Creek, flows generally eastward approximately 0.40 mile northeast of the site. Based on the topography of the subject property and the location of Catawba Creek, groundwater flow is presumed to be to the northeast.

The U.S. Department of Agriculture Soil Conservation Service indicates that the soils at the subject property are classified as Urban Land. The bedrock underlying the property consists of rocks from the Upper Paleozoic granitic series.

According to the Federal Emergency Management Agency Flood Insurance Rate Map, the subject property is not located within a 100-year flood plain. Facility personnel reported that, to their knowledge, the site has never flooded.

WSP reviewed wetlands information for the site using the U.S. Fish and Wildlife Service's (USFWS) online National Wetland Inventory Mapper. According to the USFWS database, wetlands are not present on the site.

2.2 Past Uses

No information was available on uses of the subject property prior to its development. Based on 1922 Sanborn maps, the subject property was likely used for residential or agricultural purposes prior to its development as a cotton mill by Dixon Mills Inc. in 1919.

According to notes on a Sanborn Map from 1922, the Dixon Mill was electric powered. Operations identified at the site included carding, spinning, spooling, twisting, and reeling. No dyeing operations were identified at the site. No petroleum or hazardous material storage tanks are shown on the map. Based on the limited available information, American & Efird Mills' operations appear to have been substantially similar to Dixon Mills'. Operations of the kinds identified at the property typically do not involve significant amounts of solvents, petroleum, or other hazardous substances, and WSP therefore, concludes that it is unlikely that Dixon Mills' or American & Efird Mills' operations caused an environmental condition at the subject property.

According to Mr. Lynn, Uniroyal used the facility for the production of rubber-based elastic for use in textiles. The facility received natural and synthetic latex emulsions by tanker truck and produced cured rubber thread, some of which was also sheathed in fabric. Mr. Lynn stated that to his knowledge no significant releases occurred at the property during Uniroyal's tenure, and that no pits, ponds, septic system, or waste treatment operations were present. According to Mr. Lynn, the facility discharged wastewater to the city sewer during Uniroyal's tenure. Based on the information provided, WSP concludes that it is unlikely that Uniroyal's production operations caused an environmental condition at the subject property.

Between 1969 and 2009, Wix used the facility to manufacture air filters. Wix's air filter manufacturing process involves pleating paper filter media, assembling it with metal and plastic components using plastisol, a suspension of polyvinyl chloride (PVC) particles in a plasticizer, or polyurethane resins as adhesives, and thermal curing the resulting assembly to harden the adhesive. This process does not typically involve significant amounts of solvents,

petroleum, or other hazardous substances, except for cleaning solution used to clean the adhesive handling equipment. According to facility personnel, a solution of terpenes, such as citriclean, was used to clean adhesive handling equipment between 1988 and 2009. According to facility personnel, methylene chloride was used for this purpose prior to 1988. Facility personnel and local records reviewed by WSP indicate that no significant releases of cleaning solution or other industrial materials have occurred at the facility. WSP, therefore, concludes that it is unlikely that Wix's past production operations caused an environmental condition at the subject property.

No other information was available regarding previous operations at the facility. No recognized environmental conditions associated with past uses of the subject property were identified.

2.3 Previous Environmental Reports

WSP reviewed a Phase I Environmental and Limited Environmental Health and Safety (EHS) Compliance Assessment prepared RMT, Inc., and dated March, 2004. The assessment identified evidence of three recognized environmental conditions at the subject property.

- The site has been developed for industrial use as a cotton mill and for production of automotive parts since at least 1922. Chemical usage history prior to 1969 is not known, and the nature and extent of potential impacts to site soils and/or groundwater have not been characterized.
- Public records reported that an 8,000-gallon fuel oil underground storage tank (UST) was removed in 1980. No other information related to this UST was found.
- Public records reported two nearby sites that have had significant groundwater investigations. No information related to groundwater depth, direction of flow, or quality was found related to these sites.

WSP was able to obtain additional information on each of the issues raised by the 2004 Phase I Assessment, and concludes that these issues do not indicate recognized environmental conditions at the subject property.

2.4 Current Operations and Conditions

2.4.1 Raw Materials Handling and Storage Practices

Wix stores the following raw materials onsite: manufactured filters, cardboard boxes and packaging materials, aqueous bioshield for treating cabin air filters, oil, automatic transmission fluid, and small amounts of construction materials, chemicals, and solvents used for prototype construction and laboratory testing. Manufactured filters, cardboard boxes, and packaging materials are stored in the warehouse areas. Oil and automatic transmission fluid, which are used to test filters and aqueous biocide, are stored in 55-gallon drums in the drum storage room. The drum storage room has a bermed entrance and a coated concrete floor that provide adequate secondary containment. None of the drums were observed to be leaking or rusted. Most of the drums and other chemical containers observed by WSP were marked with labels indicating their contents. Minor staining was observed on the drum room floor. Prototype construction materials are stored in the prototype shop and maintenance area. Laboratory solvent is stored in four liter glass bottles in flammable material cabinets located in laboratory rooms.

Facility personnel report that between 2008 and 2009, the facility discontinued the use of bulk quantities of plastisol, paper filter media, 2-component polyurethane adhesive, surfactants, oil, inks, and cleaning solution when the associated manufacturing operations were moved.

All incoming raw materials are received by truck to the receiving dock at the south end of the building. According to facility personnel and reviews of government records, no reportable spills or releases of raw materials have occurred at the site.

WSP did not identify any recognized environmental conditions based on a review of the facility's raw materials handling practices.

2.4.2 Solid and Hazardous Waste

The Wix Dixon plant is currently registered as a small quantity generator of hazardous waste and operates under the EPA Identification Number NCD980558829. The primary hazardous waste stream generated by the facility is spent pentane and xylene solvent (F003) generated by filter testing. Hazardous waste is removed by Clean Harbors Environmental Services of Norwell, Massachusetts, and disposed at Clean Harbors in La Porte, Texas.

Based on interviews with facility personnel, the facility previously generated the following hazardous waste streams: spent adhesive cleaning solution (D001). The facility has also occasionally generated D001 hazardous waste when disposing of flammable product components returned by customers.

Facility personnel report that previous hazardous waste streams including (list) were removed by Heritage-Crystal Clean, LLC, of Charlotte, North Carolina.

The facility currently manages spent fluorescent bulbs as universal waste. Universal waste is sent offsite to Clean Harbors in La Porte, Texas, or El Dorado, Arkansas for recycling. Several containers of universal waste lamps were observed during the site visit. The universal waste containers were properly labeled, in good condition, and free of leaks.

Hazardous waste is stored in the drum storage room. At the time of the site visit, a satellite accumulation drum of hazardous absorbents was stored in the drum storage room. The container was properly labeled and closed. No cracked concrete or floor drains were observed in the drum storage room.

A hazardous waste satellite accumulation container was observed in the laboratory area. No staining, cracked concrete, or floor drains were noted in the satellite accumulation area.

The primary nonhazardous wastes generated onsite include used oil, scrap filter media paper, waste aqueous bioshield, cardboard, and plant trash.

Used oil is generated during filter testing and collected in 55-gallon drums in the lab. Used oil is managed by Diversity of Spartanburg, South Carolina. Waste aqueous bioshield is removed by Clean Harbors of La Porte, Texas. Used absorbent is generated from small oil and coolant spills. VLS of Gastonia, North Carolina removes scrap filter media paper. Cardboard and plant trash are taken by disposal by Waste Management of Charlotte, North Carolina.

Cardboard is baled and shipped offsite for recycling by Waste Management of Charlotte, North Carolina. General trash is collected in a compactor located at the north end of the building and removed by Waste Management of Charlotte, North Carolina. Plant trash is disposed of at the waste management landfill in Columbia, South Carolina.

No evidence of onsite waste disposal was noted during the site visit. No onsite pits, ponds, or lagoons were observed.

WSP did not identify any recognized environmental conditions based on a review of the facility's waste management practices.

2.4.3 Underground and Aboveground Tanks

According to information reviewed in the regulatory database report, two heavy fuel oil USTs, one 30,000-gallon capacity and one 8,000-gallon capacity, were installed in 1962 on the west side of the building and both tanks have been removed. According to facility personnel, the two tanks were located adjacent to each other end-to-end under the paved area to the west of the southern portion of the building. The 30,000-gallon tank was removed in 1999. According to a removal report prepared by Aquaterra Engineering and dated July 6, 1999, five soil samples were collected from the bottom of the tank excavation following removal of the tank. The samples were analyzed for total petroleum hydrocarbons-diesel range (TPH) by Specialized Assays, Inc. of Nashville, Tennessee. No TPH was detected in any of the samples. The 8,000-gallon tank was removed in 1980. No closure report or soil sampling data is available for the 1980 tank removal; however, based on the non-detect results of the soil sampling at the adjacent tank, there is no evidence that oil was released from the 8,000-gallon UST.

The Wix facility does not currently operate any aboveground storage tanks (AST). Two out-of-service 1,500-gallon cylindrical steel tanks are located in a small room located near the northeast corner of the building. These tanks were used to store plastisol and oil, and have been empty since manufacturing ceased in 2009.

WSP did not identify any recognized environmental conditions based on a review of the facility's USTs or ASTs.

2.4.4 Water, Wastewater, and Storm Water

The facility obtains its water from the city of Gastonia public water supply. No water supply wells are located on the subject property. The facility discharges sanitary wastewater to the city of Gastonia publicly owned treatment works (POTW). According to facility personnel and the Gaston County Department of Health, no septic systems or cesspools have ever been present onsite and none were observed. According to the City of Gastonia Utilities Department, public sewers were first installed in the vicinity of the facility in about 1920, and so the facility has likely always discharged to public sewers.

Floor drains are present in the laboratory oven room and in the warehouse area janitorial room. These drains reportedly flow to the sanitary sewer system. At the time of the site visit, all drains appeared to be in good condition with no signs of staining. No sumps were observed or reported to be present at the site.

Storm water at the site flows from a flat roof to a system of drainage pipes located in the interior of the building. From the drainage pipes, storm water is conveyed to local storm sewers. Precipitation falling on paved parking and driveway areas is discharged to catch basins located throughout the parking area. The facility operates a cooling tower and stores a trash compactor, baled cardboard, a covered dumpster, and a scrap metal bin outside the north end of the building. No evidence of stains or stressed vegetation was observed outdoors.

WSP did not identify any recognized environmental conditions based on a review of the facility's water, wastewater, or storm water discharges.

2.4.5 Air Emissions

Fugitive air emissions are generated from cleaners and adhesives used onsite, and from testing operations. Point source air emissions are generated from projector exhaust vents.

The building is heated with natural gas and cooled by several small electric air conditioners and an electric-powered chiller unit. The facility relies on Digitrol of Gastonia to maintain the large chiller and some air conditioning units. Mechanical Services of Charlotte, North Carolina, maintains the small air conditioning units.

WSP did not identify any recognized environmental conditions based on a review of the facility's air emission sources.

2.4.6 Polychlorinated Biphenyls

Electricity is supplied to the facility by Duke Electric Transmission. Three pad-mounted transformers and one pole-mounted transformer are located in a fenced substation on the east side of the property. No leaks or stains were observed in the vicinity of the transformers. The transformers were not labeled as to PCB content. The facility maintains a letter from Duke Electric Transmission dated November 12, 2001, stating that the three pad-mounted transformers were tested and found to contain no detectable PCBs. According the letter, the pole-mounted transformer had not been tested, and so must be classified as PCB-contaminated. Because no leaks or stains were observed in the vicinity of the transformers, it is unlikely that they have caused an environmental condition.

Hydraulic equipment is present at the facility. WSP did not see any evidence of leaks from this equipment. Facility personnel reported that none of the equipment used onsite utilizes hydraulic fluid containing PCBs. Facility personnel also noted that no PCB-containing ballasts are currently present at the site.

In 2009, the facility renovated a former boiler room located on the west side of the building for use as an air filter test laboratory. According to facility personnel, the boiler had been installed by a prior owner of the property and had never been used by Wix. In the course of the renovation a 2-foot by 4-foot by 4-foot deep concrete floor pit was uncovered in the room. The pit contained oily sludge which was tested by Prism laboratories, Inc. of Charlotte, North Carolina, and found to contain up to 0.17 parts per million (ppm) of PCB. The sludge was removed for proper disposal and the pit was filled with concrete prior to completion of the renovation. No sampling or testing of the concrete or surrounding soil was performed to confirm that no significant PCB contamination was present in surrounding concrete or soil.

WSP considers the potential presence of PCB-contaminated concrete and soil in the floor pit of the former boiler room to be a recognized environmental condition, because the presence of PCBs indicates a material threat of a release to the environment.

2.4.7 Asbestos

An asbestos survey was conducted at the facility by Republic Industries Inc. in May 1991. Based on the survey report, asbestos-containing material (ACM) was present in multiple locations at the facility. WSP did not evaluate the survey for completeness or accuracy, and we cannot guarantee that the survey accurately characterizes site conditions. According to facility personnel, ACM has been abated in some areas, but ACM thermal system insulation remains in 10 areas of the facility and ACM flooring or mastic is present in two laboratory rooms.

WSP was requested to determine if any readily observable building materials have the potential to contain asbestos. WSP was not contracted to perform a comprehensive asbestos survey or testing of materials for asbestos content. During the course of the site visit, WSP observed thermal system insulation and floor tiles which are building materials that may contain asbestos. In addition, the Wix facility was constructed in 1920 when ACM was used in building materials.

The Occupational Safety and Health Administration (OSHA) requires facilities to presume that any surfacing material and thermal system insulation in buildings constructed before December 31, 1980, contain asbestos, unless testing or other information demonstrates otherwise. Additionally, any vinyl flooring installed before December 31, 1980, must be presumed to contain asbestos unless testing or other information demonstrates otherwise. Based on WSP's observations, it appears that the building materials present would be considered presumed ACM.

Wix manages existing ACM in place, in accordance with its operations and maintenance (O&M) plan.

3 Adjoining Properties

3.1 Present Uses

The subject property is bordered to the north by a residential area; to the south and east by Marietta Street followed by residential and commercial development; and to the west by a railroad right-of-way, followed by Lingerfeldt Elementary School, and a church with an attached daycare facility. The nearest residences are located directly north and northeast of the site.

According to interviews with facility personnel, none of the adjacent properties are currently conducting any environmentally significant activities.

The regulatory database report identifies Lingerfeldt Elementary School as a closed leaking underground storage tank (LUST) site. According to the records reviewed, a fuel oil UST was removed from the site in 1999, and 100 ppm of TPH was found in underlying soils. The North Carolina Department of Environmental and Natural Resources (NC DENR) determined that no further action was required and closed the LUST case in January 2000. Based on the information provided, WSP concluded that the closed LUST case at Lingerfeldt Elementary School does not indicate an environmental condition at the subject property.

3.2 Past Uses

According to government records reviewed by WSP, a gas station was formerly in operation at 1501 South Marietta Street, less than 0.1 miles east of the subject property. According to the records reviewed, soil and groundwater petroleum contamination was found at this site following removal of six USTs in 1998. The contamination was cleaned up by the responsible party and NC DENR determined that no further action was required and closed the LUST case in June 1999. Based on the information provided, WSP concluded that the closed LUST case at 1501 South Marietta Street does not indicate an environmental condition at the subject property.

The previous environmental report (RMT, Inc. 2004) identified potential environmental concerns at two nearby properties, the former gas station at 1501 South Marietta described above, and the Chemtura site located at 214 West Ruby Avenue described in Section 4.1 - Regulatory Database Search. Based on WSP's review, there is no evidence indicating an existing release or a material threat of a release of any hazardous substances or petroleum products into structures on the subject property or onto the ground, groundwater, or surface water of the subject property from historical use of adjoining properties. No other historical sources of information regarding past uses of the adjoining properties were reasonably ascertainable.

4 Government Records Search/User Provided Information

4.1 Regulatory Database Search

WSP retained EDR to search federal and state regulatory databases to identify environmental issues that have been reported for the subject property or properties in the vicinity of the site. Search radii specified by the AAI Standard (40 CFR 312.26[c]) and ASTM 1527-05 were used. The complete database report, which provides detailed descriptions of the databases searched, subject property, and surrounding properties, is provided in Appendix D.

The subject property was listed on the following regulatory databases search by EDR:

- The UST database lists the facility as the former site of two underground fuel oils storage tanks. Both tanks are listed as removed. More information on these tanks is presented in Section 2.4.3 - Underground and Aboveground Tanks.
- The Resource Conservation and Recovery Act – Small Quantity Generator (RCRA-SQG) database lists the facility as a small quantity generator of hazardous waste with no treatment, storage, or disposal activities reported, and no violations identified since 1995.
- The North Carolina - Facility Identification Template for States (NC-FITS) and Facility Index System (FINDS) databases list the facility as an air emission source, a toxic release system reporter, and a hazardous waste biennial reporter.

These listings do not indicate any recognized environmental conditions at the subject property.

Federal and state databases also were searched to determine the potential for the site to be affected by releases from neighboring properties. The sites that have the greatest potential to have caused environmental contamination are those that have had releases or spills of hazardous substances or petroleum products located upgradient or in close proximity to the facility. The direction of localized groundwater flow at the facility is presumed to be to the northeast. Therefore, the sites that are of the greatest potential concern are those that have had releases or spills of hazardous substances or petroleum products and are southwest (upgradient) or in close proximity to the facility.

Seven sites within a 1-mile radius of the facility are listed on the databases searched by EDR. Six of the seven sites are listed on the LUST database and Incident Management database (IMD). These facilities, one of which is a residence, have reported releases of petroleum products; however, four of these incidents have been closed by the NC DENR. The remaining IMD site is cross-gradient and at least 0.25 mile from the subject property. Thus, there is no evidence that this site poses an environmental concern to the subject site. The remaining site is summarized below.

Chemtura, located at 214 West Ruby Avenue, 0.26-miles north-northeast of the subject property, is listed on the Comprehensive Environmental Response, Compensation, and Liability Information System No Further Remedial Action Planned (CERC-NFRAP), Inactive Hazardous Sites Inventory (SHWS), Resource Conservation and Recovery Act – Large Quantity Generator, and IMD databases. This site is also listed as Uniroyal Chemical on the SHWS database. The SHWS, CERC-NFRAP, and IMD listing describe this site as an inactive hazardous waste disposal site which was assessed for inclusion on the National Priorities List (NPL) in 1985 and 1991, and was assigned No Further Remedial Action Planned status in 1991. No information was provided on the wastes allegedly disposed at the site, but the RCRA-LQG listing indicated that corrosive wastes, reactive wastes, and non-halogenated solvent wastes were generated at the site between 1994 and the present. Based on the downgradient location of the Chemtura/Uniroyal site, WSP concludes that historical waste disposal is not likely to have caused a recognized environmental condition at the subject property.

Twenty-four facilities within a 1-mile radius of the subject property were identified as “orphan sites” in the EDR database report. These sites are identified as unmappable sites due to imprecise or limited address information (e.g., an incomplete street address or a P.O. Box). Therefore, it is difficult to determine the potential for activities at these sites to have affected the subject site. Eleven of the 24 listings did not indicate evidence of a release of petroleum or hazardous substances at the listed sites. Based on the facilities’ database address information, WSP was able to locate nine of the orphan sites. These sites are all over 1 mile from the subject property and based on their distance, are unlikely to pose an environmental concern to the subject property.

The remainder of the orphan sites, including four LUST and Leaking Aboveground Storage Tank (LAST) sites, could not be located using the addresses listed in the database. During the site visit, WSP did not observe any of the “orphan sites” in the vicinity of the subject property.

4.2 Environmental Cleanup Liens/Activity and Use Limitations

WSP conducted a search for the existence of environmental cleanup liens against the subject property through EDR. Based on WSP’s review, no environmental cleanup liens have been filed against the subject property or its present or previous owners.

A search of engineering and institutional controls on the use of the property, including deed restrictions, was included in the regulatory database search conducted by EDR. The results of the search indicated that no current engineering or institutional controls exist for the property.

4.3 Review of Local Records

WSP reviewed the Gaston County, North Carolina, Office of the Director of Revenue, GIS Division, online GIS system, which includes property and environmental information on sites in Gaston County. No indications of environmental conditions were identified for the subject or surrounding properties.

WSP interviewed William Glover, assistant fire marshal, City of Gastonia Fire Department, no hazardous material incidents have occurred at the subject property since the department began keeping records in 2006.

WSP also contacted the Gaston County Health Department, Environmental Health Services office to determine whether any septic systems or environmental incidents have been reported for the subject property. According to Samantha Dye, environmental health program supervisor, no septic systems are on record and no environmental incidents have been reported.

No “commonly known” information was identified during the local records review.

4.4 User-Provided Information

WSP interviewed Carrie Nguyen regarding the following:

- Environmental clean-up liens that are filed or recorded against the site – Ms. Nguyen indicated there were no known liens.
- Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry – Ms. Nguyen indicated there were no known activity or land use limitations.
- Specialized knowledge or experience – Ms. Nguyen indicated that she had specialized knowledge and experience with facility operations.
- Relationship of the purchase price to the fair market value of the property – Since no transaction involving the subject property has been proposed, there is no information on purchase price.

-
- Commonly known or reasonably ascertainable information about the property – Ms. Nguyen indicated that she had provided all relevant commonly known or reasonably ascertainable information about the property.
 - The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation – Ms. Nguyen indicated there were no obvious indicators of the presence or likely presence of contamination at the property.

5 Data Gaps

WSP did not identify any data gaps during the Phase I environmental site assessment that affect WSP's ability to identify recognized environmental conditions at the subject property.

6 Findings and Opinion

6.1 Recognized Environmental Conditions

WSP identified the following recognized environmental condition in connection with the subject property:

- In 2009, the facility discovered a 2-foot by 4-foot by 4-foot deep concrete floor pit in a former boiler room located on the west side of the building. The pit contained oily sludge which was found to contain up to 0.17 ppm of PCB. The sludge was removed for proper disposal and the pit was filled with concrete prior to completion of the renovation. No sampling or testing of the concrete or surrounded soil was done. WSP considers the potential presence of PCB-contaminated concrete and soil in the floor pit of the former boiler room to be a recognized environmental condition.

6.2 Historical Recognized Environmental Conditions

WSP identified no historical recognized environmental conditions in connection with the subject property.

6.3 *De minimis* Conditions

WSP identified no *de minimis* conditions at the subject property:

7 Conclusions and Recommendations

WSP conducted a Phase I environmental site assessment of the Wix Filtration Corporation facility located at 1525 S. Marietta Street in Gastonia, Gaston County, North Carolina, USA. This assessment was conducted in accordance with the U.S. EPA Standards and Practices for AAI; ASTM E 1527-05; and WSP's proposal to Affinia Group, Inc. dated June 19, 2012.

WSP identified the following recognized environmental condition in connection with the subject property:

- In 2009, the facility discovered a 2-foot by 4-foot by 4-foot deep concrete floor pit in a former boiler room located on the west side of the building. The pit contained oily sludge which was found to contain up to 0.17 ppm of PCB. The sludge was removed for proper disposal and the pit was filled with concrete prior to completion of the renovation. No sampling or testing of the concrete or surrounded soil was done. WSP considers the potential presence of PCB-contaminated concrete and soil in the floor pit of the former boiler room to be a recognized environmental condition.

WSP did not identify any additional environmental conditions at the subject property.

8 References

- Aquaterra Engineering. 1999. UST Closure Assessment Report 30,000-gallon #5 Fuel Oil Tank, Gastonia, North Carolina. July 6.
- Environmental Data Resources, Inc. 2012. The EDR Aerial Photo Decade Package. Inquiry Number: 3358208.5. July 5.
- Environmental Data Resources, Inc. 2012. The EDR City Directory Abstract. Inquiry Number: 3358208.6. July 6.
- Environmental Data Resources, Inc. 2012. The EDR Historical Topographic Map Report. Inquiry Number: 3358208.4. July 3.
- Environmental Data Resources, Inc. 2012. The EDR Environmental Lien and AUL Search. Inquiry Number: 3358208.7. July 3.
- Environmental Data Resources, Inc. 2012. The EDR Radius Map with GeoCheck. Inquiry Number: 3358208.2r. July 3.
- Environmental Data Resources, Inc. 2012. Sanborn® Map Report. Inquiry Number: 3358208.3. July 5.
- Federal Emergency Management Agency. 2007. FIRM Flood Rate Insurance Map, North Carolina. Panel ID 3710354400J. September 28.
- Ragan, Robert Allison. 2008. Gastonia History (www.vintagegastonia.com)
- RMT, Inc. 2004. Phase I Environmental and Limited EHS Compliance Assessment. March.
- U.S. Environmental Protection Agency. 2012. Envirofacts Online Database Search. July 9.
- U.S. Geological Survey. 1993. Gastonia South, North Carolina, Quadrangle, 7.5 Minute Series (Topographic). Scale 1:24,000.

9 Acronym List

AAI	all appropriate inquiries
ACM	asbestos-containing material
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERC-NFRAP	Comprehensive Environmental Response, Compensation, and Liability Information System No Further Remedial Action Planned database
CFR	Code of Federal Regulations
EDR	Environmental Data Resources, Inc.
EHS	Environmental Health and Safety
EPA	U.S. Environmental Protection Agency
FINDS	Facility Index System database
GIS	geographic information system
IMD	incident management database
LAST	leaking aboveground storage tank
LUST	leaking underground storage tank
NAICS	North American Industry Classification System
NC DENR	North Carolina Department of Environmental and Natural Resources
NC-FITS	North Carolina - Facility Identification Template for States
NPL	National Priorities List
O&M	operations and maintenance
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
POTW	publicly owned treatment works
ppm	parts per million
PVC	polyvinyl chloride
RCRA-SQG	Resource Conservation and Recovery Act – Small Quantity Generator
SARA	Superfund Amendments and Reauthorization Act
SHWS	Inactive Hazardous Sites Inventory
SIC	standard industrial classification
TPH	total petroleum hydrocarbons
USFWS	U.S. Fish and Wildlife Service
UST	underground storage tank

Figures

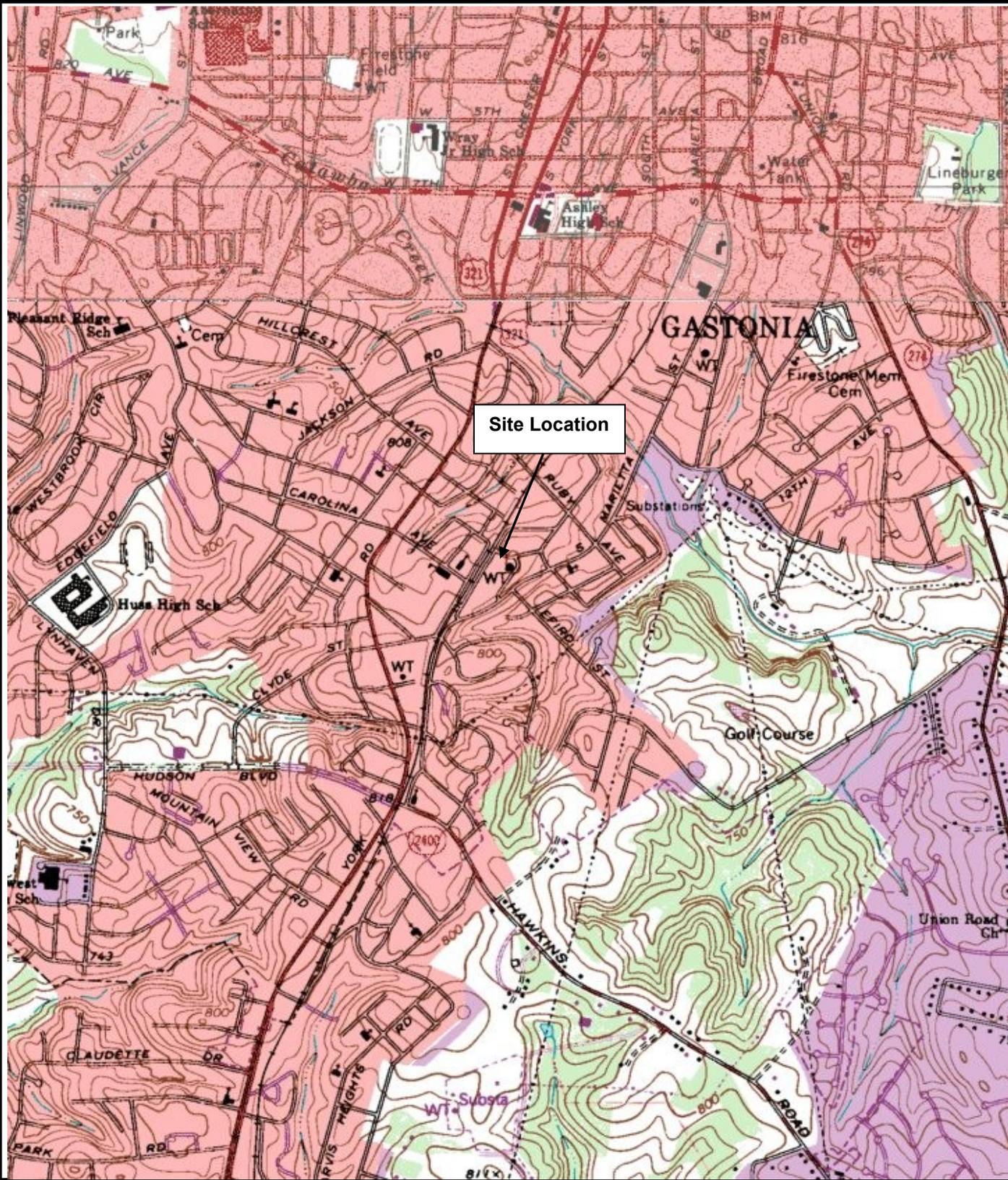
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Checked:

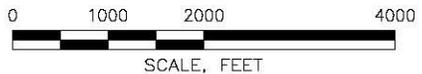
Approved:

Drawn By:

A



REFERENCE:
 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE
 GASTONIA SOUTH, NORTH CAROLINA
 PHOTOREVISED 1993 SCALE 1:24,000



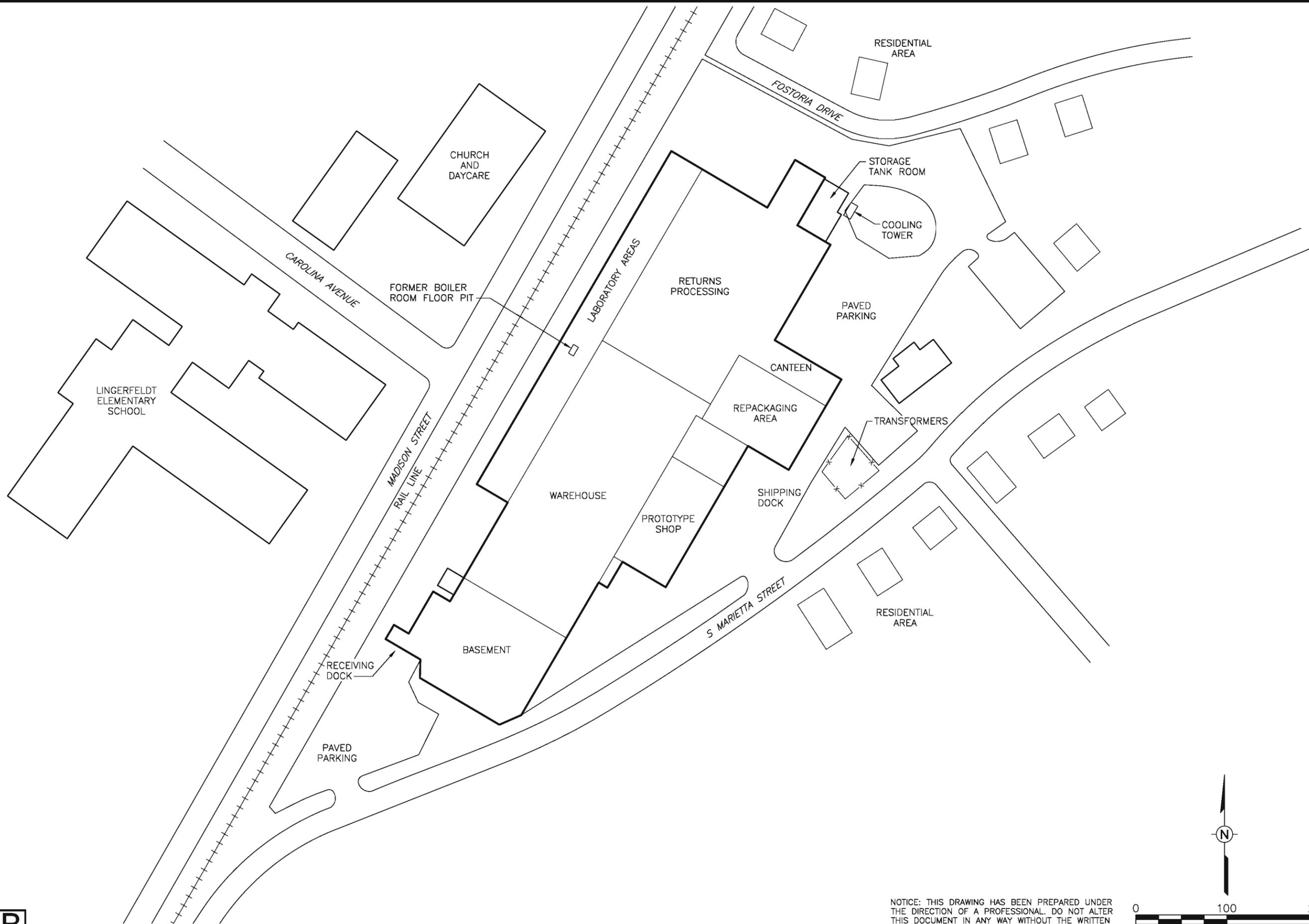
WSP
 WSP Environment & Energy
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia 20191
 (703) 709-6500

FIGURE 1
 SITE LOCATION MAP

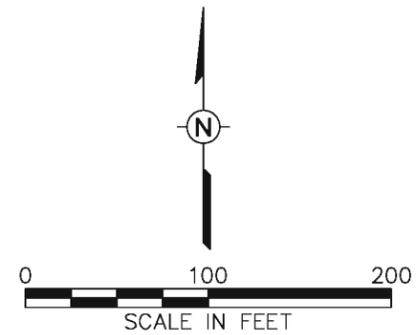
Wix Filtration Corporation
 Gastonia, North Carolina
 PREPARED FOR
 AFFINIA GROUP, INC.
 ANN ARBOR, MI

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NOTICE: THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A PROFESSIONAL. DO NOT ALTER THIS DOCUMENT IN ANY WAY WITHOUT THE WRITTEN CONSENT OF WSP ENVIRONMENT & ENERGY, LLC.



Drawn By: EGC
 Checked: *DEB* 7/25/2012
 Approved: *MPL* 8/18/2012
 DWG Name: 00032538-007

1525 SOUTH MARIETTA STREET
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA GROUP INC.
 ANN ARBOR, MICHIGAN

Figure 2
 SITE LAYOUT

WSP
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Appendix A – Key Definitions from ASTM E 1527-05

Key Definitions from ASTM E 1527-05
Standard Practice for Environmental Site Assessments: Phase I Environmental Site
Assessment Process¹

As stated in ASTM E 1527-05, the goal of the Phase I site assessment process is to identify recognized environmental conditions, which is defined as:

... the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

Section 12.5 of ASTM E 1527-05 states that the report shall have a findings section which identifies known or suspect recognized environmental conditions, historical recognized environmental conditions, and *de minimis* conditions. For purposes of compliance with ASTM E 1527-05, environmental professionals² at WSP Environment & Energy have defined “known” recognized environmental conditions as those conditions that have direct evidence of a release or material threat of a release, such as existing soil or groundwater contamination that has been documented through investigation and data analysis. “Suspect” recognized environmental conditions have been defined as those conditions that might be expected to have resulted in a release or material threat of a release based on WSP’s experience with other similar sites, such as extensive historical use of a property for industrial purposes; however, direct evidence does not exist.

Historical recognized environmental condition – an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an historical recognized environmental condition and included in the findings section of the Phase I Environmental Site Assessment report.

De minimis conditions – conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

¹ The definitions presented in this document were excerpted directly from ASTM E 1527-05.

² “Environmental professionals” mean those employees of WSP who meet the definition of environmental professional as described in Section 3.2.29 and Appendix X2 of ASTM E 1527-05.

Appendix B – Statement of Qualifications



Frank E. Giles

Technical Manager
WSP Environment & Energy

Career Summary

Frank Giles is an experienced and highly productive environmental consultant with more than 20 years experience in environmental and energy auditing, emissions assessments, environmental compliance, and EHS management systems. As technical manager, he serves as a senior environmental auditor, an expert on air, waste, and oil spill compliance, and as a consultant to client facilities. He has completed audits and due diligence assessments of facilities ranging in complexity from empty warehouse space to world-scale petrochemical manufacturing facilities. Prior to joining WSP, Mr. Giles served for more than 10 years as environmental manager or environmental compliance specialist at petroleum refineries in California, Hawaii, and Texas.

Professional Qualifications

- Certified Professional Environmental Auditor, BEAC

Education and Training

- B.S. – Biochemistry, University of California, Los Angeles
- A.M. – Chemistry, Harvard University

Professional Memberships

- Member, Air and Waste Management Association
- Member, The Auditing Roundtable

Selected Relevant Experience

Project Experience

- Environmental Auditing - Audited over 100 energy, petrochemical, manufacturing, distribution and TSDF facilities for environmental impacts and EHS compliance. Specialties in Air, Hazardous Waste and Oil Spill Prevention auditing. Significant facilities audited include: nuclear, gas and coal powered electrical generation; waste to energy facilities; natural gas production, treatment, and distribution; petrochemical refining; petroleum

pipelines; steel foundry; metal machining and forming; food and beverage production; electrical, refrigeration and air conditioning manufacturing; and hazardous waste treatment and disposal sites.

- Environmental Auditing - Manages a significant auditing client account including an average of 12 environmental compliance audits of energy facilities per year.
- Environmental Management Systems - Led colleagues and contractors in a multi-year \$2 million project to design and implement an ISO 14000-compatible environmental management system (EMS) at a petroleum and petrochemical refinery complex.
- Environmental Impact Assessment – Prepared and supervised preparation of complete air emission inventories, including greenhouse gas and air toxics, and air toxics impact and health risk assessments for petroleum refineries.
- Air Compliance Management - Designed and implemented fugitive emission monitoring and leak repair programs at two petroleum refineries.
- Air Compliance Management – Led preparation of air toxic emission inventories and health risk assessments for a petroleum refinery in California. Prepared air emission inventories for more than a dozen other facilities.
- Oil Spill Prevention – Plan Development Leader for the BHP Petroleum Hawaii Oil Spill Response Team. Prepared Oil Spill Prevention, Control, and Countermeasures plans for over twenty facilities.
- Negotiation Support - Helped negotiate favorable settlements of RCRA, SPCC and Clean Air Act enforcement actions with EPA Region IX. Negotiated a settlement of a \$600k emission fee and fine assessment for \$14k with the South Coast Air Quality Management District in Southern California.
- Due Diligence - Completed over 100 due diligence investigations, including reviews of information on facilities in Europe, South America and Asia. Significant facilities evaluated include: hazardous waste treatment, storage, and disposal (TSD); petrochemical processing; petroleum terminals and pipelines; mines; smelters; steel mills; foundries; biotechnology; synthetic fibers; electrical equipment; automotive; airport services; and light industrial and commercial properties of all kinds.

Awards and Publications

- Franklin Giles. Winter 2004. “EMS Improvement through Effective Delegation of Environmental Responsibilities” Environmental Quality Management. Volume 14, Number 2.
- Franklin Giles. Summer 2005. “Integrating Managers into Environmental Management Systems” Environmental Quality Management. Volume 14, Number 4.
- Franklin Giles. Winter 2006. “Adding Value to Your Organization through EMS Implementation” Environmental Quality Management. Volume 16, Number 2.
- Franklin Giles. Winter 2008. “Assessing the Effectiveness of your Environmental Management System” Environmental Quality Management. Volume 18, Number 2.
- Franklin E. Giles, 2010. “Factors in Estimating Potential Response Costs of Spills and Releases,” Environmental Claims Journal, 22(1): 27-37, p. 29.
- Franklin Giles and Kirstin Dolan. Autumn 2011. “Common Environmental Management System Gaps – and What to Do About Them” Environmental Quality Management. Volume 21, Number 1.

Appendix C – Site Photographs

PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

Date

1

July 16, 2012

South end of subject building



Photo No.

Date

2

July 16, 2012

West Side of subject building



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

3

Date

July 16, 2012

Northwest corner of subject building



Photo No.

4

Date

July 16, 2012

North end of subject building



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

5

Date

July 16, 2012

Transformer on east side of subject building



Photo No.

6

Date

July 16, 2012

Cooling tower near northeast corner of subject building



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

7

Date

July 16, 2012

Looking north



Photo No.

8

Date

July 16, 2012

Looking east along Marietta Street



PHOTOGRAPHIC LOG

Affinia	Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina	32538
----------------	---	--------------

Photo No. 9	Date July 16, 2012	
Looking southeast		

The photograph shows a residential street intersection. In the foreground, there is a gravel-covered area. A road curves to the right, with a white car and a red car parked on the left side. On the right side of the road, there is a utility structure with various equipment. The background features green trees and a clear sky with some clouds.

Photo No. 10	Date July 16, 2012	
Looking south		

The photograph shows a residential street intersection. In the foreground, there is a gravel-covered area. A road curves to the right, with a white car and a blue car parked on the left side. On the right side of the road, there is a utility structure with various equipment. The background features green trees and a clear sky with some clouds.

PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

11

Date

July 16, 2012

**Looking west toward
Lingerfeldt Elementary
School**



Photo No.

12

Date

July 16, 2012

Returns processing area



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

13

Date

July 16, 2012

Prototyping Shop



Photo No.

14

Date

July 16, 2012

Main floor warehouse area



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

15

Date

July 16, 2012

Basement



Photo No.

16

Date

July 16, 2012

Drum storage room



PHOTOGRAPHIC LOG

Affinia

Wix Dixon Plant, 1525 Marietta, Gastonia, North Carolina

32538

Photo No.

17

Date

July 16, 2012

Out-of-service aboveground storage tanks



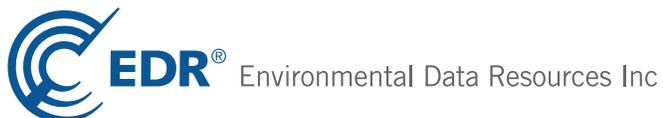
Appendix D – Environmental Database Report

Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 03358208.2r
July 03, 2012

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1525 S. MARIETTA STREET
GASTONIA, NC 28054

COORDINATES

Latitude (North): 35.2407000 - 35° 14' 26.52"
Longitude (West): 81.1904000 - 81° 11' 25.44"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 482676.3
UTM Y (Meters): 3899554.8
Elevation: 849 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 35081-B2 GASTONIA SOUTH, NC
Most Recent Revision: 1996

North Map: 35081-C2 GASTONIA NORTH, NC
Most Recent Revision: 2002

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
WIX CORPORATION 1525 SOUTH MARIETTA STREET GASTONIA, NC 28054	FINDS	N/A

EXECUTIVE SUMMARY

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 Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
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
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

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

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tanks

EXECUTIVE SUMMARY

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

State and tribal registered storage tank lists

AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL..... No Further Action Sites With Land Use Restrictions Monitoring

State and tribal voluntary cleanup sites

VCP..... Responsible Party Voluntary Action Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Center Listing
HIST LF..... Solid Waste Facility Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites

EXECUTIVE SUMMARY

FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Listing
DRYCLEANERS.....	Drycleaning Sites
NPDES.....	NPDES Facility Location Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH.....	Coal Ash Disposal Sites
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
2020 COR ACTION.....	2020 Corrective Action Program List
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/28/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CHEMTURA CORPORATION	214 WEST RUBY AVENUE	NNE 1/4 - 1/2 (0.260 mi.)	C11	32

Federal RCRA generators list

RCRA-SQG: 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/15/2012 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WIX FILTRATION PRODUCTS DIVISO	1601 SOUTH MARIETTA STR	SSW 0 - 1/8 (0.053 mi.)	A4	12

State- and tribal - equivalent NPL

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNIROYAL INC UNIROYAL CHEMICAL		NE 1/8 - 1/4 (0.247 mi.)	0	7

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 03/01/2012 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNIROYAL INC/UNIROYAL CHEMICAL	214 W RUBY AVE	NNE 1/4 - 1/2 (0.260 mi.)	C10	32

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 05/04/2012 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LINGERFELDT ELEMENTARY SCHOOL Incident Phase: Closed Out	1601 MADISON ST	WNW 0 - 1/8 (0.046 mi.)	2	7
JACOB'S FOOD MART Incident Phase: Closed Out	1501 SOUTH MARIETTA ST	E 0 - 1/8 (0.060 mi.)	5	16
HORNER'S SHELL Incident Phase: Follow Up	1614 S YORK ROAD	WNW 1/4 - 1/2 (0.251 mi.)	B8	22
YORK ROAD EXXON Incident Phase: Closed Out	1601 SOUTH YORK ROAD	WNW 1/4 - 1/2 (0.251 mi.)	B9	27
STINES RESIDENCE Incident Phase: Closed Out	117 TAYLOR STREET	SSW 1/4 - 1/2 (0.485 mi.)	12	45

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 04/11/2012 has revealed that there is 1 LUST TRUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STINES RESIDENCE	117 TAYLOR STREET	SSW 1/4 - 1/2 (0.485 mi.)	12	45

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

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 Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 02/03/2012 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LINGERFELDT ELEMENTARY SCHOOL	1601 MADISON ST	WNW 0 - 1/8 (0.046 mi.)	2	7
DANA WIX CORPORATION DIXON PLA	1601 SOUTH MARIETTA STR	SSW 0 - 1/8 (0.053 mi.)	A3	11
JACOB'S FOOD MART	1501 SOUTH MARIETTA ST	E 0 - 1/8 (0.060 mi.)	5	16
JACOBS FUEL MART	1419 S MARIETTA STREET	ENE 1/8 - 1/4 (0.241 mi.)	7	21

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 7 IMD sites within approximately 0.5 miles of the target property.

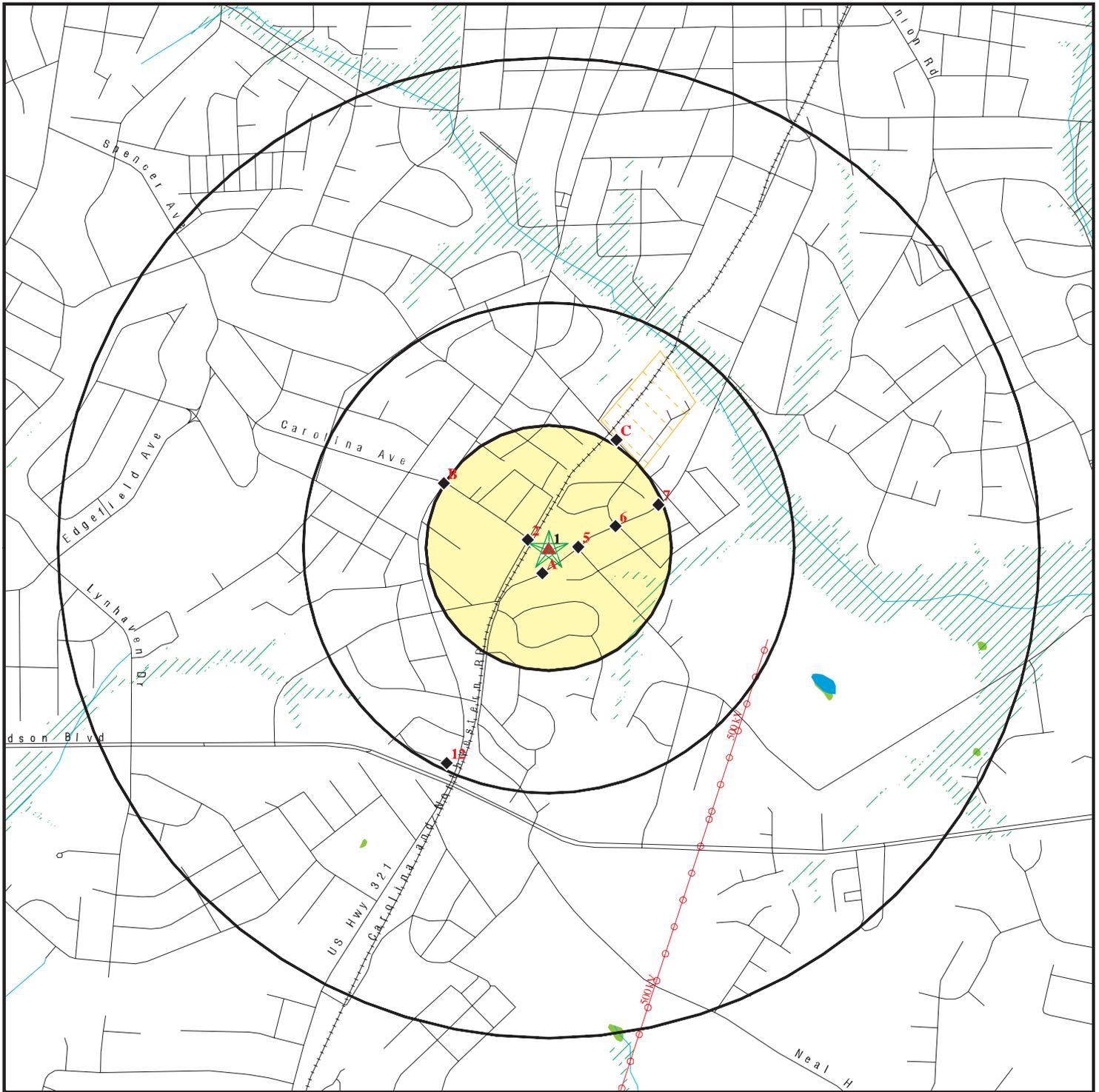
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LINGERFELDT ELEMENTARY SCHOOL	1601 MADISON ST	WNW 0 - 1/8 (0.046 mi.)	2	7
JACOB'S FOOD MART	1501 SOUTH MARIETTA ST	E 0 - 1/8 (0.060 mi.)	5	16
JACOBS FOOD MART	1501 S. MARIETTA STREET	ENE 1/8 - 1/4 (0.144 mi.)	6	20
HORNER'S SHELL	1614 S YORK ROAD	WNW 1/4 - 1/2 (0.251 mi.)	B8	22
YORK ROAD EXXON	1601 SOUTH YORK ROAD	WNW 1/4 - 1/2 (0.251 mi.)	B9	27
CHEMTURA CORPORATION	214 WEST RUBY AVENUE	NNE 1/4 - 1/2 (0.260 mi.)	C11	32
STINES RESIDENCE	117 TAYLOR STREET	SSW 1/4 - 1/2 (0.485 mi.)	12	45

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 25 records.

<u>Site Name</u>	<u>Database(s)</u>
IMPACT PLASTICS	IMD, LAST
UNITED OIL TANKER SPILL	LAST
KEENER RESIDENCE	IMD, LAST
DIXIE VILLAGE SOLVENTS	HWS, LAST, IMD
STATELINE SCRAP METHAL	LAST
SERVCO NO. 2011 / CARSON RD.	IMD, LAST
DELTA MILLS-FORMER RAGAN LDFL	HWS
BIGGERSTAFF LDFL	CERCLIS-NFRAP
LEE'S MOTOR WORKS	CERCLIS-NFRAP
THE 321 PANTRY	IMD, LUST
CR PRECISION SEALS	IMD, LUST
W.T. BARLOWE	LUST
GATE STATION #402	LUST TRUST
SPENCER MOUNTAIN UNION 76	UST
CAROLINA TEXTILE SALES/GASTONIA	UST
	UST
SOUTH GASTONIA VFD	UST
PETTY MACHINE CO.	UST
GILLILAND'S PLACE	UST
SAUNDERS SYSTEM, INC.	UST
J.S. PIERCE	UST
UNKNOWN - OUR #56-8805-105	UST
CROWDER CREEK WASTEWATER PLANT	UST
SMITH WELL & PETTY MACHINE COM	IMD
A B CARTER INC	MANIFEST

OVERVIEW MAP - 03358208.2r



★ Target Property

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

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

⚡ Power transmission lines

⚡ Oil & Gas pipelines from USGS

▨ 100-year flood zone

▨ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

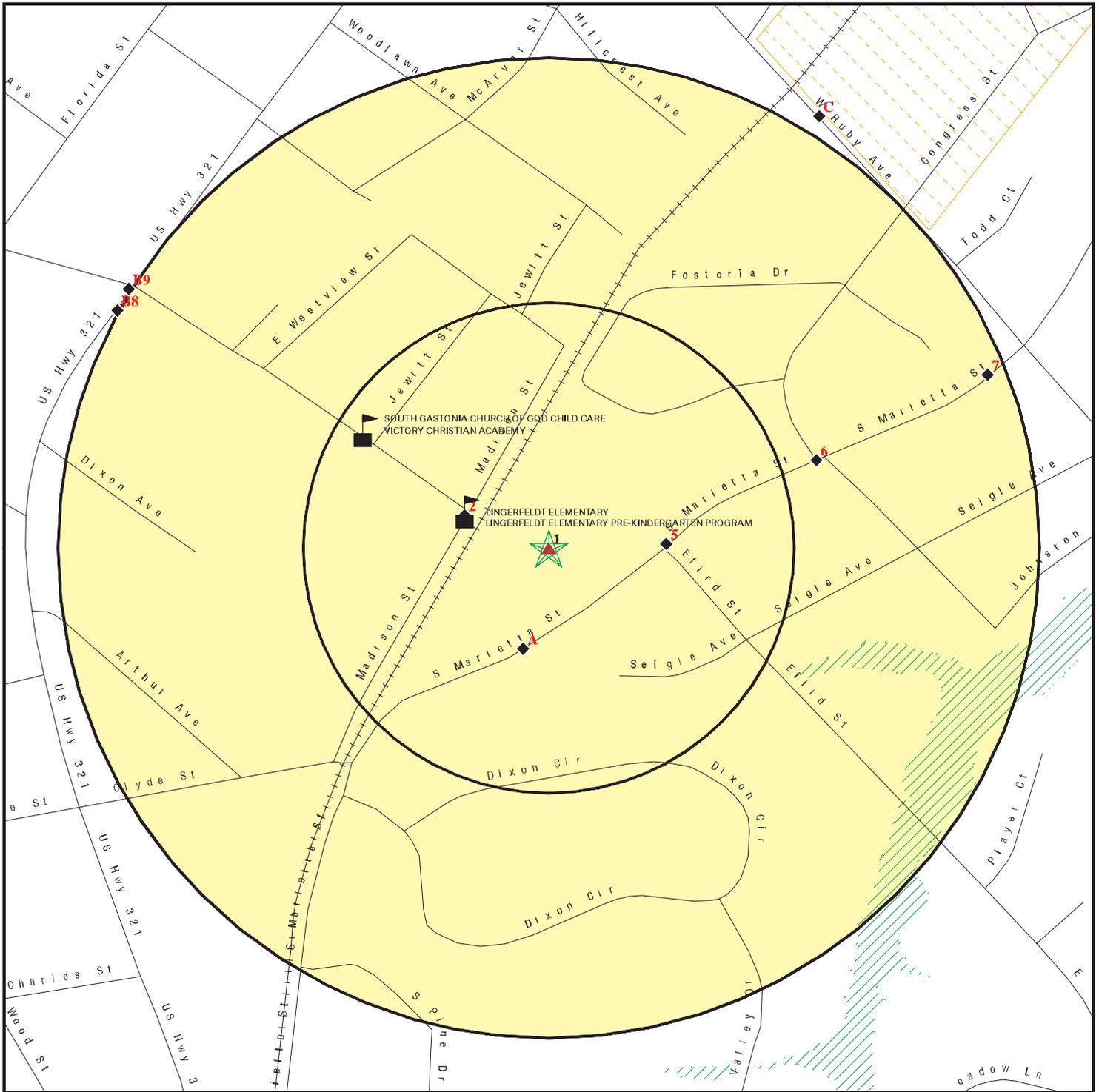
■ Hazardous Substance Disposal Sites

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: Wix Filtration
 ADDRESS: 1525 S. Marietta Street
 Gastonia NC 28054
 LAT/LONG: 35.2407 / 81.1904

CLIENT: WSP Environment & Energy
 CONTACT: Frank Giles
 INQUIRY #: 03358208.2r
 DATE: July 03, 2012 1:06 pm

DETAIL MAP - 03358208.2r



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

- 🏠 Indian Reservations BIA
- 🛞 Oil & Gas pipelines from USGS
- 🌊 100-year flood zone
- 🌊 500-year flood zone

- 🗑 Hazardous Substance Disposal Sites



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: Wix Filtration
ADDRESS: 1525 S. Marietta Street
 Gastonia NC 28054
LAT/LONG: 35.2407 / 81.1904

CLIENT: WSP Environment & Energy
CONTACT: Frank Giles
INQUIRY #: 03358208.2r
DATE: July 03, 2012 1:08 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
NC HSDS	1.000		0	1	0	0	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	1	0	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		2	0	3	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST	0.500		0	0	1	NR	NR	1
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		3	1	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
IMD	0.500		2	1	4	NR	NR	7
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	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

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000		0	0	0	0	NR	0
-------------------------	-------	--	---	---	---	---	----	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
Target
Property

WIX CORPORATION
1525 SOUTH MARIETTA STREET
GASTONIA, NC 28054

FINDS **1007699188**
N/A

FINDS:

Actual:
849 ft.

Registry ID: 110018557756

Environmental Interest/Information System
NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

HSDS
Region
NE
1/8-1/4
1304 ft.

UNIROYAL INC UNIROYAL CHEMICAL
, NC

NC HSDS **S102442749**
N/A

Google Earth pegs the lat long 0.24 miles NW of subject property

HSDS:

Site Type: Federal
Superfund ID: 003 164 464
Lat/Long: 35 14 41.539304 81 11 12.342042
Total area in coverage units: 58530.8007813
Total perimeter in coverage units: 992.89971923
X-value coordinate in feet: 1347140.25
Y-value coordinate in feet: 551223.4375
Sites designated as superfund cleanup sites: 644
Length of feature in internal units: 992.899614447
Area of feature in internal units squared: 58530.7960722

2
WNW
< 1/8
0.046 mi.
243 ft.

LINGERFELDT ELEMENTARY SCHOOL
1601 MADISON ST
GASTONIA, NC 28052

IMD **U001205634**
LUST **N/A**
UST
FINANCIAL ASSURANCE

Relative:
Lower

IMD:

Region: MOR
Facility ID: 20213
Date Occurred: 4/7/1999
Submit Date: 7/6/1999
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: 100 PPM TPH DETECTED DURING UST CLOSURE
Operator: SHERRON PHILEMON
Contact Phone: 704-866-6266
Owner Company: GASTON COUNTY SCHOOLS
Operator Address: POB 1397
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 280531397
Ownership: Municipal
Operation: Educational/Religious
Material: HEATING OIL

Actual:
825 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LINGERFELDT ELEMENTARY SCHOOL (Continued)

U001205634

Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 7/14/1999
Dem Contact: BCN
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.24138888
Longitude: -81.34222222
Latitude Number: 351429
Longitude Number: 812032
Latitude Decimal: 35.2413888888889
Longitude Decimal: 81.3422222222222
GPS: NOD
Agency: DWM
Facility ID: 20213
Last Modified: 12/6/1999
Incident Phase: Closed Out
NOV Issued: 11/29/1999
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:

Facility ID: 0-031091
UST Number: MO-5746
Incident Number: 20213
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 06/30/1999
Date Occur: 04/07/1999
Cleanup: 04/07/1999
Closure Request: Not reported
Close Out: 01/18/2000
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LINGERFELDT ELEMENTARY SCHOOL (Continued)

U001205634

Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: 11/29/1999
NORR Issue Date: 07/16/1999
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: Not reported
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: Not reported
RPL: False
CD Num: 82
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 14 25.62 81 11 32.82
Lat/Long Decimal: 35.2404 81.19246
Testlat: Not reported
Regional Officer Project Mgr: BCN
Region: Mooresville
Company: GASTON COUNTY SCHOOLS
Contact Person: SHERRON PHILEMON
Telephone: 704-866-6266
RP Address: POB 1397
RP City,St,Zip: GASTONIA, NC 280531397
RP County: GS
Comments: Not reported
5 Min Quad: R70B

PIRF:
Facility Id: 20213
Date Occurred: 4/7/1999
Date Reported: 7/6/1999
Description Of Incident: 100 PPM TPH DETECTED DURING UST CLOSURE
Owner/Operator: GASTON CO. SCHOOLS
Ownership: 1
Operation Type: 4
Type: 4
Location: 1
Site Priority: Not reported
Priority Update: 7/14/1999
Wells Affected Y/N: Not reported
Samples Include: Not reported
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LINGERFELDT ELEMENTARY SCHOOL (Continued)

U001205634

Source Code: MIN_SOIL
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 12/6/1999
Incident Phase: Closed Out
NOV Issued: 11/29/1999
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

UST:

Contact: GASTON COUNTY SCHOOLS
Contact Address1: PO BOX 1397-J HARRELSON-MAINT
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28053-1397
Installed Date: 01/01/1964
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Heating Oil/Fuel
Tank Status: Removed
Tank Capacity: 10000
Perm Close Date: 04/07/1999
Commercial: Yes
Regulated: No
Product Key: 6
Tank Construction: Concrete
Piping Construction: Aluminum
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

NC FINANCIAL ASSURANCE 1:

Facility ID: 0-031091
Region: 1
Financial Responsibility Code: Not reported
Financial Responsibility Desc: STATE FUND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
SSW
< 1/8
0.053 mi.
280 ft.

DANA WIX CORPORATION DIXON PLANT
1601 SOUTH MARIETTA STREET
GASTONIA, NC 28052

UST U003136491
N/A

Site 1 of 2 in cluster A

Relative:
Lower

UST:

Actual:
809 ft.

Contact: DANA WIX CORPORATION DIXON PLANT
Contact Address1: 1601 S MARIETTA ST ATTN MARK LOW
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28052
Installed Date: 03/09/1962
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Fuel Oil
Tank Status: Removed
Tank Capacity: 8000
Perm Close Date: 06/01/1980
Commercial: Yes
Regulated: No
Product Key: 2
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 03/09/1962
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Fuel Oil
Tank Status: Removed
Tank Capacity: 30000
Perm Close Date: 06/11/1999
Commercial: Yes
Regulated: No
Product Key: 2
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
SSW
< 1/8
0.053 mi.
280 ft.

WIX FILTRATION PRODUCTS DIVISON/DANA CORPORATION
1601 SOUTH MARIETTA STREET
GASTONIA, NC 28054

RCRA-SQG 1000108888
FINDS NCD980558829

Site 2 of 2 in cluster A

**Relative:
Lower**

RCRA-SQG:

Date form received by agency: 01/12/2012

Facility name: WIX FILTRATION CORP - DIXON FACILITY

Facility address: 1601 S MARIETTA ST
GASTONIA, NC 28054

EPA ID: NCD980558829

Mailing address: PO BOX 1902
GASTONIA, NC 28054

Contact: CARRIE NGUYEN

Contact address: PO BOX 1902
GASTONIA, NC 28054

Contact country: US

Contact telephone: 704-869-3700

Telephone ext.: 3718

Contact email: CARRIE.NGUYEN@AFFINIAGROUP.COM

EPA Region: 04

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: AFFINIA GROUP INC
Owner/operator address: WIX WAY
GASTONIA, NC 28054

Owner/operator country: US
Owner/operator telephone: 704-864-6711

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/01/2004

Owner/Op end date: Not reported

Owner/operator name: AFFINIA GROUP INC
Owner/operator address: WIX WAY
GASTONIA, NC 28054

Owner/operator country: US
Owner/operator telephone: 704-864-6711

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/01/2004

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIX FILTRATION PRODUCTS DIVISON/DANA CORPORATION (Continued)

1000108888

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

Historical Generators:

Date form received by agency: 08/17/2009
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/31/2008
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Site name: WIX FILTRATION PRODUCTS DIV - DIXON PLT
Classification: Small Quantity Generator

Date form received by agency: 01/15/2004
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Site name: WIX FILTRATION PRODUCTS DIV - DIXON PLT
Classification: Small Quantity Generator

Date form received by agency: 02/07/2002
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Site name: WIX FILTRATION PRODUCTS DIV - DIXON PLT
Classification: Small Quantity Generator

Date form received by agency: 08/31/2001
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Site name: WIX CORP DIXON FACILITY
Classification: Small Quantity Generator

Date form received by agency: 12/09/1998
Facility name: WIX FILTRATION CORP - DIXON FACILITY
Site name: WIX CORP DIXON FACILITY
Classification: Small Quantity Generator

Hazardous Waste Summary:

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 PENSKEY-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: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIX FILTRATION PRODUCTS DIVISON/DANA CORPORATION (Continued)

1000108888

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 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.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.34(c)(1)(i)(d)(5)(ii)
Area of violation: Generators - Pre-transport
Date violation determined: 10/12/1995
Date achieved compliance: 11/13/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/12/1995
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

Regulation violated: SR - 268.7(a)(7)
Area of violation: LDR - General
Date violation determined: 10/12/1995
Date achieved compliance: 11/13/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/12/1995
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: 11/13/1995
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: LDR - General
Date achieved compliance: 11/13/1995
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIX FILTRATION PRODUCTS DIVISON/DANA CORPORATION (Continued)

1000108888

Evaluation date: 11/13/1995
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/13/1995
Evaluation lead agency: State

Evaluation date: 10/12/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/13/1995
Evaluation lead agency: State

Evaluation date: 10/12/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 11/13/1995
Evaluation lead agency: State

FINDS:

Registry ID: 110001494561

Environmental Interest/Information System

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

HAZARDOUS WASTE BIENNIAL REPORTER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

5
East
< 1/8
0.060 mi.
316 ft.

JACOB'S FOOD MART
1501 SOUTH MARIETTA ST
GASTONIA, NC 28052

IMD U003144910
LUST N/A
UST
FINANCIAL ASSURANCE

Relative:
Lower

IMD:

Actual:
803 ft.

Region: MOR
Facility ID: 18237
Date Occurred: 1/14/1998
Submit Date: 2/9/1998
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: DURING TANK CLOSURE, SOIL CONTAM. WAS DOUCMENTED.
Operator: LEWIS EFIRD
Contact Phone: Not reported
Owner Company: UNITED OIL CO. OF CAROLINAS
Operator Address:P.O. BOX 68
Operator City: GASTONIA
Oper City,St,Zip: GASTONIA, NC 28053
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: CBC
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: R870B
Latitude: 35.24166666
Longitude: -81.18805555
Latitude Number: 351430
Longitude Number: 811117
Latitude Decimal: 35.2416666666667
Longitude Decimal: 81.1880555555556
GPS: 7
Agency: DWM
Facility ID: 18237
Last Modified: 6/25/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: 2/8/1999
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACOB'S FOOD MART (Continued)

U003144910

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 6/25/1999

LUST:

Facility ID: 0-016588
UST Number: MO-5272
Incident Number: 18237
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 02/09/1998
Date Occur: 01/14/1998
Cleanup: 02/09/1998
Closure Request: Not reported
Close Out: 06/25/1999
Level Of Soil Cleanup Achieved: Industrial/Commercial
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to alternate standards
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 14 27.72 81 11 21.54
Lat/Long Decimal: 35.2410 81.18932
Testlat: Not reported
Regional Officer Project Mgr: CBC
Region: Mooresville
Company: UNITED OIL CO. OF CAROLINAS
Contact Person: LEWIS EFIRD
Telephone: Not reported
RP Address: P.O. BOX 68
RP City,St,Zip: GASTONIA, NC 28053

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACOB'S FOOD MART (Continued)

U003144910

RP County: GASTO
Comments: NO DOCUMENTATION OF PUBLIC NOTICE DONE. FILE ADDRESS OF 1501 S. MARIETTA IS INCORRECT.
5 Min Quad: Not reported

PIRF:

Facility Id: 18237
Date Occurred: 1/14/1998
Date Reported: 2/9/1998
Description Of Incident: DURING TANK CLOSURE, SOIL CONTAM. WAS DOUCMENTED.
Owner/Operator: LEWIS EFIRD
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: 3
5 Minute Quad: 2
Pirf/Min Soil: Not reported
Release Code: R870B
Source Code: Pirf
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 6/25/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: 2/8/1999
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 6/25/1999

UST:

Contact: UNITED OIL OF THE CAROLINAS INC
Contact Address1: PO BOX 68, 2758 EAST OZARK AVE
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28054-0068
Installed Date: 05/07/1980
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 01/14/1998
Commercial: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACOB'S FOOD MART (Continued)

U003144910

Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/07/1980
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 01/14/1998
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/07/1980
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 01/14/1998
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

NC FINANCIAL ASSURANCE 1:

Facility ID: 0-016588
Region: 1
Financial Responsibility Code: Not reported
Financial Responsibility Desc: SELF-INSURED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

6
ENE
1/8-1/4
0.144 mi.
758 ft.

JACOBS FOOD MART
1501 S. MARIETTA STREET
GASTO (County), NC

IMD S105764822
N/A

Relative:
Lower

IMD:

Actual:
795 ft.

Region: MOR
Facility ID: 18337
Date Occurred: 1/14/1998
Submit Date: 3/5/1998
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: UPON REMOVAL OF 6 USTS, GW CONTAM. WAS CONFIRMED.
Operator: LEWIS EFIRD
Contact Phone: 704-824-3561
Owner Company: GASTONIA UNITED OIL
Operator Address: PO BOX 68
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28054
Ownership: Military
Operation: Industrial
Material: WASTE OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Industrial
Risk Site: L
Site Priority: 60E
Priority Code: E
Priority Update: Not reported
Dem Contact: BCN
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: Y24
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 18337
Last Modified: 2/28/2001
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACOBS FOOD MART (Continued)

S105764822

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 2/6/2001

7
ENE
1/8-1/4
0.241 mi.
1270 ft.

JACOBS FUEL MART
1419 S MARIETTA STREET
GASTONIA, NC 28054

UST U003766247
FINANCIAL ASSURANCE N/A

Relative:
Lower

UST:

Contact: DELANNIE S BARADARAN DBA JACOBS
Contact Address1: 1419 S MARIETTA STREET
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28054-5404
Installed Date: 06/07/2001
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: 0
Product Name: Diesel
Tank Status: Current
Tank Capacity: 6000
Perm Close Date: Not reported
Commercial: Yes
Regulated: Yes
Product Key: 1
Tank Construction: Unknown
Piping Construction: 0
Piping System Key: 3
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Actual:
766 ft.

Installed Date: 06/07/2001
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: 0
Product Name: Gasoline, Gas Mix
Tank Status: Current
Tank Capacity: 8000
Perm Close Date: Not reported
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Unknown
Piping Construction: 0
Piping System Key: 3
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 06/07/2001
Root Tank Id: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACOBS FUEL MART (Continued)

U003766247

Main Tank: 0
Compartment Tank: 0
Manifold Tank: 0
Product Name: Gasoline, Aviation
Tank Status: Current
Tank Capacity: 2000
Perm Close Date: Not reported
Commercial: Yes
Regulated: Yes
Product Key: 4
Tank Construction: Unknown
Piping Construction: 0
Piping System Key: 4
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 06/07/2001
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: 0
Product Name: Gasoline, Gas Mix
Tank Status: Current
Tank Capacity: 12000
Perm Close Date: Not reported
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Unknown
Piping Construction: 0
Piping System Key: 3
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

NC FINANCIAL ASSURANCE 1:

Facility ID: 0-036310
Region: 1
Financial Responsibility Code: F
Financial Responsibility Desc: SELF/STATE

B8
WNW
1/4-1/2
0.251 mi.
1325 ft.

HORNER'S SHELL
1614 S YORK ROAD
GASTONIA, NC 28052
Site 1 of 2 in cluster B

IMD **U003144912**
LUST **N/A**
UST

Relative:
Lower

IMD:
Region: MOR
Facility ID: 23252
Date Occurred: 4/24/2001
Submit Date: 6/5/2001
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes

Actual:
803 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORNER'S SHELL (Continued)

U003144912

Incident Desc: SOIL CONTAMINATION DISCOVERED DURING UST CLOSURE
Operator: JEROME MCGROARTY
Contact Phone: 7043588448
Owner Company: JR ASSOCIATES
Operator Address:1815 CHESNUT AVE
Operator City: CHARLOTTE
Oper City,St,Zip: CHARLOTTE, NC 28205
Ownership: Private
Operation: Commercial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: Unknown
Site Priority: U
Priority Code: Not reported
Priority Update: 6/5/2001
Dem Contact: BCN
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.24138888
Longitude: -81.19444444
Latitude Number: 351429
Longitude Number: 811140
Latitude Decimal: 35.2413888888889
Longitude Decimal: 81.1944444444444
GPS: NOD
Agency: DWM
Facility ID: 23252
Last Modified: 11/6/2001
Incident Phase: Follow Up
NOV Issued: 10/19/2001
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:

Facility ID: 0-016614
UST Number: MO-6137
Incident Number: 23252
Contamination Type: Soil
Source Type: Leak-underground

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORNER'S SHELL (Continued)

U003144912

Product Type: PETROLEUM
Date Reported: 04/25/2001
Date Occur: 04/24/2001
Cleanup: 04/24/2001
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: I
Risk Class Based On Review: I
Corrective Action Plan Type: Not reported
NOV Issue Date: 10/19/2001
NORR Issue Date: 06/01/2001
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Gross contaminant levels
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 14 29.28 81 11 40.92
Lat/Long Decimal: 35.2414 81.19471
Testlat: Not reported
Regional Officer Project Mgr: BCN
Region: Mooresville
Company: JR ASSOCIATES
Contact Person: JEROME MCGROARTY
Telephone: 7043588448
RP Address: 1815 CHESNUT AVE
RP City,St,Zip: CHARLOTTE, NC 28205
RP County: Not reported
Comments: (UK Coor 35.1429 81.1140) referred to stf on 6/3/09
5 Min Quad: Not reported

PIRF:

Facility Id: 23252
Date Occurred: 4/24/2001
Date Reported: 6/5/2001
Description Of Incident: SOIL CONTAMINATION DISCOVERED DURING UST CLOSURE
Owner/Operator: JEROME MCGROARTY
Ownership: 4
Operation Type: 6

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORNER'S SHELL (Continued)

U003144912

Type: 3
Location: 1
Site Priority: U
Priority Update: 6/5/2001
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: Not reported
Source: A
Ust Number: A

Last Modified: 11/6/2001
Incident Phase: Follow Up
NOV Issued: 10/19/2001
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

UST:

Contact: J R ASSOCIATES
Contact Address1: 229 N. CHURCH ST. SUITE 400
Contact Address2: Not reported
Contact City/State/Zip: CHARLOTTE, NC 28202-2261
Installed Date: 05/12/1963
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Oil, New/Used/Mix
Tank Status: Removed
Tank Capacity: 550
Perm Close Date: 04/25/2001
Commercial: Yes
Regulated: Yes
Product Key: 14
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.2416
Longitude: -81.1949

Installed Date: 05/12/1963
Root Tank Id: Not reported
Main Tank: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORNER'S SHELL (Continued)

U003144912

Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 4000
Perm Close Date: 04/25/2001
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.2416
Longitude: -81.1949

Installed Date: 05/08/1976
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 04/25/2001
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.2416
Longitude: -81.1949

Installed Date: 01/01/1964
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Oil, New/Used/Mix
Tank Status: Removed
Tank Capacity: 2000
Perm Close Date: 04/25/2001
Commercial: Yes
Regulated: Yes
Product Key: 14
Tank Construction: 7
Piping Construction: 11
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.2416
Longitude: -81.1949

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HORNER'S SHELL (Continued)

U003144912

Installed Date: 05/12/1963
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 4000
Perm Close Date: 04/25/2001
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.2416
Longitude: -81.1949

B9
WNW
1/4-1/2
0.251 mi.
1327 ft.

YORK ROAD EXXON
1601 SOUTH YORK ROAD
GASTONIA, NC 28052

Site 2 of 2 in cluster B

IMD U003144700
LUST N/A
UST

Relative:
Lower

IMD:

Actual:
795 ft.

Region: MOR
Facility ID: 12172
Date Occurred: Not reported
Submit Date: 5/28/1994
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL CONTAINATION FOUND DURING TANK REMOVAL.
Operator: R.E. CAMPBELL (STF)
Contact Phone: Not reported
Owner Company: PATTERSON-CAMPBELL OIL CO
Operator Address: 1011 ROBIN LANE
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28056
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: KEROSENE
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: FTF
Wells Affected: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YORK ROAD EXXON (Continued)

U003144700

Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: R70B
Latitude: 35.24222222
Longitude: -81.19305555
Latitude Number: 351432
Longitude Number: 811135
Latitude Decimal: 35.242222222222
Longitude Decimal: 81.193055555556
GPS: 3
Agency: DWM
Facility ID: 12172
Last Modified: 8/27/2001
Incident Phase: Follow Up
NOV Issued: 8/15/2001
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:

Facility ID: 0-015335
UST Number: MO-4089
Incident Number: 12172
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 01/18/1994
Date Occur: Not reported
Cleanup: 01/18/1994
Closure Request: Not reported
Close Out: 01/08/2007
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: E
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: Not reported
MTBE1: Unknown
Flag: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YORK ROAD EXXON (Continued)

U003144700

Flag1: No
LUR Filed: 12/11/2006
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 14 32.1 81 11 35.22
Lat/Long Decimal: 35.2422 81.19311
Testlat: Not reported
Regional Officer Project Mgr: FTF
Region: Mooresville
Company: PATTERSON-CAMPBELL OIL CO
Contact Person: R.E. CAMPBELL (STF)
Telephone: Not reported
RP Address: 1011 ROBIN LANE
RP City,St,Zip: GASTONIA, NC 28056
RP County: Not reported
Comments: Not reported
5 Min Quad: R70B

PIRF:

Facility Id: 12172
Date Occurred: 12/22/1994
Date Reported: 5/28/1994
Description Of Incident: SOIL CONTAINATION FOUND DURING TANK REMOVAL.
Owner/Operator: R.E. CAMPBELL (STF)
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: E
Priority Update: 5/30/1998
Wells Affected Y/N: N
Samples Include: 0
7#5 Minute Quad: 3
5 Minute Quad: 2
Pirf/Min Soil: Not reported
Release Code: R70B
Source Code: Pirf
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 1/8/2007
Incident Phase: Closed Out
NOV Issued: 8/15/2001
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YORK ROAD EXXON (Continued)

U003144700

Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

UST:

Contact: PATTERSON-CAMPBELL OIL CO.
Contact Address1: 738 N. MARIETTA ST./P.O. BOX 567
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28052
Installed Date: 05/14/1956
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 2000
Perm Close Date: 08/20/1993
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/14/1956
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Diesel
Tank Status: Removed
Tank Capacity: 550
Perm Close Date: 08/20/1993
Commercial: Yes
Regulated: Yes
Product Key: 1
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/14/1956
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YORK ROAD EXXON (Continued)

U003144700

Product Name: Oil, New/Used/Mix
Tank Status: Removed
Tank Capacity: 550
Perm Close Date: 08/20/1993
Commercial: Yes
Regulated: Yes
Product Key: 14
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/14/1956
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 08/20/1993
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/14/1956
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Gasoline, Gas Mix
Tank Status: Removed
Tank Capacity: 6000
Perm Close Date: 08/20/1993
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

C10 NNE 1/4-1/2 0.260 mi. 1372 ft.	UNIROYAL INC/UNIROYAL CHEMICAL 214 W RUBY AVE GASTONIA, NC Site 1 of 2 in cluster C	SHWS	S103554618 N/A
---	--	-------------	---------------------------------

Relative: Lower Actual: 776 ft.	SHWS: Facility ID: NCD003164464 Lat/Longitude: 35.255885212 / -81.186761678 Geolocation Method: HARD COPY MAP
--	---

C11 NNE 1/4-1/2 0.260 mi. 1372 ft.	CHEMTURA CORPORATION 214 WEST RUBY AVENUE GASTONIA, NC 28054 Site 2 of 2 in cluster C	CERC-NFRAP RCRA-LQG FINDS IMD	1000368404 NCD003164464
---	--	--	--

Relative: Lower Actual: 776 ft.	CERC-NFRAP: Site ID: 0402617 Federal Facility: Not a Federal Facility NPL Status: Not on the NPL Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information
--	---

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	4308977.00000
Person ID:	4270042.00000
Contact Sequence ID:	4356846.00000
Person ID:	4000084.00000
Contact Sequence ID:	4368371.00000
Person ID:	4270039.00000
Contact Sequence ID:	4428874.00000
Person ID:	4000312.00000
Contact Sequence ID:	4429790.00000
Person ID:	4000508.00000
Contact Sequence ID:	4537624.00000
Person ID:	4000533.00000
Contact Sequence ID:	4703012.00000
Person ID:	4000308.00000
Contact Sequence ID:	4757566.00000
Person ID:	4000275.00000
Contact Sequence ID:	4781742.00000
Person ID:	13002428.00000
Contact Sequence ID:	4831073.00000
Person ID:	4270104.00000
Contact Sequence ID:	13094485.00000
Person ID:	4272610.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	UNIROYAL INC UNIROYAL CHEMICAL DIV
-------------	------------------------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Alias Address: Not reported
GASTON, NC

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 07/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 02/01/1985
Priority Level: Low priority for further assessment

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 06/24/1991
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/19/1994
Priority Level: Not reported

RCRA-LQG:

Date form received by agency: 03/22/2010
Facility name: CHEMTURA CORPORATION
Facility address: 214 WEST RUBY AVENUE
GASTONIA, NC 28054
EPA ID: NCD003164464
Mailing address: WEST RUBY AVENUE
GASTONIA, NC 28054
Contact: STEPHEN R MCCARTHY
Contact address: WEST RUBY AVENUE
GASTONIA, NC 28054
Contact country: US
Contact telephone: (704) 868-7206
Contact email: STEPHEN.MCCARTHY@CHEMTURA.COM
EPA Region: 04
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg 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; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; 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 more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CHEMTURA CORPORATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/2005
Owner/Op end date: Not reported

Owner/operator name: CHEMTURA CORPORATION
Owner/operator address: BESON ROAD
MIDDLEBURY, CT 06749

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/2005
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
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

Historical Generators:

Date form received by agency: 02/19/2009
Facility name: CHEMTURA CORPORATION
Site name: CHEMTURA CORP
Classification: Large Quantity Generator

Date form received by agency: 02/27/2008
Facility name: CHEMTURA CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 01/02/2007
Facility name: CHEMTURA CORPORATION
Site name: CHEMTURA CORP
Classification: Large Quantity Generator

Date form received by agency: 04/25/2006
Facility name: CHEMTURA CORPORATION
Site name: CROMPTON MANUFACTURING CO., INC.
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Date form received by agency: 03/01/2004
Facility name: CHEMTURA CORPORATION
Site name: CROMPTON MANUFACTURING CO. INC.
Classification: Large Quantity Generator

Date form received by agency: 01/04/2002
Facility name: CHEMTURA CORPORATION
Site name: CROMPTON MANUFACTURING CO
Classification: Large Quantity Generator

Date form received by agency: 02/15/2001
Facility name: CHEMTURA CORPORATION
Site name: CROMPTON MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 01/11/2000
Facility name: CHEMTURA CORPORATION
Site name: UNIROYAL CHEMICAL CO
Classification: Large Quantity Generator

Date form received by agency: 11/13/1998
Facility name: CHEMTURA CORPORATION
Site name: UNIROYAL CHEMICAL CO
Classification: Large Quantity Generator

Date form received by agency: 10/02/1997
Facility name: CHEMTURA CORPORATION
Site name: CROMPTON MFG CO INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994
Facility name: CHEMTURA CORPORATION
Site name: UNIROYAL CHEMICAL CO.
Classification: Large Quantity Generator

Hazardous Waste Summary:

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: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

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CHEMTURA CORPORATION (Continued)

1000368404

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: 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 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.

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

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 PENSKEY-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.

Amount (Lbs): 9014

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.

Amount (Lbs): 1508

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Amount (Lbs): OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
2608

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.

Amount (Lbs): 14409

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 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.

Amount (Lbs): 14409

Waste code: U223
Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)
Amount (Lbs): 1100

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 10/13/2011
Date achieved compliance: 11/28/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/28/2011
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 10/13/2011
Date achieved compliance: 11/28/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/28/2011
Enforcement lead agency: State
Proposed penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/13/2011
Date achieved compliance: 11/28/2011
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/01/2011
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/28/2011
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 10/02/2008
Date achieved compliance: 11/03/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/03/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/02/2008
Date achieved compliance: 11/03/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/03/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Preparedness and Prevention
Date violation determined: 10/02/2008
Date achieved compliance: 11/03/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/03/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-General Facility Standards
Date violation determined: 10/02/2008
Date achieved compliance: 11/03/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/2008
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/03/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.34(a)(4) SUBPART D,
Area of violation: Generators - General
Date violation determined: 10/05/1992
Date achieved compliance: 11/05/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/05/1992
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

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/15/1990
Date achieved compliance: 01/15/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/15/1990
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: 11/28/2011
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/13/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/28/2011
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Evaluation date: 10/13/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 11/28/2011
Evaluation lead agency: State

Evaluation date: 10/13/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 11/28/2011
Evaluation lead agency: State

Evaluation date: 04/06/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/02/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2008
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/02/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 11/03/2008
Evaluation lead agency: State

Evaluation date: 10/02/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Preparedness and Prevention
Date achieved compliance: 11/03/2008
Evaluation lead agency: State

Evaluation date: 10/02/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 11/03/2008
Evaluation lead agency: State

Evaluation date: 10/02/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/03/2008
Evaluation lead agency: State

Evaluation date: 12/12/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/16/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/13/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/05/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/10/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/02/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/22/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Evaluation date:	11/05/1992
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Generators - General
Date achieved compliance:	11/05/1992
Evaluation lead agency:	State
Evaluation date:	10/05/1992
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	11/05/1992
Evaluation lead agency:	State
Evaluation date:	12/22/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/15/1991
Evaluation:	COMPLIANCE SCHEDULE EVALUATION
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/15/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	01/15/1991
Evaluation lead agency:	State
Evaluation date:	10/11/1989
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/09/1988
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	10/26/1987
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	11/12/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	05/07/1986
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
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CHEMTURA CORPORATION (Continued)

1000368404

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/06/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/07/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110000348259

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

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

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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CHEMTURA CORPORATION (Continued)

1000368404

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

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 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.

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

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

IMD:

Region: MOR
Facility ID: 86057
Date Occurred: 1/15/2002
Submit Date: 1/15/2002
GW Contam: No data entered (data entry person submitted a blank field)
Soil Contam: Not reported
Incident Desc: NO FILE AT MRO. INACTIVE HAZ WASTE SITE, CONTACT DWM IN RALEIGH FOR ADDITIONAL INFO.
Operator: ,
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: Not reported
Operator City: Not reported
Oper City,St,Zip: Not reported
Ownership: Not Reported
Operation: Not Reported
Material: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEMTURA CORPORATION (Continued)

1000368404

Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: NOD
Priority Update: Not reported
Dem Contact: DWM
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.243333
Longitude: -81.1875
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 86057
Last Modified: 1/15/2002
Incident Phase: NOD
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

12
SSW
1/4-1/2
0.485 mi.
2563 ft.

**STINES RESIDENCE
117 TAYLOR STREET
GASTONIA, NC**

IMD S102869086
LUST N/A
LUST TRUST

Relative:
Lower

IMD:

Region: MOR
Facility ID: 17882
Date Occurred: 7/16/1997
Submit Date: 10/13/1997
GW Contam: Not reported
Soil Contam: Not reported
Incident Desc: SOIL CONTAM. DISCOVERED AROUND 550 GAL HOME HEATING OIL UST; 170 PPM(3550); 870PPM (5030)
Operator: EARNEST STINES
Contact Phone: 704-865-3678

Actual:
841 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STINES RESIDENCE (Continued)

S102869086

Owner Company: Not reported
Operator Address:117 TAYLOR STREET
Operator City: GASTONIA
Oper City,St,Zip: GASTONIA, NC 28052
Ownership: Private
Operation: Residential
Material: HEATING OIL
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Heating Oil
Location: Residence
Setting: Residential
Risk Site: No
Site Priority: B
Priority Code: B
Priority Update: Not reported
Dem Contact: JULIE BERREY
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: Not reported
Facility ID: 17882
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: MOR
Facility ID: 18184
Date Occurred: 7/16/1997
Submit Date: 10/13/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL CONTAMINATION DISCOVERED AROUND A 500-GAL HOME HEATING OIL UST;
170 PPM(3550), 870 PPM(5030)
Operator: EARNEST STINES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STINES RESIDENCE (Continued)

S102869086

Contact Phone: 704-865-3678
Owner Company: Not reported
Operator Address: 117 TAYLOR STREET
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28052
Ownership: Private
Operation: Residential
Material: HEATING OIL
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Residential
Risk Site: H
Site Priority: B
Priority Code: H
Priority Update: 5/30/1998
Dem Contact: DSG
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: NOD
Agency: DWM
Facility ID: 18184
Last Modified: 2/17/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: 4/14/1998
Close-out Report: 4/15/1998

LUST:

Facility ID: Not reported
UST Number: MO-5260
Incident Number: 18184
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 07/16/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STINES RESIDENCE (Continued)

S102869086

Date Occur: 07/16/1997
Cleanup: 07/16/1997
Closure Request: 1998-04-14 00:00:00
Close Out: 04/15/1998
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: H
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: B
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: Not reported
MTBE1: Unknown
Flag: Yes
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 65
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 14 4.02 81 11 42.36
Lat/Long Decimal: 35.2344 81.19511
Testlat: Not reported
Regional Officer Project Mgr: DSG
Region: Mooresville
Company: Not reported
Contact Person: EARNEST STINES
Telephone: 704-865-3678
RP Address: 117 TAYLOR STREET
RP City,St,Zip: GASTONIA, NC 28052
RP County: GASTON
Comments: Not reported
5 Min Quad: Not reported

PIRF:

Facility Id: 18184
Date Occurred: 7/16/1997
Date Reported: 10/13/1997
Description Of Incident: SOIL CONTAMINATION DISCOVERED AROUND A 500-GAL HOME HEATING OIL UST;
170 PPM(3550), 870 PPM(5030)
Owner/Operator: EARNEST STINES
Ownership: 4
Operation Type: 3
Type: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STINES RESIDENCE (Continued)

S102869086

Location: 7
Site Priority: B
Priority Update: 5/30/1998
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 2/17/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: 4/14/1998
Close-out Report: 4/15/1998

LUST TRUST:

Facility ID: Not reported
Site ID: 18184
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: High
Deductable Amount: 0
3rd Party Deductable Amt: 100000
Sum 3rd Party Amt Applied: 0

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

Count: 25 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GASTONIA	1003868294	BIGGERSTAFF LDFL	HWY 274 More than 1 Mile	28052	CERCLIS-NFRAP
GASTONIA	1003869374	LEE'S MOTOR WORKS	ROUTE 4, BOX 19-A BEATY ROAD More than 1 Mile	28054	CERCLIS-NFRAP
GASTONIA	S101523579	W.T. BARLOWE	RANKIN ST. & HIGHWAY 321 More than 1 Mile	28054	LUST
GASTONIA	S104913432	SMITH WELL & PETTY MACHINE COM	HWY 321 & FORBES ROAD More than 1 Mile		IMD
GASTONIA	S105219435	GATE STATION #402	ROUTE 6, BOX 234		LUST TRUST
GASTONIA	S105702781	KEENER RESIDENCE	ROUTE 8, BOX 628		IMD, LAST
GASTONIA	S105764436	CR PRECISION SEALS	HWY 321		IMD, LUST
GASTONIA	S105807427	IMPACT PLASTICS	HIGHWAY 321 NORTH More than 1 Mile		IMD, LAST
GASTONIA	S105894732	THE 321 PANTRY	HWY 321 AND CLYDE ST Add to nearby sites		IMD, LUST
GASTONIA	S105912201	SERVCO NO. 2011 / CARSON RD.	2907 YORK ROAD (HWY 321S) AND More than 1 Mile	28052	IMD, LAST
GASTONIA	S106022506	DIXIE VILLAGE SOLVENTS	WEST FRANKLIN (HWY 74) More than 1 Mile		HWS, LAST, IMD
GASTONIA	S109316503	DELTA MILLS-FORMER RAGAN LDFL	OATES RD, NEAR HWY 274 More than 1 Mile		HWS
GASTONIA	S110629321	UNITED OIL TANKER SPILL	HIGHWAY 321 SOUTH		LAST
GASTONIA	S111771162	A B CARTER INC	HWY 321 S	28054	MANIFEST
GASTONIA	S111825951	STATELINE SCRAP METHAL	5401 SOUTH YORK HIGHWAY More than 1 Mile		LAST
GASTONIA	U001196272	CAROLINA TEXTILE SALES/GASTONIA	HIGHWAY 29/74 WEST More than 1 Mile	28052	UST
GASTONIA	U001196596	UNKNOWN - OUR #56-8805-105	OLD U. S. HWY. 29 More than 1 Mile	28052	UST
GASTONIA	U001196913	SOUTH GASTONIA VFD	HIGHWAY 321 SOUTH	28052	UST
GASTONIA	U001206619	CROWDER CREEK WASTEWATER PLANT	HIGHWAY U.S. 321 More than 1 Mile	28052	UST
GASTONIA	U003136417	SAUNDERS SYSTEM, INC.	ROUTE 6, BOX 120	28052	UST
GASTONIA	U003136428	GILLILAND'S PLACE	ROUTE 5, BOX 248	28054	UST
GASTONIA	U003136535	SPENCER MOUNTAIN UNION 76	ROUTE 2	28054	UST
GASTONIA	U003144707	J.S. PIERCE	ROUTE 6, BOX 103	28054	UST
GASTONIA	U003202279		ROUTE 3, BOX 120 B	28052	UST
GASTONIA	U003562655	PETTY MACHINE CO.	HIGHWAY 321 SOUTH	28052	UST

No Release

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: 05/08/2012	Source: EPA
Date Data Arrived at EDR: 05/10/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 05/10/2012
Number of Days to Update: 5	Next Scheduled EDR Contact: 07/23/2012
	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: 03/30/2012	Source: EPA
Date Data Arrived at EDR: 04/05/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/23/2012
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/30/2012	Source: EPA
Date Data Arrived at EDR: 04/05/2012	Telephone: N/A
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Quarterly

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: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 05/29/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
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: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 09/24/2012
	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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 06/11/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 09/24/2012
	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: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011	Source: North Carolina Center for Geographic Information and Analysis
Date Data Arrived at EDR: 11/08/2011	Telephone: 919-754-6580
Date Made Active in Reports: 12/05/2011	Last EDR Contact: 05/08/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 03/01/2012	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 04/03/2012	Telephone: 919-508-8400
Date Made Active in Reports: 04/23/2012	Last EDR Contact: 06/20/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

SWF/LF: List of 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: 03/14/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 03/16/2012	Telephone: 919-733-0692
Date Made Active in Reports: 04/23/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 10/14/2011	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 10/20/2011	Telephone: 919-733-4996
Date Made Active in Reports: 11/23/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 05/04/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 05/16/2012	Telephone: 919-733-1308
Date Made Active in Reports: 06/15/2012	Last EDR Contact: 05/16/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 04/11/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 04/12/2012	Telephone: 919-733-1315
Date Made Active in Reports: 06/08/2012	Last EDR Contact: 04/12/2012
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 05/10/2012	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/16/2012	Telephone: 877-623-6748
Date Made Active in Reports: 06/15/2012	Last EDR Contact: 05/16/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/14/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Semi-Annually

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

Date of Government Version: 02/01/2012
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 103

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

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: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2012
Next Scheduled EDR Contact: 08/13/2012
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: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/13/2012
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: 02/07/2012
Date Data Arrived at EDR: 02/17/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
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: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Petroleum Underground Storage Tank Database

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: 02/03/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 02/15/2012	Telephone: 919-733-1308
Date Made Active in Reports: 04/05/2012	Last EDR Contact: 05/16/2012
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/27/2012
	Data Release Frequency: Quarterly

AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 03/26/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 03/26/2012	Telephone: 919-715-6183
Date Made Active in Reports: 04/30/2012	Last EDR Contact: 06/21/2012
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: Semi-Annually

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: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

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: 02/07/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/17/2012	Telephone: 913-551-7003
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2011	Source: EPA, Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 05/01/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/13/2012
	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: 11/28/2011	Source: EPA Region 9
Date Data Arrived at EDR: 11/29/2011	Telephone: 415-972-3368
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Semi-Annually

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: 02/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 02/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 103	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

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: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Semi-Annually

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: 02/28/2012	Source: EPA Region 5
Date Data Arrived at EDR: 02/29/2012	Telephone: 312-886-6136
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/10/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 03/01/2012	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 04/03/2012	Telephone: 919-508-8400
Date Made Active in Reports: 04/23/2012	Last EDR Contact: 12/17/2110
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

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: 02/17/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 04/03/2012	Telephone: 617-918-1102
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 03/01/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 04/03/2012	Telephone: 919-508-8400
Date Made Active in Reports: 04/23/2012	Last EDR Contact: 06/20/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 09/30/2010	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 04/15/2011	Telephone: 919-733-4996
Date Made Active in Reports: 05/04/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/27/2011	Telephone: 202-566-2777
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 06/25/2012
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 06/01/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 10/08/2012
	Data Release Frequency: No Update Planned

HIST LF: Solid Waste Facility Listing

A listing of solid waste facilities.

Date of Government Version: 11/06/2006	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 02/13/2007	Telephone: 919-733-0692
Date Made Active in Reports: 03/02/2007	Last EDR Contact: 01/19/2009
Number of Days to Update: 17	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

SWRCY: Recycling Center Listing

A listing of recycling center locations.

Date of Government Version: 05/21/2012	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/23/2012	Telephone: 919-707-8137
Date Made Active in Reports: 06/19/2012	Last EDR Contact: 05/21/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/20/2012
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/07/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/02/2012
Date Data Arrived at EDR: 03/13/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/04/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

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: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

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: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/21/2012
Next Scheduled EDR Contact: 09/03/2012
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/15/2012
Date Data Arrived at EDR: 04/04/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/02/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/29/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 94

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/08/2012
Next Scheduled EDR Contact: 08/20/2012
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: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

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: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Varies

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: 12/01/2011
Date Data Arrived at EDR: 01/25/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 36

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

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: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/13/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/29/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Varies

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: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/05/2012
Next Scheduled EDR Contact: 09/17/2012
Data Release Frequency: Semi-Annually

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: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/29/2012
Next Scheduled EDR Contact: 09/10/2012
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Every 4 Years

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: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
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: 05/23/2012
Next Scheduled EDR Contact: 09/10/2012
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
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: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 06/21/2012
Next Scheduled EDR Contact: 10/08/2012
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: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Annually

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: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/11/2012
Next Scheduled EDR Contact: 09/24/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (404) 562-9900
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 06/12/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 09/24/2012
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

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

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: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 06/01/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/10/2012
	Data Release Frequency: Biennially

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 08/01/2006	Telephone: 919-733-3221
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/01/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

UIC: Underground Injection Wells Listing

A listing of uncerground injection wells locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/16/2012
Date Data Arrived at EDR: 05/16/2012
Date Made Active in Reports: 06/15/2012
Number of Days to Update: 30

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 03/06/2012
Date Data Arrived at EDR: 03/28/2012
Date Made Active in Reports: 04/23/2012
Number of Days to Update: 26

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/08/2012
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/13/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 06/12/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Varies

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Semi-Annually

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank 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: 09/23/2011
Date Data Arrived at EDR: 10/06/2011
Date Made Active in Reports: 11/01/2011
Number of Days to Update: 26

Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 05/16/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 3: Financial Assurance Information

Hazardous waste financial assurance information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 05/16/2012
Number of Days to Update: 7

Source: Department of Environment & Natural Resources
Telephone: 919-508-8549
Last EDR Contact: 04/02/6182
Next Scheduled EDR Contact: 10/01/2012
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing

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: 04/04/2012
Date Data Arrived at EDR: 04/05/2012
Date Made Active in Reports: 04/23/2012
Number of Days to Update: 18

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/04/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 13

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 05/07/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan 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: 7

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/16/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Varies

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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/18/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Varies

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: 03/31/2012
Date Data Arrived at EDR: 05/17/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/15/2012
Next Scheduled EDR Contact: 08/27/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 05/24/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/05/2012	Telephone: 202-566-1917
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 05/21/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/03/2012
	Data Release Frequency: Quarterly

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: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/12/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/24/2012
	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: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/04/2012
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/21/2012	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/22/2012	Telephone: 860-424-3375
Date Made Active in Reports: 05/31/2012	Last EDR Contact: 05/22/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/03/2012
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2011	Telephone: N/A
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2012
	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: 05/01/2012	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2012	Telephone: 518-402-8651
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 05/09/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/27/2012	Telephone: 717-783-8990
Date Made Active in Reports: 06/05/2012	Last EDR Contact: 04/23/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/24/2011	Telephone: 401-222-2797
Date Made Active in Reports: 06/30/2011	Last EDR Contact: 02/27/2012
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Natural Resources
Date Data Arrived at EDR: 08/19/2011	Telephone: N/A
Date Made Active in Reports: 09/15/2011	Last EDR Contact: 07/02/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/01/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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 Facility List

Source: Department of Health & Human Services

Telephone: 919-662-4499

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WIX FILTRATION
1525 S. MARIETTA STREET
GASTONIA, NC 28054

TARGET PROPERTY COORDINATES

Latitude (North):	35.2407 - 35° 14' 26.52"
Longitude (West):	81.1904 - 81° 11' 25.44"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	482676.3
UTM Y (Meters):	3899554.8
Elevation:	849 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	35081-B2 GASTONIA SOUTH, NC
Most Recent Revision:	1996
North Map:	35081-C2 GASTONIA NORTH, NC
Most Recent Revision:	2002

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 principal 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).

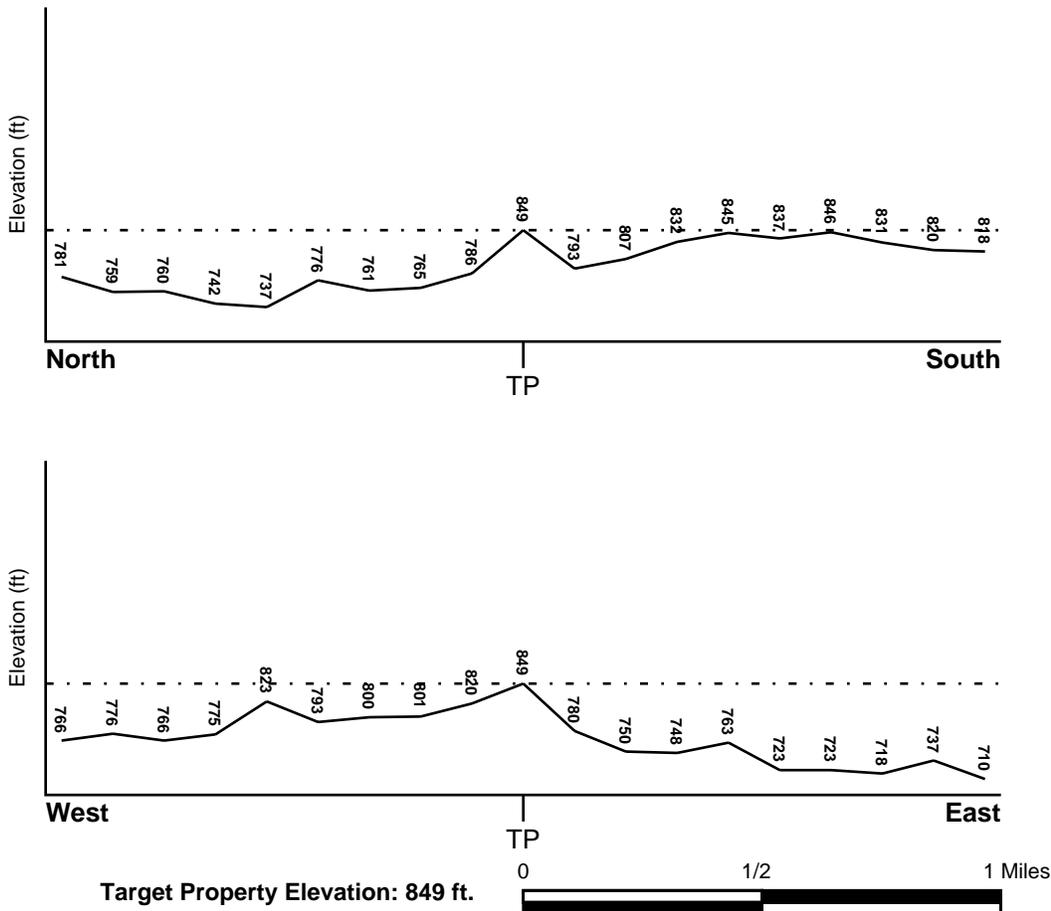
TOPOGRAPHIC INFORMATION

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 NE

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

Target Property County
GASTON, NC

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 37071C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
GASTONIA SOUTH

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
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: Pennsylvanian
Series: Upper Paleozoic granitic rocks
Code: Pzg3 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
fine sandy loam
loam

Surficial Soil Types: sandy loam
fine sandy loam
loam

Shallow Soil Types: clay loam
clay
sandy clay

Deeper Soil Types: sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2281983	0 - 1/8 Mile SW
2	USGS2281982	0 - 1/8 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	USGS2281987	1/4 - 1/2 Mile NE
4	USGS2281970	1/4 - 1/2 Mile SSW
5	USGS2281992	1/4 - 1/2 Mile NE
6	USGS2281991	1/4 - 1/2 Mile NE
7	USGS2282001	1/2 - 1 Mile NE
A9	USGS2479067	1/2 - 1 Mile SSW
A10	USGS2281961	1/2 - 1 Mile SSW
A11	USGS2281962	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

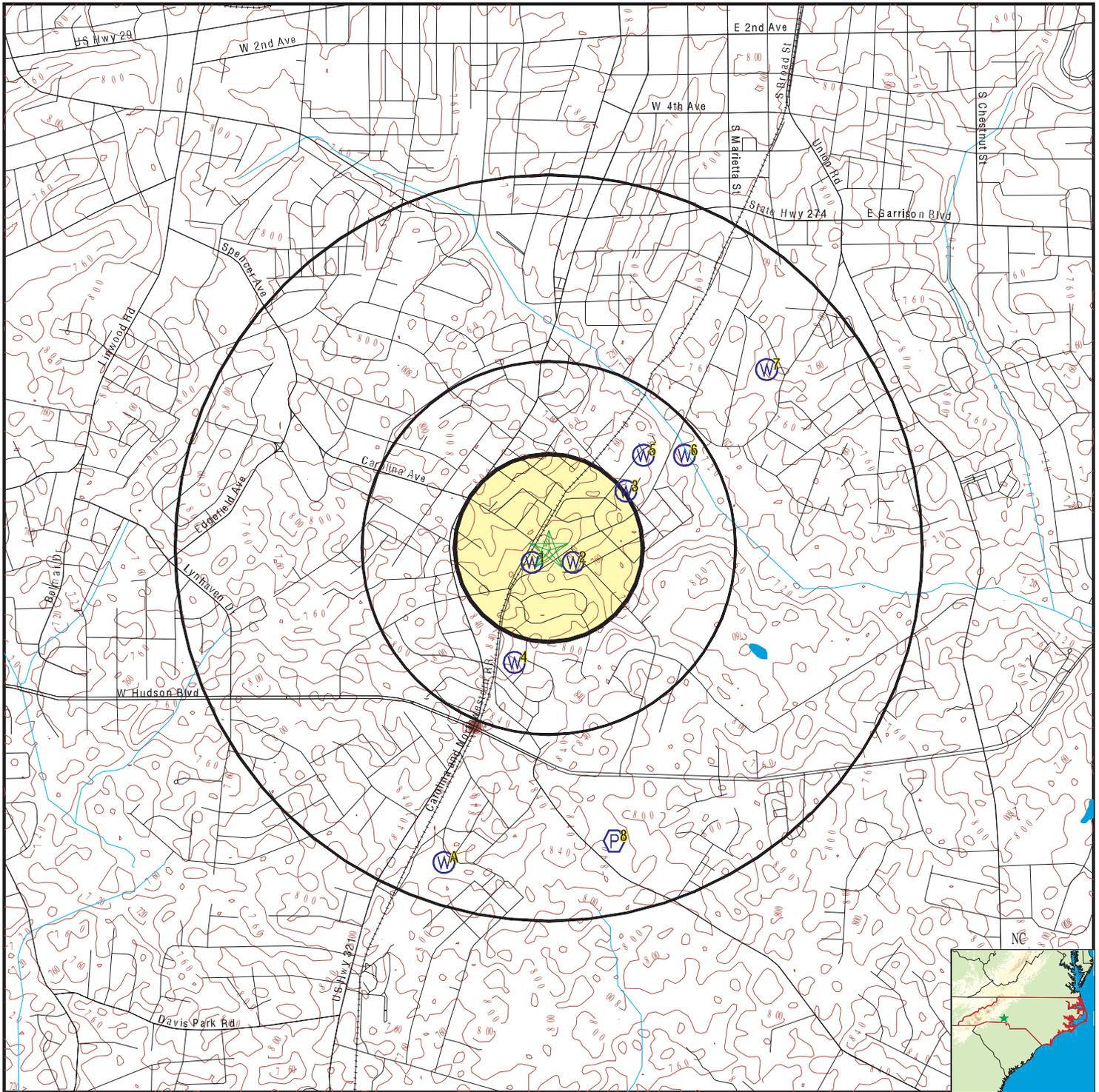
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
8	NC0136696	1/2 - 1 Mile SSE

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 03358208.2r



- | | | |
|--|--|---------------------------|
| County Boundary | Groundwater Flow Direction | Wildlife Areas |
| Major Roads | Indeterminate Groundwater Flow at Location | Natural Areas |
| Contour Lines | Groundwater Flow Varies at Location | Rare & Endangered Species |
| Earthquake epicenter, Richter 5 or greater | | |
| Water Wells | | |
| Public Water Supply Wells | | |
| Cluster of Multiple Icons | | |



SITE NAME: Wix Filtration
 ADDRESS: 1525 S. Marietta Street
 Gastonia NC 28054
 LAT/LONG: 35.2407 / 81.1904

CLIENT: WSP Environment & Energy
 CONTACT: Frank Giles
 INQUIRY #: 03358208.2r
 DATE: July 03, 2012 1:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SW
0 - 1/8 Mile
Lower

FED USGS USGS2281983

Agency cd:	USGS	Site no:	351424081112901
Site name:	GS-176	EDR Site id:	USGS2281983
Latitude:	351424	Dec lat:	35.24013777
Longitude:	0811129	Coor meth:	M
Dec lon:	-81.19118922	Latlong datum:	NAD27
Coor accr:	S	District:	37
Dec latlong datum:	NAD83	County:	071
State:	37	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	53.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1952-00-00	Ground water data end date:	1952-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1952	10	

2
ESE
0 - 1/8 Mile
Lower

FED USGS USGS2281982

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	351424081112201
Site name:	GS-175		
Latitude:	351424	EDR Site id:	USGS2281982
Longitude:	0811122	Dec lat:	35.24013779
Dec lon:	-81.18924473	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	185.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1952-00-00	Ground water data end date:	1952-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1952	15	

3

NE
1/4 - 1/2 Mile
Lower

FED USGS USGS2281987

Agency cd:	USGS	Site no:	351434081111301
Site name:	GS-173		
Latitude:	351434	EDR Site id:	USGS2281987
Longitude:	0811113	Dec lat:	35.2429156
Dec lon:	-81.18674473	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

5
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS2281992

Agency cd:	USGS	Site no:	351439081111001
Site name:	GS-171	EDR Site id:	USGS2281992
Latitude:	351439	Dec lat:	35.2443045
Longitude:	0811110	Coor meth:	M
Dec lon:	-81.1859114	Latlong datum:	NAD27
Coor accr:	S	District:	37
Dec latlong datum:	NAD83	County:	071
State:	37	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	135.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1952-00-00	Ground water data end date:	1952-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
1952	30	

6
NE
1/4 - 1/2 Mile
Lower

FED USGS USGS2281991

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	351439081110301
Site name:	GS-172		
Latitude:	351439	EDR Site id:	USGS2281991
Longitude:	0811103	Dec lat:	35.24430452
Dec lon:	-81.18396691	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	185.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**7
NE
1/2 - 1 Mile
Lower**

FED USGS USGS2282001

Agency cd:	USGS	Site no:	351451081104901
Site name:	GS-170		
Latitude:	351451	EDR Site id:	USGS2282001
Longitude:	0811049	Dec lat:	35.2476379
Dec lon:	-81.18007799	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	120.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A10
SSW
1/2 - 1 Mile
Lower**

FED USGS USGS2281961

Agency cd:	USGS	Site no:	351342081114401
Site name:	GS-178		
Latitude:	351342	EDR Site id:	USGS2281961
Longitude:	0811144	Dec lat:	35.22847104
Dec lon:	-81.19535575	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	071
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	110.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
 Water quality data end date: Not Reported
 Ground water data begin date: Not Reported
 Ground water data count: Not Reported

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

A11
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2281962

Agency cd:	USGS	Site no:	351342081114402
Site name:	GS-179	EDR Site id:	USGS2281962
Latitude:	351342	Dec lat:	35.22847104
Longitude:	0811144	Coor meth:	M
Dec lon:	-81.19535575	Latlong datum:	NAD27
Coor accr:	S	District:	37
Dec latlong datum:	NAD83	County:	071
State:	37	Land net:	Not Reported
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Upland draw		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FELSIC METAIGNEOUS ROCK		
Well depth:	103.5	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data count:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
2	2.00	1.5	2.5

Federal EPA Radon Zone for GASTON County: 2

- 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: 28054

Number of sites tested: 23

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.909 pCi/L	96%	4%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.960 pCi/L	80%	20%	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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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

North Carolina Public Water Supply Wells

Source: Department of Environmental Health

Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon coverage identifying sites (terrestrial or aquatic that have particular biodiversity significance.

A site's significance may be due to the presence of rare species, rare or high quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statistical Data

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

STREET AND ADDRESS INFORMATION

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Appendix E – Historical Information

Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 3358208.6
July 06, 2012

The EDR-City Directory Image Report

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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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.

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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2012	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2006	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
2001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1989	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1977	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hill's City Directory
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hill's City Directory
1964	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hill's City Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

1525 S. Marietta Street
Gastonia, NC 28054

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

S Marietta St

2012	pg A1	Polk's City Directory
2006	pg A2	Polk's City Directory
2001	pg A3	Polk's City Directory
1995	pg A4	Polk's City Directory
1989	pg A5	Polk's City Directory
1989	pg A6	Polk's City Directory
1977	pg A7	Hill's City Directory
1977	pg A8	Hill's City Directory
1971	pg A9	Hill's City Directory
1964	pg A10	Hill's City Directory
1964	pg A11	Hill's City Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

S Marietta St 2012

1247	No Current Listing	
1406	Curry Marichel J	2
1409	No Current Listing	
1410	Jackson Elisa W	11
	Macclure Robin	✓
		704-865-9218
	B Brandon Mary C	✓ 17
	B Brandon Cathy	
1411	Friday Faye	3
1413	Carson Salomi M	✓ 5 (1920)
1418	GASTON GARAGE DOOR INC	
	doors	✓ 704-864-5409
1419	JACOB'S FUEL MART	
	convenience stores	✓ @ 704-867-4567
1425	Baradaran Bahran	5
	JACOB'S FOOD MART serv	
	stations- gasoline & oil	✓ @ 704-867-5041
	• ZIP CODE 28054 CAR-RT C040	
1500	Davidson Maryln O	✓ 3
	Sisk Robert G	✓ 37 (1946)
		704-865-6690
	Sisk Ruby N	704-865-6690
1513	Conner Nita	12 (1900)
1516	Burch Gary M	✓ 15 (1950)
		704-810-6549
	Burch Gm	704-810-6549
1518	Burch Timothy F	✓ 19 (1975)
1519	RELIABLE CARPET CLEANING	
	carpet & rug cleaners	✓ @ 704-861-1127
1520	Burch Ruby Q	✓ 29 (1930)
		704-865-5789
1522	Cooper Sherri	✓ @ (1946)
	Cooper Jordan A	
1524	Horton Victoria L	✓
1526	Hudson Jeannette M	✓ 39 (1930)
		704-864-4780
	Hudson Lila J	704-864-4780
1606	No Current Listing	
1608	Welch Kelly E	✓
1620	No Current Listing	
1622	Walker Melissa C & Lester W	✓ @
		17 (1946) 704-866-7386



S Marietta St 2006

- 1247 Phillips Paul G [6]704-869-9980
- 1406 [N] Evans Eian
Kennedy Sharon [2]
Kennedy Lisa
- 1409 [N] Smith Colin E ▲
- 1410 Brandon Mary C [11]
Brandon Cathy
- 1411 No Current Listing
- 1413 [N] Shaw Sueann
- 1418 GASTON GARAGE DOOR INC
doors-garage704-864-5409
- 1419 JACOB'S FUEL MART
convenience stores ..704-867-4567
- 1420 LIVING WORD TABERNACLE
churches704-864-1800
- 1425 JACOB'S FOOD MART grocers-
retail704-867-5041
- 1428 Yeboah John A [7] ▲
.....704-691-2536
Yeboah Doris704-691-2536
- 1500 Sisk Ruby N [31] ▲704-865-6690
- 1513 Mauney Wayne M [14] ▲
.....704-865-1145
- 1516 Burch Gary M [9]704-810-6549
- 1518 No Current Listing
- 1519 BANNER FINANCIAL SVC financial
advisory serv704-868-3460
- 1520 Burch Ruby Q [23] ▲
.....704-865-5789
- 1522 [N] Goodson Christina
- 1524 [N] Johnson Sherry ..704-691-2129
- 1526 Hudson Jeannette M [33] ▲
.....704-864-4780
Hudson Lila J704-864-4780
- 1606 Honor Teena [4]704-865-8066
- 1608 Wilson George D Jr [2]
- 1620 [N] Burris Johnny B
- 1622 Walker Leslie [11] ▲ ..704-866-7386
Walker Melissa C704-866-7386
- ZIP CODE 28054 CAR-RT C040
- 2000 [N] Harris Jeff



S Marietta St 2001

+ E FARMVIEW ST BEGINS	
+ QUINN AVE BEGINS	
1308 A & W AUTO & BODY REPAIR auto	
repr shops.....	853-3449
LEONS AUTO SALES autos new used	
.....	865-5255
. ZIP CODE 28054 CAR-RT C040	
1404 ANGIES SPAGHETTI HOUSE eating	
places	864-0302
+ W RUBY AVE BEGINS	
+ E RUBY AVE BEGINS	
1406 Locke Laura J [3]	
1409 Shubert Lanny G Jr [9]+ ▲...	861-8904
1410-1411 Not Verified (2 Hses)	
1413 Perry Tammy L [9]+ ▲	867-5913
1418 COVENANT BUILDING SERVICES bldg	
mtce serv	862-0816
1420 LIVING WORD TABERNACLE ch	
temples shrines.....	864-1800
1425 JACOBS FOOD MART gro store	
.....	867-5041
1428 Forney Jewel C [4].....	810-0747
ⓃYeboah John A	
+ CONGRESS ST ENDS	
+ DAVENPORT ST BEGINS	
1500 Sisk Robert G [9]+ ▲	865-6690
Sisk Ruby N	865-6690
1504-1508 Not Verified (3 Hses)	
1510 Day Ronnie K [5].....	867-2135
1513 Conner Carrie [9]+ ▲	
S Mauney Wayne M [7].....	865-1145
1514 J AND J APPLIANCES.....	861-0188
1516ⓃBurch G M.....	853-1923
1518 Taylor Mary B [9]+ ▲	
1519 ELECTRICAL CONTRACTING	
SERVICES electrical contr	864-0008
1520 Burch Ruby Q [9]+ ▲	865-5789
+ EFIRD ST BEGINS	
1522 Not Verified	
1524 Womack John F [6].....	865-9263
1526 Hudson Lila J [9]+ ▲	864-4780
1620 Cape Margaret R [9]+ ▲	
Cape Ruth W	
1622 Walker Lester W [5]	

S Marietta St 1995

S MARIETTA ST cont'd

- 1502 J & J USED APPLIANCE WAREHOUSE
- 1504 Duncan Dennis [4]
- 1505★ Perry Jimmy ©..... 866-9121
- 1508 Duncan John R [4]..... 868-4386
- 1510 FREEWILL CHURCH OF GOD
- 1513 Vacant
- 1514 J & J USED APPLIANCE..... 861-8683
- 1515 Welch [2]
- 1516 Not Verified
- 1518 Taylor John H & Mary B [9]+..... 865-1311
- 1519 CRESCENT METAL STRUCTURES INC
 contr bldg-genl..... 866-9829
- 1520 Burch Ruby O [6] ©..... 865-5789
- **EFIRD ST INTERSECTS**
- 1522 Dunn Randall & Sherry [2]
- **PINE ST INTERSECTS**
- 1524 Sparks William F & Karen B [2]
- 1526 Hudson Jennette L [9]+ ©..... 864-4780
- 1601 WIX CORP (DIXON AIR FILTER PLANT)
 864-6711
- 1606★ Garland Jessie R
- 1608 Pitts Robert & Mary F [2]..... 867-9403
 Pitts Kevin [2]..... 867-9403
- 1620 Cape Margaret R [9]+ ©..... 867-7561
 Yancey Patel A [2]..... 867-7561
- 1622★ Henderson Jeff D & Deborah W.... 854-3199
- 1624 Vacant
- 1626 Not Verified
- **DIXON CIR INTERSECTS**
- **CLYDE ST INTERSECTS**
- BUSINESSES 46
- HOUSEHOLDS 91

S Marietta St

1989

864-6512

FARMVIEW AV BEGINS

QUINN AV BEGINS

1306 Rainbow Motors used auto sls 866-4640

1308 Premier Grafics

1404 Angie's Spaghetti House restr 864-0302

RUBY AV BEGINS

1406a★Randolf Scott

1406b★Silvers James M 867-0290

1409 Trimnal French T © 864-3374

1410a Grassano Maria A 867-5291

1410b Walsh Omma H 865-4491

1411★Biddix Jackie 861-1416

S Marietta St 1989

1413 Vacant
 1419 Love Timothy
 1420 Salem Baptist Church 864-4953
 1421 Purser Wayne E ☉ 867-9837
 1423 Vacant
 1425 Jacobs Food Mart 867-5041
 TODD INTERSECTS
 1428 Boughman Sharon N ☉ 865-8045
 DAVENPORT INTERSECTS
 1500 Sisk R S 865-6690
 1501 Burgin's T V & Appliance 866-8151
 1502 Gospel Independent Baptist Church
 1504 No Return
 1505★Hyde Sharon
 1508 Tarleton Ruth M
 1510 Vacant
 1513 Conner Joe M ☉ 865-1145
 1514 C H Textile sell new & used tex pts
 mach 861-1973
 1515 Welch Grady E Rev ☉ 867-6595
 1516 Queen Eliz H ☉ 864-2020
 1518 Taylor John H ☉
 1519 Vacant
 Crescent Metal Structures Inc contr
 bldg-genl 866-9822
 1520★Burch Jack 865-5789
 EFIRD BEGINS
 1522 Cline Geo R ☉ 865-1501
 PINE BEGINS
 1524 Baucom Ardenia T Mrs 865-8278
 1526 Hudson Lila J ☉
 1601 Wix Corp (Dixon Air Filter Plant)
 864-6711
 1606 Ewing Michl ☉ 867-3082
 1608 Sawyer Buddy 867-9506
 1620 Cape James T ☉ 867-7561
 1622 No Return
 1624★Phillips Tony L ☉
 1626★Jenkins Randy D
 DIXON CIR INTERSECTS

S Marietta St

1977

RUBY AV BEGINS

1406a★Grier John

1406b Lane Mary

1409 Trimnal French T © 864-3374

1410 Hornsby Paul E 865-6572

1411 Vacant

1413 Johnson Andy N © 865-5075

1417 Vacant

1419 Gibson Larry

1420 Salem Bapt Ch (Sunday Sch Rms)

1421 Purser Wayne E © 867-9837

1423 Pendleton Fred J

1426 Salem Baptist Church 864-4953

TODD INTERSECTS

1428 Boughman Agnes N Mrs © 865-8045

DAVENPORT INTERSECTS

1501 Jacobs' Food Mart 867-5041

1502 Self Bonnie M Mrs © 864-6083

1504★Matheson J B

1505★Perry Ila W Mrs 865-3658

1508 Self Bryson

1510 Self James S

1513 Conner Joe M © 865-1145

1514 Lighthouse Tabernacle

1515 Welch Grady E © 867-6595

1516 Queen Eliz A © 864-2020

1518 Taylor Watch Repair 865-1311

Taylor John H © 865-1311

1519 Marietta Street Body Service

1520 Quinn Stead C © 865-5789



-

S Marietta St

1977

EFIRD BEGINS

1522 Cline Geo R © 865-1501

PINE BEGINS

1524 Baucom Ardenia T Mrs 865-8278

1526 Hudson Jack C 864-7340

1601 Wix Corp (Eng Dept) 864-7716

1608★Wilson Bobby H

1620 England Luther F © 864-2476

1622 Costner Jay A © 865-3981

1624★Hannah Edw 867-0960

DIXON CIR INTERSECTS

16

MARIETTA ST EXTD S —FROM CITY

S Marietta St

1971

S MARIETTA ST—Contd**QUINN AV BEGINS**

1312 Textile Laboratories The 865-2791

1404 Rainbow Grocery 867-9420

RUBY AV BEGINS

1406 Clinton Ellen B Mrs

1409 Trimnal Franc T © 864-3374

1410 Hornsby Paul E

1411 Meeks Gene

1413 Johnson Andy N © 865-5075

1417 Poindexter Louise S Mrs

1419 Cape James T

1420 Salem Bapt Ch (Sunday Sch Rms)

1421 Purser Wayne E © 867-9837

1423 Pendleton Fred J

Pendleton Dorothy

1425 Adair Thos W

1426 Salem Baptist Church 864-4953

TODD INTERSECTS

1428 Boughman Ralph A © 865-8045

DAVENPORT INTERSECTS

1500 No Return

1501 Marietta Superette 864-9163

Baucom Hiram W Jr

1502 Self Bonnie M Mrs ©

Self Lee L

1505 No Return

1508 Self Bryson

1510 Self James S

1513 Connor Joe M © 865-1145

1514 Lee's Produce Stand prod & gro ret

1515 Welch Grady ©

1516 Queen Eliz A © 864-2020

1517 Smith Hocum C

1518 Taylor John H © 865-1311

1519 Beaver's Citgo Service Station 865-3081

1520 Quinn Stead C © 865-5789

EFIRD BEGINS

1522 Cline Geo R © 865-1501

PINE BEGINS

1524 Baucom H V Mrs 865-8278

1526 Lockey Wm G © 865-3035

1601 Wix Corp

1508 Santel I Danl 864-5038

1620 England Luther F © 864-2476

1622 Costner Wm B © UN5-0021

1624 Smith Barbara

1626 Bolch Wm

DIXON CIR INTERSECTS

16

**MARIETTA ST EXTD S —FROM CITY
LIMIT SOUTH, A CONTINUATION OF
S MARIETTA ST**

S Marietta St

1964

1247 Franklin Raymond L ☉ 865-99
Farmview av begins
Quinn av begins
 1305 Vacant
 1312 Tex Laboratories The 865-279
 1404 Rainbow Gro 867-7954
E Ruby av begins
W Ruby av begins
 1406 Clinton Ellen B Mrs
 1406 $\frac{1}{2}$ Lane Mary J 864-3853
 1409 Trimnal French P ☉ 865-2598
 1410 Cox Ernest E
 1410 $\frac{1}{2}$ Weaver Gertrude Mrs
 1411 Biddix Jack L ☉
 1413 Johnson Andy N ☉ 865-5075
 1418 Salem Bapt Church
 1417 Self James W
 1419 Burch Jack A
 1421 Purser Wayne E ☉ 865-5200
 1423 Denny David
 1425 Mize Dora B Mrs 867-6704
 1427 Vacant
Todd intersects
 1428 Boughman Ralph A ☉ 865-8048
Davenport intersects
 1500 Sisk Ruby N Mrs ☉
 rear R & Y Beauty Shop
 1501 Perry's Serv Sta gas 867-9278
 1502 Self J Lester ☉
 rear Self Marvin S
 1502 $\frac{1}{2}$ Miller Craig
 rear Self Lee L
 1513 Conner Joe M ☉ 865-1145
 1514 Self's Prod Stand
 1515 Welch Grady E ☉ 867-6595
 1516 Queen Eliz A ☉ 864-2020
 1517 Smith Eug
 1518 Price Dock J ☉ 865-0032
 1519 Smith's Cities Serv gas sta
 867-9265
 1520 Quinn Stead C ☉ 865-5789
Efird ends
 1522 Cline Geo R ☉ 865-1501
Pine begins

S Marietta St

1964

MARIETTA S--Contd

1524 Pöplin Luther O © 865-0535

1526 Lockey Wm G © 865-3035

1601 United States Rubber Co

(Lastex Plant) 864-4326

1606 Queen Richd E © 864-1827

1608 Jenkins Dorcus H

1620 England Luther F © 864-2476

1622 Costner Wm B © 865-0021

1624 Yoder Roy O © 865-4772

1626 Bolch Wm O © 865-8306

Dixon cir intersects



Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 3358208.5
July 05, 2012

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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.

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Date EDR Searched Historical Sources:

Aerial Photography July 05, 2012

Target Property:

1525 S. Marietta Street

Gastonia, NC 28054

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1961	Aerial Photograph. Scale: 1"=1000'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: August 16, 1961	EDR
1969	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 17, 1969	EDR
1971	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 11, 1971	EDR
1973	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 21, 1973	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: February 02, 1984	EDR
1989	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 11, 1989	EDR
1993	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 01, 1993	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-B2, Gastonia South, NC;/Composite DOQQ - acquisition dates: January 21, 1994	EDR
1999	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-B2, Gastonia South, NC;/Flight Date: March 04, 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-B2, Gastonia South, NC;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-B2, Gastonia South, NC;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-B2, Gastonia South, NC;/Flight Year: 2008	EDR



INQUIRY #: 3358208.5

YEAR: 1961

| = 1000'





INQUIRY #: 3358208.5

YEAR: 1969

| = 750'





INQUIRY #: 3358208.5

YEAR: 1971

| = 500'





INQUIRY #: 3358208.5

YEAR: 1973

| = 750'





INQUIRY #: 3358208.5

YEAR: 1984

| = 1000'





INQUIRY #: 3358208.5

YEAR: 1989

| = 750'





INQUIRY #: 3358208.5

YEAR: 1993

| = 750'





INQUIRY #: 3358208.5

YEAR: 1994

| = 500'





INQUIRY #: 3358208.5

YEAR: 1999

| = 750'





INQUIRY #: 3358208.5

YEAR: 2005

| = 500'





INQUIRY #: 3358208.5

YEAR: 2006

| = 500'





INQUIRY #: 3358208.5

YEAR: 2008

 = 500'





Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 3358208.4
July 03, 2012

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

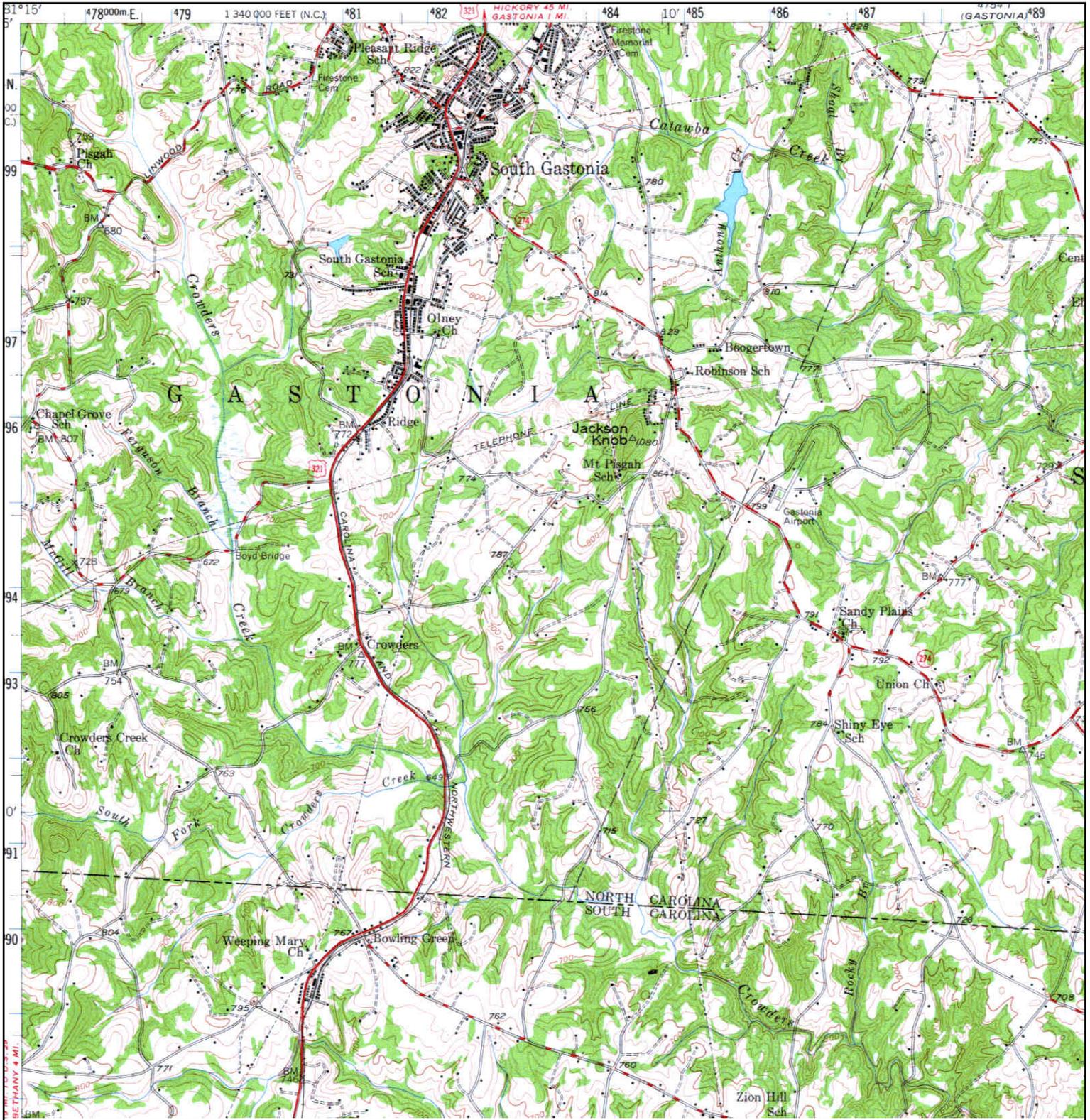
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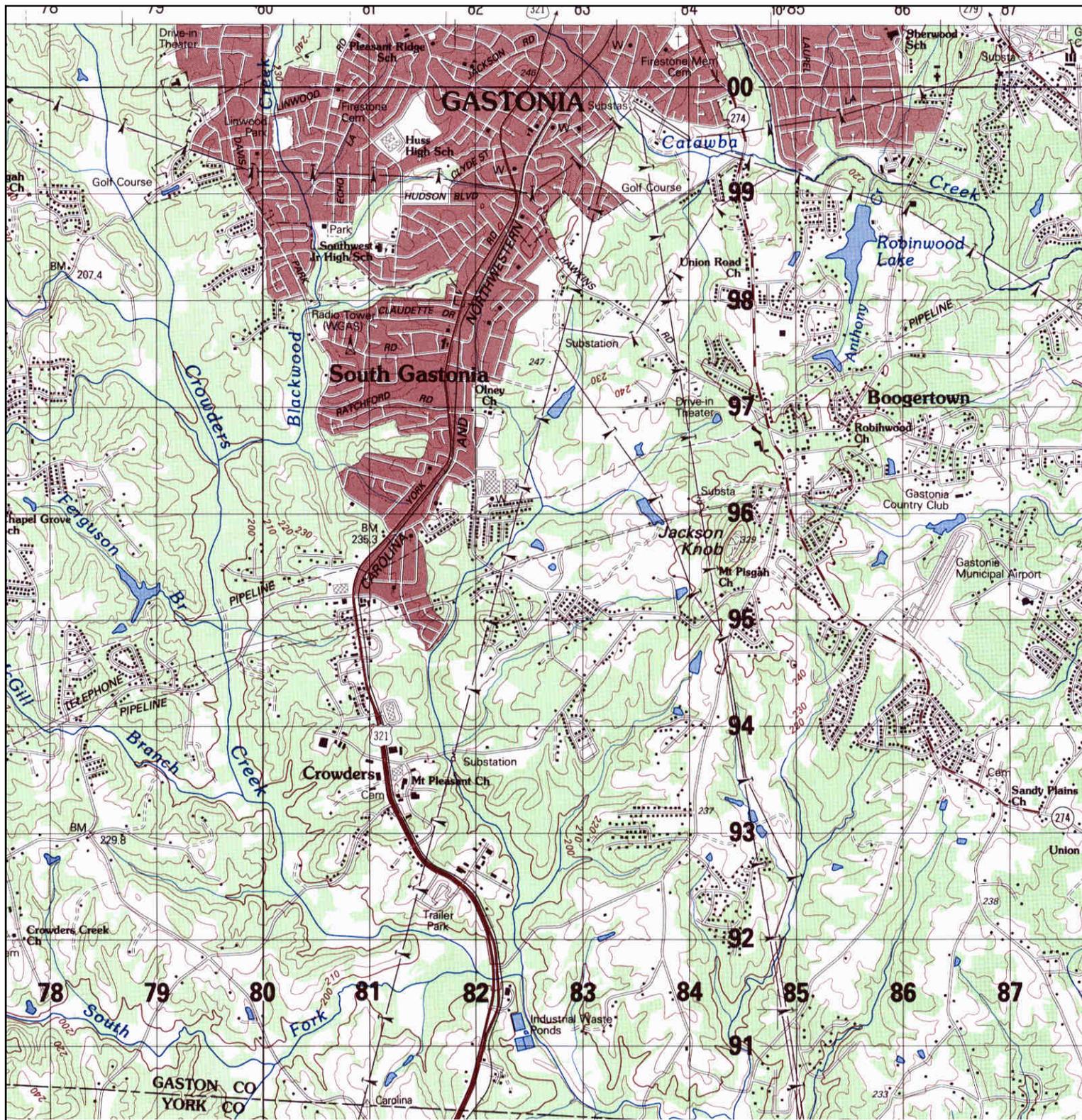
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Historical Topographic Map



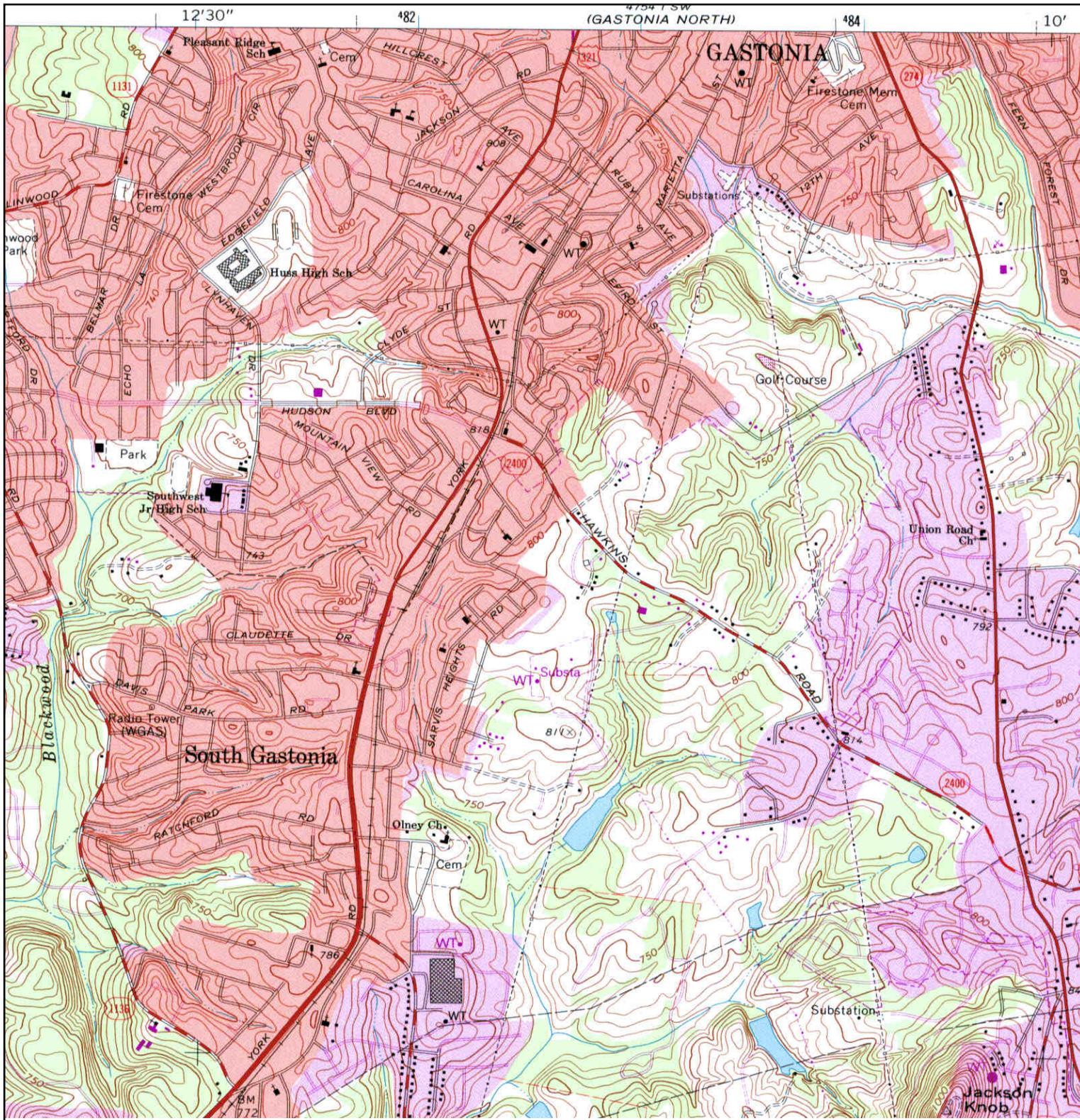
	TARGET QUAD	SITE NAME: Wix Filtration	CLIENT: WSP Environment & Energy
	NAME: CLOVER	ADDRESS: 1525 S. Marietta Street	CONTACT: Frank Giles
	MAP YEAR: 1947	LAT/LONG: 35.2407 / -81.1904	INQUIRY#: 3358208.4
	SERIES: 15		RESEARCH DATE: 07/03/2012
	SCALE: 1:62500		

Historical Topographic Map



	TARGET QUAD	SITE NAME: Wix Filtration	CLIENT: WSP Environment & Energy
	NAME: CLOVER	ADDRESS: 1525 S. Marietta Street	CONTACT: Frank Giles
	MAP YEAR: 1984	Gastonia, NC 28054	INQUIRY#: 3358208.4
	SERIES: 15	LAT/LONG: 35.2407 / -81.1904	RESEARCH DATE: 07/03/2012
	SCALE: 1:50000		

Historical Topographic Map



N 	TARGET QUAD	SITE NAME: Wix Filtration	CLIENT: WSP Environment & Energy	
	NAME: GASTONIA SOUTH	ADDRESS: 1525 S. Marietta Street	CONTACT: Frank Giles	
	MAP YEAR: 1993	LAT/LONG: 35.2407 / -81.1904	INQUIRY#: 3358208.4	RESEARCH DATE: 07/03/2012
	SERIES: 7.5			
	SCALE: 1:24000			



Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 3358208.3
July 05, 2012

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/05/12

Site Name:

Wix Filtration
1525 S. Marietta Street
Gastonia, NC 28054

Client Name:

WSP Environment & Energy
11190 Sunrise Valley Drive
Reston, VA 20191



EDR Inquiry # 3358208.3

Contact: Frank Giles

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by WSP Environment & Energy were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Wix Filtration
Address: 1525 S. Marietta Street
City, State, Zip: Gastonia, NC 28054
Cross Street:
P.O. # 32538/5.6
Project: Double Eagle
Certification # 1C44-4332-8E6D



Sanborn® Library search results
Certification # 1C44-4332-8E6D

Maps Provided:

1942
1930
1922

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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 Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1942 Source Sheets

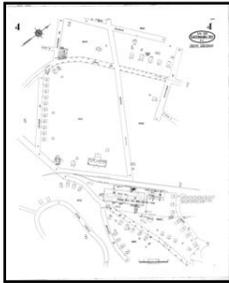


Volume 1, Sheet 4

1930 Source Sheets

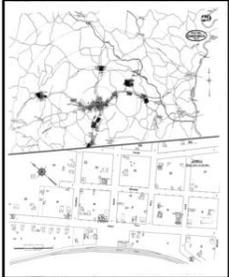


Volume 1, Sheet 3

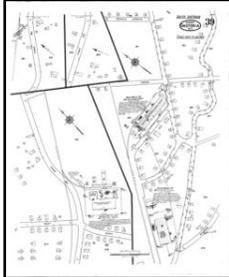


Volume 1, Sheet 4

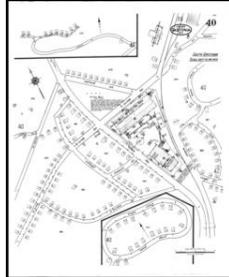
1922 Source Sheets



Volume 1, Sheet 29

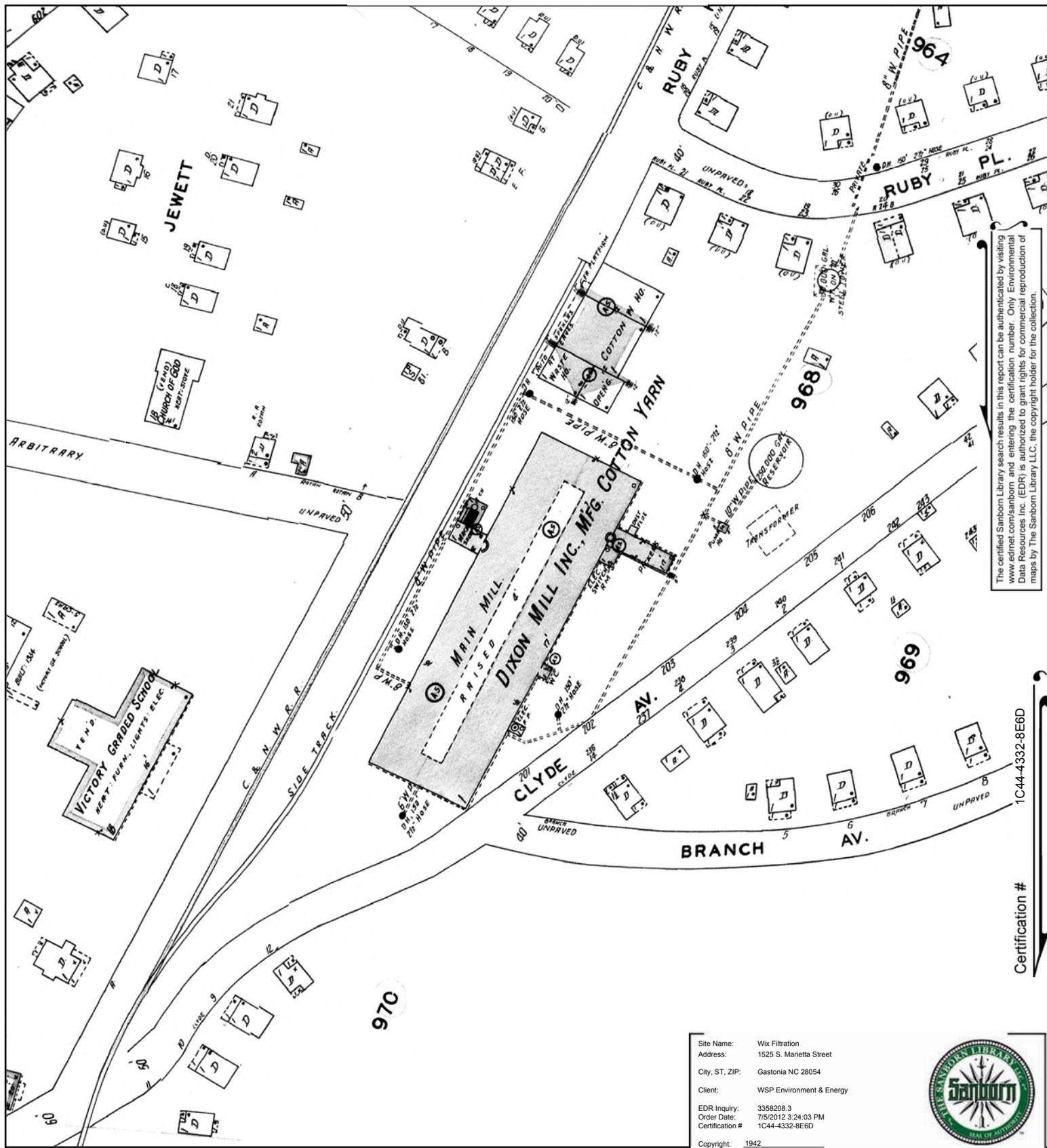


Volume 1, Sheet 39



Volume 1, Sheet 40

1942 Certified Sanborn Map



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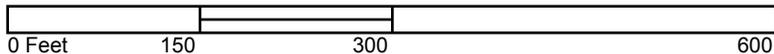
1C44-4332-8E6D

Certification #

Site Name: Wix Filtration
 Address: 1525 S. Marietta Street
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3358208.3
 Order Date: 7/5/2012 3:24:03 PM
 Certification #: 1C44-4332-8E6D
 Copyright: 1942



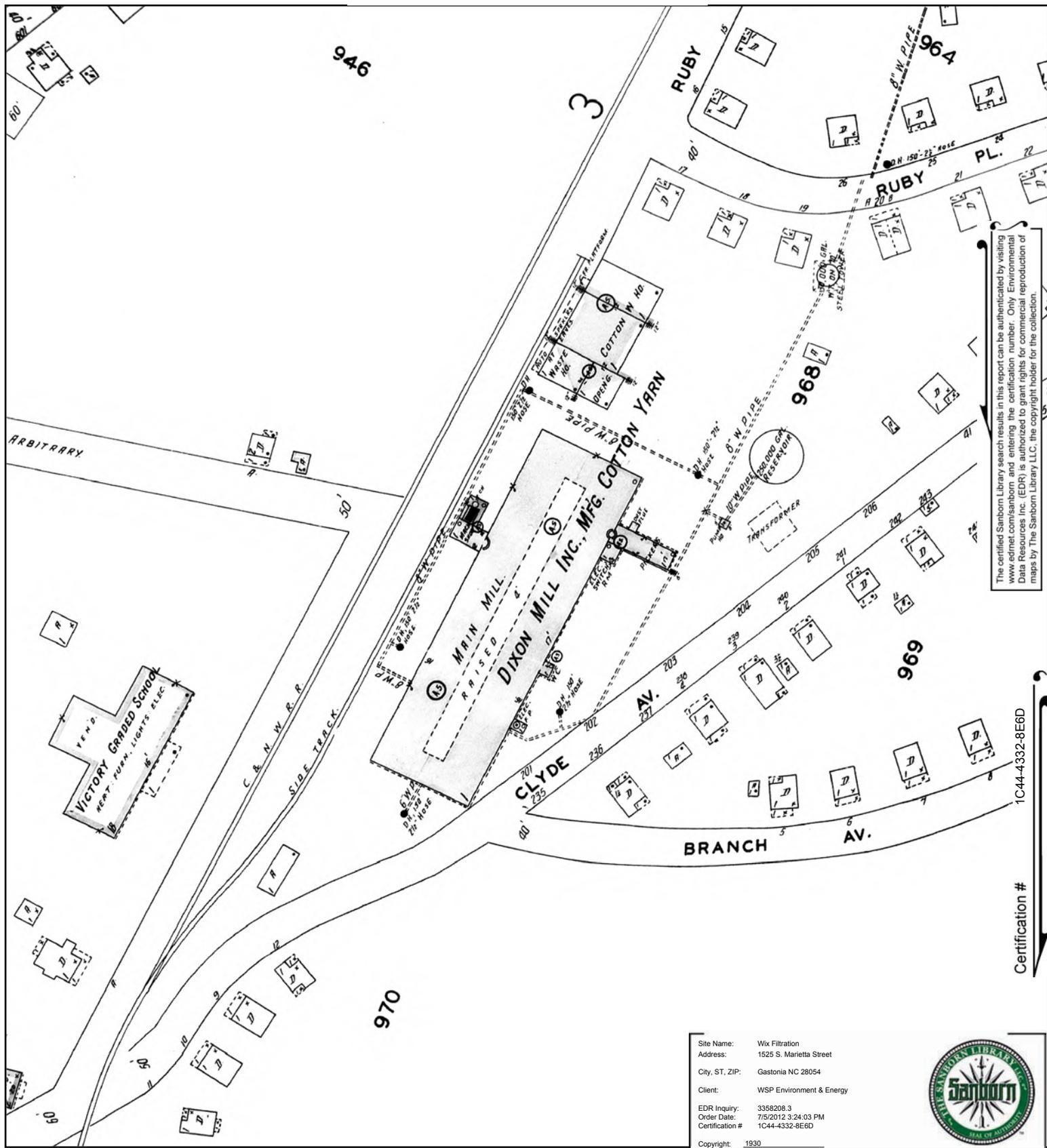
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 4



1930 Certified Sanborn Map

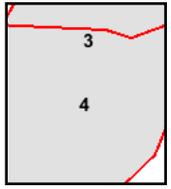


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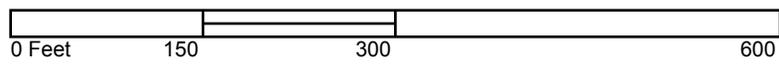
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 Address: 1525 S. Marietta Street
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3358208.3
 Order Date: 7/5/2012 3:24:03 PM
 Certification #: 1C44-4332-8E6D
 Copyright: 1930



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 3
 Volume 1, Sheet 4



1922 Certified Sanborn Map

SOUTH GASTONIA

JUNE 1922
GASTONIA
N.C.

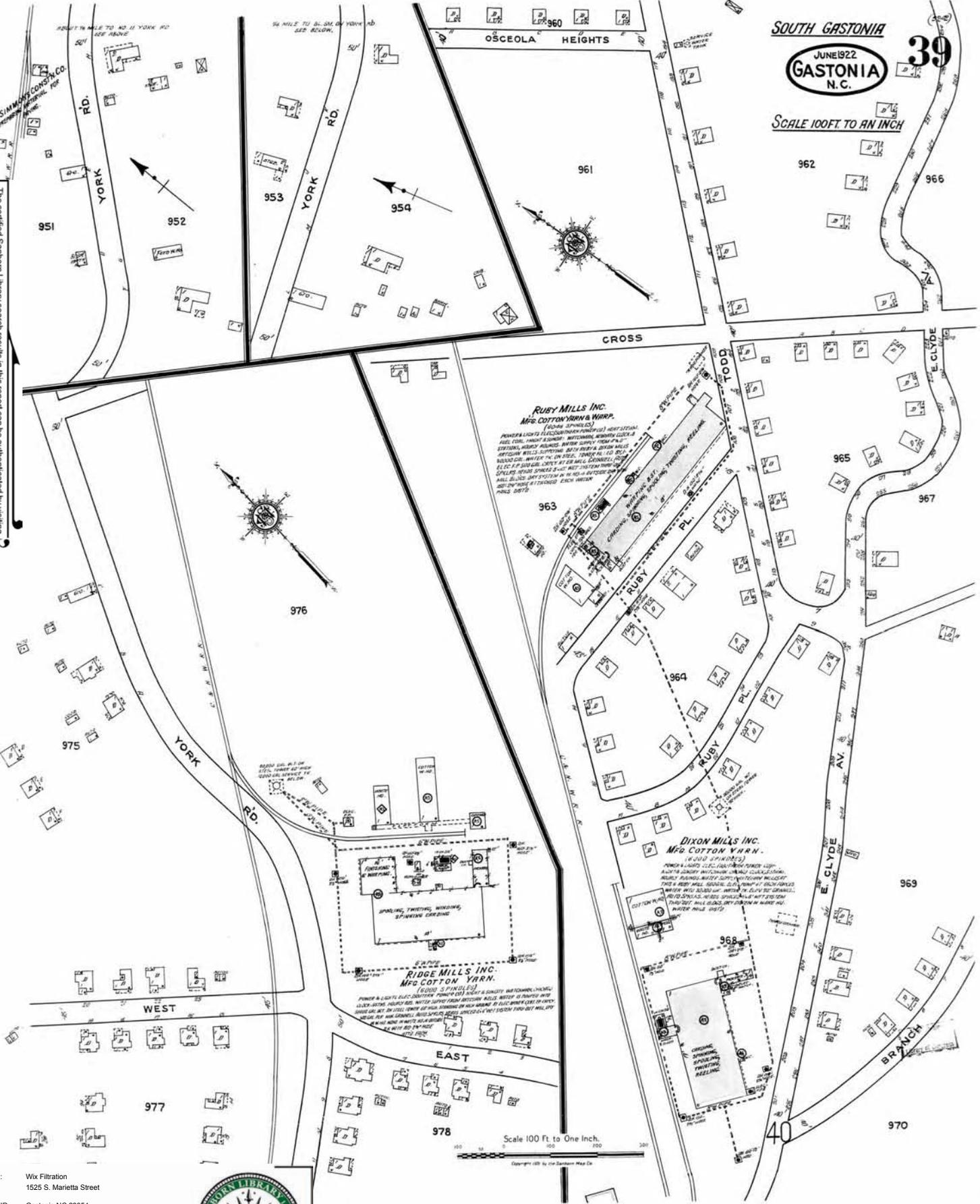
39

SCALE 100 FT. TO AN INCH

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Certification # 1C44-4332-8E6D

Site Name: Wix Filtration
 Address: 1525 S. Marietta Street
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3358208.3
 Order Date: 7/5/2012 3:24:03 PM
 Certification #: 1C44-4332-8E6D
 Copyright: 1922



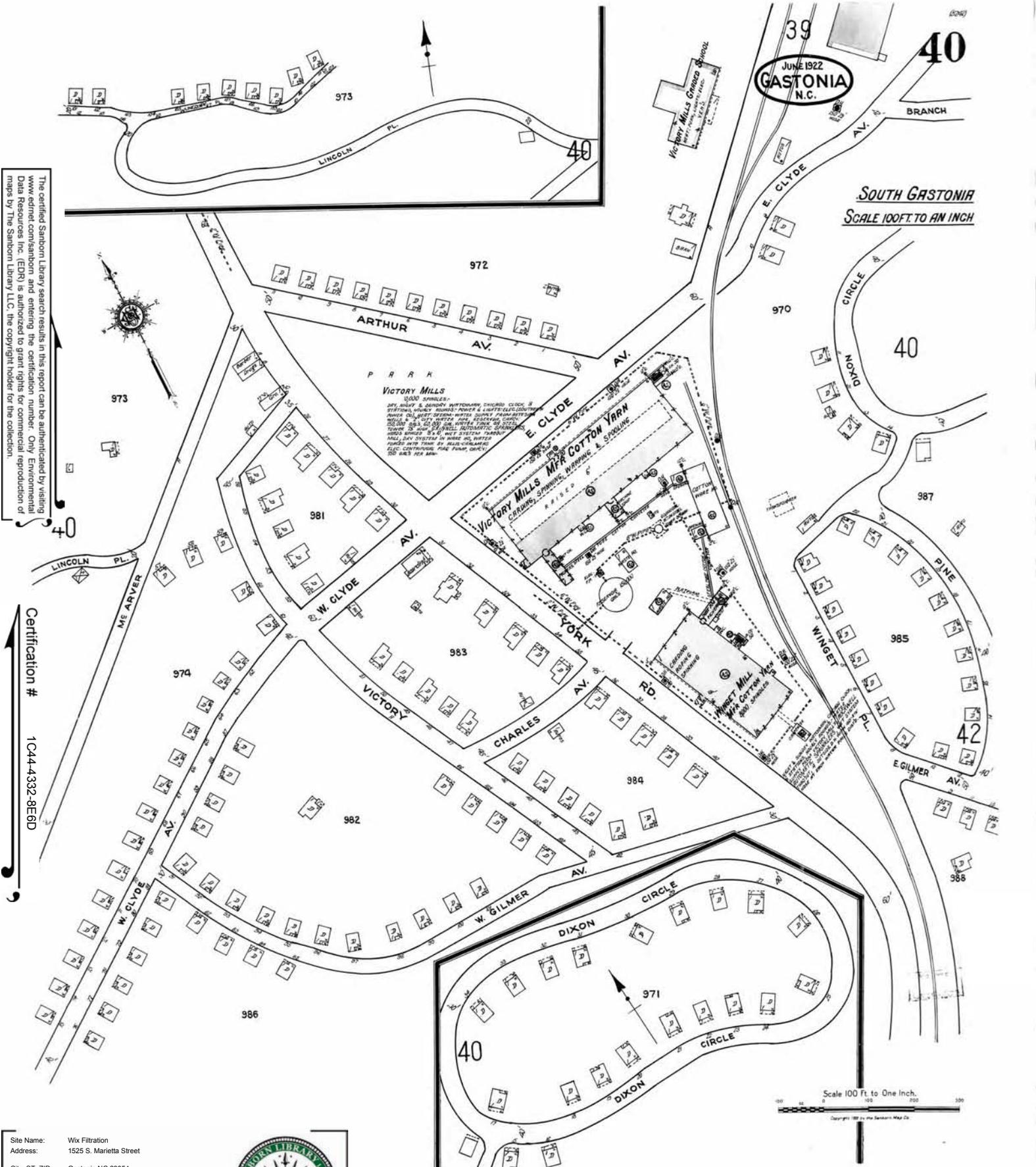
1922 Certified Sanborn Map

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Certification # 1C44-4332-8E6D

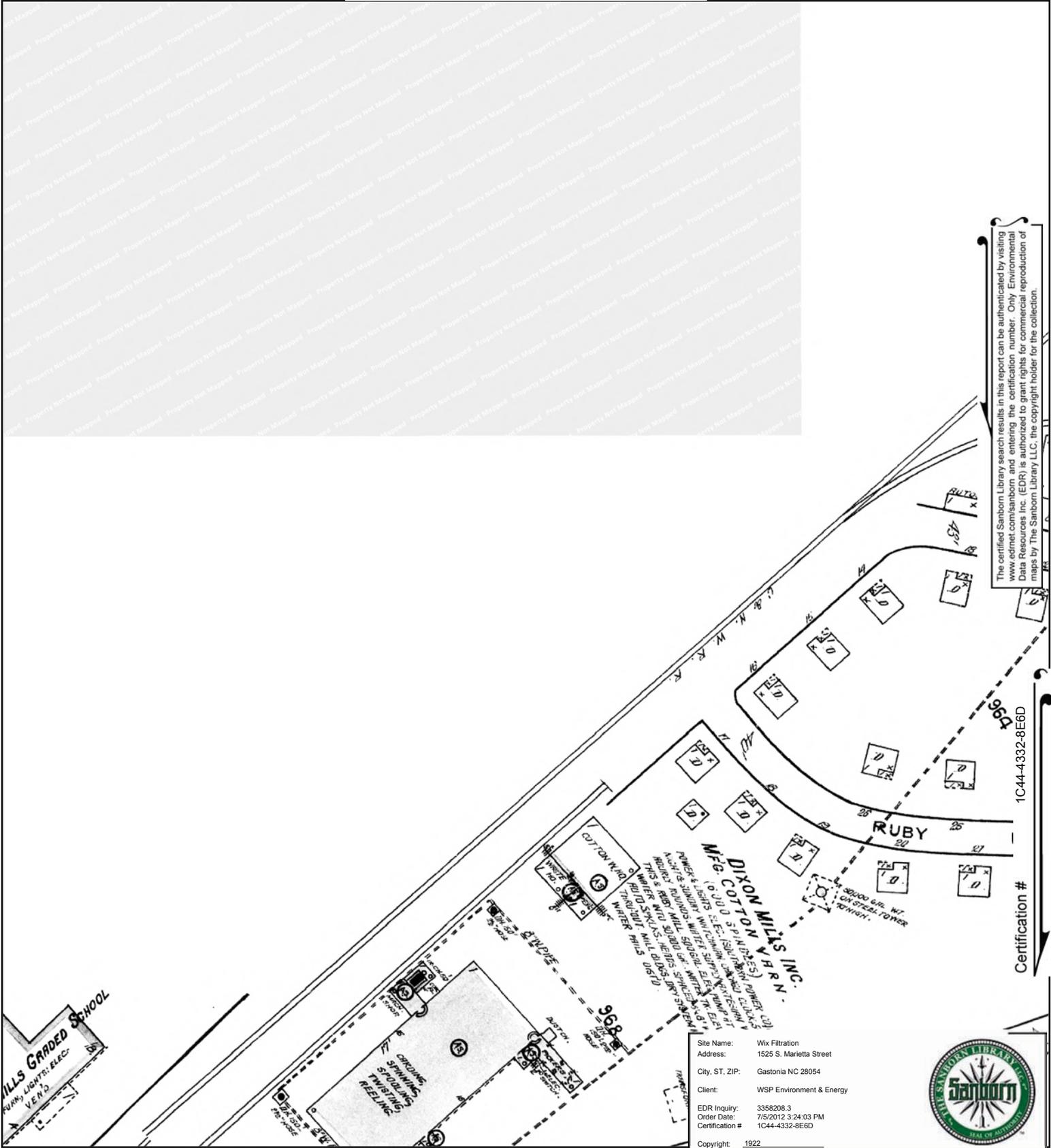
JUNE 1922
GASTONIA
N.C.

SOUTH GASTONIA
SCALE 100 FT. TO AN INCH

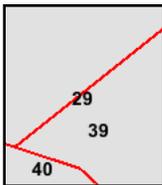


Site Name: Wix Filtration
 Address: 1525 S. Marietta Street
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3358208.3
 Order Date: 7/5/2012 3:24:03 PM
 Certification #: 1C44-4332-8E6D
 Copyright: 1922

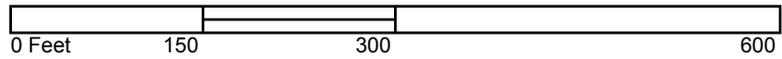
1922 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 29
 Volume 1, Sheet 39
 Volume 1, Sheet 40



Wix Filtration

1525 S. Marietta Street
Gastonia, NC 28054

Inquiry Number: 3358208.7
July 03, 2012

EDR Environmental Lien and AUL Search

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

1525 S. Marietta Street
Wix Filtration
Gastonia, NC 28054

RESEARCH SOURCE

Source 1:

Gaston Register of Deeds
Gaston, NC

PROPERTY INFORMATION

Deed 1:

Type of Deed: Special Warranty Deed
Title is vested in: Wix Filtration Corp.
Title received from: Dana Corporation
Deed Dated: 11/30/2004
Deed Recorded: 12/3/2004
Book: 4083
Page: 2020
Volume: NA
Instrument: NA
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: see exhibit

Legal Current Owner: Wix Filtration Corp. LLC

Parcel # / Property Identifier: 113350

Comments: see exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found Not Found

Deed Exhibit 1



Doc ID: 009364720009 Type: CRP
Recorded: 12/03/2004 at 04:03:54 PM
Fee Amt: \$14,967.00 Page 1 of 9
Excise Tax: \$14,929.00
Instr# 200400022522
Gaston, NC
Alice B. Brown Register of Deeds

BK **4083** PG **2020-2028**

Special Warranty Deed

~~Excise Tax \$14,929.00~~

~~Tax Parcel No.~~

~~Mail after recording to: Simpson Thacher & Bartlett LLP, 425 Lexington Avenue, New York, NY 10017 Attn.: Krista McManus, Esq.~~

~~This instrument prepared by: Simpson Thacher & Bartlett LLP, 425 Lexington Avenue, New York, NY 10017~~

THIS DEED, made and entered into this 30th day of November 2004, by and between Dana Corporation, a Virginia corporation, having an office at c/o 4500 Dorr Street, Toledo, Ohio 43615 ("**Grantor**") and Wix Filtration Corp., a Delaware corporation, having an office at 1 Wix Way, Gastonia, North Carolina, 28054 ("**Grantee**").

WITNESSETH:

That the Grantor in consideration of Ten (\$10.00) Dollars and other good and valuable consideration, paid by the Grantee, the receipt of which is hereby acknowledged, does hereby grant, bargain, sell, convey and release unto the Grantees, the heirs or successors and assigns of the Grantee, in fee simple forever, all those certain lots or parcels of land more particularly described as follows:

See Exhibit A attached hereto and made a part hereof.

TOGETHER with all right, title and appurtenances to the same belonging, if any, of the Grantor in and to any streets and roads abutting the described property;

TOGETHER with the appurtenances and all the estate and rights of the Grantor in and to said property;

SUBJECT to all (a) Permitted Exceptions (as such term is defined in that certain Stock and Asset Purchase Agreement by and between AAG OPCO CORP. and DANA CORPORATION dated as of July 8, 2004) and (b) all ad valorem taxes for the year 2004 and thereafter, special taxes becoming a lien after the date of this Deed, and (c) all easements, covenants, restrictions and other matters of record affecting the above described property

9 RECORDING FEE 38.00
EXCISE TAX PAID 14,929.00
NSFF 25.00

including, without limitation, those identified on Schedule I attached hereto and made a part hereof ((a), (b) and (c) being collectively, the "Exceptions").

TO HAVE AND TO HOLD the aforesaid property herein granted unto the Grantee, the heirs or successors and assigns of the Grantee, in fee simple forever. The Grantor covenants with the Grantee that Grantor has done nothing to impair such title as Grantor received and Grantor will warrant and forever defend the right and title to the above described property unto Grantee, its heirs, successors and assigns, against the lawful claims of all persons owning, holding or claiming by, through or under Grantor other than and subject to the Exceptions.

IN WITNESS WHEREOF, the Grantor has duly executed this Deed the day and year first above written.

DANA CORPORATION

By: A Glenn Paton

Name: A Glenn Paton

Title: Vice President - Treasurer

STATE OF Ohio

COUNTY OF Lucas

I, Susan J. Stewart, a notary public for the aforesaid county, and state, certify that A. Glenn Paton personally came before me this day and acknowledged that he/she is vice ^{Treasurer} President of Dana Corporation, a Virginia corporation, and that he/she as vice ^{Treasurer} President, being authorized to do so, executed the foregoing on behalf of the corporation.

WITNESS my hand and official seal, this 30 day of NOV, 2004.

Susan J. Stewart

Notary Public

My Commission Expires _____



SUSAN J. STEWART
Notary Public, State of Ohio
Commission Expires 3-6-06

[NOTARIAL SEAL]

NORTH CAROLINA, GASTON COUNTY

The foregoing certificate(s) of Susan J. Stewart
Notary Public of Ohio and _____
Notary Public of _____ in _____
instrument was produced for registration and recorded in this office in Book 4083
Page 2470 this 3rd day of December, 2004 at 4:03 P

SUSAN S. LOCKRIDGE REGISTER OF DEEDS [Signature] Deputy

Exhibit A

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 1

BEGINNING at an iron located in the northeast corner of the intersection of Ozark Avenue and Park Lane and running thence with the east margin of the right of way of Park Lane North $43^{\circ} 47' 10''$ West 206.45 feet to an iron (southeast corner of lot No. 402 North Modena Street of the Ranlo Manufacturing Company, Modena Plant, as shown upon a map of said subdivision prepared by Charles S. Kirby, Engineer, in May, 1936, and recorded in Plat Book 4 at Page 63 in the Gaston County Registry); thence with the east margin of lot No. 402 North Modena Street North $7^{\circ} 05' 40''$ East 43.3 feet to an iron; thence continuing with the east margin of said lot No. 402 North Modena Street and with the east margin of lot No. 406 North Modena Street North $1^{\circ} 22' 40''$ East 136.94 feet to an old iron, southeast corner of lot No. 410 North Modena Street; thence with the East margin of said lot No. 410 North Modena Street North $2^{\circ} 11' 30''$ East 94.83 feet to an old iron, southeast corner of said lot No. 410 North Modena Street; thence with the Southern margin of land belonging to L. L. McLean, now or formerly, as described in Deed Book 516 at Page 467 in the Gaston County Registry, South $80^{\circ} 18' 30''$ East 62 feet to an iron, corner of Boyd M. Warren, now or formerly, as described in Deed Book 400 at Page 474 in the Gaston County Registry; thence with the margin of the subdivision of realty belonging to Ozark Investment Company, Inc. and entitled "Old Ozark Mill Property" as shown upon a map of same prepared by John L. Stacy, Registered Surveyor, in October, 1936, and recorded in Plat Book 4 at Page 69 in the Gaston County Registry South $37^{\circ} 37' 40''$ East 218.66 feet to an old iron, southwest corner of Bryte C. Warren as described in that certain conveyance recorded in Deed Book 478 at Page 20 of the Gaston County Registry; thence with the southern margin of said Bryte C. Warren North $56^{\circ} 20' 30''$ East 49.33 feet to an iron, northeast corner of Lot No. 1 in Block C of Ozark Mill property as shown in Plat Book 4 at Page 69; thence with the eastern margin of said lot No. 1 in Block C of Ozark Mill property South $39^{\circ} 53'$ East 120 feet to an iron in the northern margin of Ozark Avenue; thence with the northern margin of Ozark Avenue South $47^{\circ} 30'$ West 257 feet to the point of beginning.

The above description is taken from an unrecorded map prepared by Robinson and Sawyer, Inc., Engineers and Surveyors, in August, 1969, of the premises which the Gaston County Board of Education formerly used as the site of East Elementary School.

Exhibit A
office:

Reference is made to a map of the land belonging to Modena Mills which was prepared by A. W. Hoffman, Surveyor, dated March 20, 1929, and recorded in Plat Book 3 at Page 90 in the Gaston County Registry.

THE LEGIBILITY OF WRITING, TYPING OR PRINTING
UNSATISFACTORY IN THIS DOCUMENT WHEN RECEIVED

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 2:
Parcel A:

TRACT ONE: Being the full contents of Lot Number Six (6) in Block Number One (1) of that certain subdivision of lands known as Ozark Investment Company property situate in the City of Gastonia, North Carolina, as per plat thereof made by John L. Stacy, Registered Surveyor, dated October, 1936, a plat of which is on file in the office of the Register of Deeds for Gaston County, North Carolina, in Plat Book 4 at Page 68, to which reference is hereby made for a complete description of the same by metes and bounds.

Being the identical land conveyed to the party of the first part herein by Lincoln Bonded Warehouse Company by Deed dated February 13, 1939, and filed to be recorded in the Gaston County Registry.

TRACT TWO: Lying and being in the City of Gastonia, Gastonia Township, Gaston County, North Carolina, and described as follows:

Being the full contents of Lots Numbered Three (3), four (4), and five (5) in Block Number One (1) of that certain subdivision of land known as Ozark Investment Company property situated in the City of Gastonia, North Carolina, as per plat thereof made by John L. Stacy, Registered Surveyor, dated October, 1936, a plat of which is on file in the office of the Register of Deeds for Gaston County, North Carolina, in Plat Book 4 at Page 69 to which reference is hereby made for a more complete description of said lots by metes and bounds.

Being the identical land conveyed to the party of the first part herein by W. F. Kincaid, Jr. and wife, Ada C. Kincaid, by Deed dated February 10, 1936, and recorded in the Gaston County Registry.

TRACT THREE: Being the full contents of Lot No. 2 in Block 1 of the Ozark Investment Company property as shown on map or plat thereof, made by John L. Stacy, Surveyor, a copy of which map or plat is filed in the office of the Register of Deeds of Gaston County, North Carolina, in Plat Book 4 at Page 68, to which reference is hereby made for a full and complete description of said lot by metes and bounds. Situated on the above lot is a dwelling house known and designated as No. 1311 East Ozark Street. Said lot faces 63.4 feet on said East Ozark Street and runs back on each side 126 feet, and being 66 feet wide in the rear.

Being the identical land conveyed to the party of the first part herein by Mae Mauney, Widow, by Deed dated September 7, 1943, and recorded in the Gaston County Registry.

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TRACT FOUR: Being the full contents of Lot Number One (1) in Block One (1) of the OZARK INVESTMENT COMPANY property as shown and described on map or plat thereof made by John L. Stacy, Registered Surveyor, a copy of which map or plat is on file and recorded in the office of the Register of Deeds for Gaston County, North Carolina, in Plat Book 4 at Page 69, to which reference is hereby made for a full and complete description of said lot by metes and bounds. Being known as Number 1208 East Ozark Avenue in the City of Gastonia, North Carolina.

Being the identical land conveyed to the party of the first part herein by Roy H. Kennedy, Widower, et als, by Deed dated January 31, 1954, and recorded in Book 710 at Page 572.

TRACT FIVE: Being situated on the southern side of East Ozark Avenue, and being known and designated as No. 1205 and 1207 East Ozark Avenue, Gastonia, N. C., and bounded on the East by Lot No. 1, Block 1 of the Ozark Subdivision, on the South by Central Bonded Warehouse property, and on the West by W. D. Robinson (now or formerly), and more particularly described as follows:

BEGINNING at a stake in the Southern margin of East Ozark Avenue, the Northwest front corner of Lot No. 1, in Block 1 of the Ozark Subdivision, as shown on that plat recorded in the office of the Register of Deeds for Gaston County, N. C., in Plat Book 4 at Page 69, and runs thence with the Western line of said lot South 38 degrees 30 minutes East 100 feet to a stake; thence with the Northern line of Central Bonded Warehouse property South 46 degrees 30 minutes West 96.5 feet to a stake, common corner with W. D. Robinson (now or formerly); thence with the Eastern line of W. D. Robinson (now or formerly) North 38 degrees 30 minutes West 100 feet to a stake in the Southern margin of East Ozark Avenue. W. D. Robinson's (now or formerly) Northeast corner; thence with the Southern margin of East Ozark Avenue North 46 degrees 30 minutes East 96.5 feet to a stake, the point of the beginning. The above description is in accordance with a new survey of said premises made by J. H. Findlay, Registered Surveyor, in June, 1948.

Being the identical land conveyed to the party of the first part herein by Cary C. Boshamer Foundation, Inc. by Deed dated March 26, 1971, and recorded in Book 1054 at Page 423 in the Gaston County Registry.

Parcel B:

BEING the full contents of Lots Numbers 7, 8, and 9, in Block One, of the Property of the Ozark Investment Company, as shown on plat thereof made by John L. Stacy, Registered Surveyor, a copy of said plat being recorded in Plat Book 4, at Page 69, in the office of the Register of Deeds for Gaston County, North Carolina, to which plat reference is hereby made for a metes and bounds description of said lots of realty.

THE LEGIBILITY OF WRITING, TYPING OR PRINTING UNSATISFACTORY IN THIS DOCUMENT WHEN RECEIVED.

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 3:

Beginning at a point in the southwestern right of way boundary of Flint Lane, said point being 54' northwest of and normal to survey station 118+60.74, survey line L; thence in a straight line in a southerly direction to a point 43' northwest of and normal to survey station 118+42 survey line L said point also being located on the northwest right of way boundary of state highway Project 9.8121388, Gaston County; thence in a southeasterly direction along and with the northwestern right of way boundary of state highway Project 9.8121388 being at all points 43' northwesterly of and normal to survey line L of the aforesaid project to the point of intersection with the southwestern property line of North Carolina Department of Transportation (formerly Glenda Morris, et vir) a common property line of North Carolina Department of Transportation (formerly Glenda Turney Morris) and Dana Wix Corporation, now or formerly said point of intersection being 43' northeast of and normal to survey line L; thence along and with the aforesaid common property line S 40° 38' 20" W to an existing iron pin; thence continuing along the aforesaid common property line S 40° 38' 20" W 17.98' to a property corner with North Carolina Department of Transportation (formerly Glenda Turney Morris) and Dana Wix Corporation now or formerly; thence S 2° 51' 16" E 54.13' to a point; thence S 52° 51' 48" E 87.01' to an existing iron pin; thence S 52° 51' 47" E 54.52' to an existing iron pin located in the southeast existing right of way line of Flint Lane; thence along and with the existing right of way line S 37° 42' 12" E to the point and place of beginning and containing approx. .407 acre.

This description was drawn from the Master Plans for highway Project 9.8121388, Gaston County on file in the office of North Carolina Department of Transportation in Raleigh, N. C.

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 4:

Parcel A:

Lying in Gastonia, Gaston County, North Carolina, and being all that certain tract or parcel of land adjoined and bounded on the northwest by the center line of the C. & N.W. Railroad track, on the northeast by Postoria Drive and the lands of Ruby Mills (formerly - now Uniroyal), on the Southeast by South Marietta Street, and being more particularly described by courses and distances as follows, to-wit:

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BEGINNING at a 5 inch galvanized iron pipe in the North-
 west line of South Marietta Street at a point Southwest of the
 West line of Congress Street, a distance of 448.7 feet measured
 with the Northwest line of South Marietta Street, and running
 thence from said Beginning point along the Northwest line of South
 Marietta Street South 51 degrees 51 minutes West 166.53 feet to a
 stake; thence continuing along the Northwest line of South
 Marietta Street South 55 Degrees 47 minutes West 142.64 feet to a
 stake; thence continuing along the Northwest line of South Marietta
 Street South 58 degrees 46 minutes West 224.60 feet to a stake;
 thence continuing along said line of South Marietta Street South
 70 degrees 33 minutes West 297.38 feet to a stake located in the
 right of way of the O. & N.W. Railroad; thence along the North-
 west line of South Marietta Street South 50 degrees 11 minutes
 West 93.38 feet to a 5 inch galvanized pipe; thence leaving South
 Marietta Street South 84 degrees 20 minutes East 13.70 feet to a
 point in the center of the O. & N.W. Railroad track; thence along
 the center of said railroad track North 31 degrees 08 minutes
 East 180 feet to a point in the center of said track; thence con-
 tinuing along the center of said railroad track North 31 degrees
 46 minutes East 542.94 feet to a point in the center of said track;
 thence South 60 degrees 38 minutes East 132.10 feet to a point at
 the back of the sidewalk along the southerly margin of Postoria
 Drive; thence continuing with the southerly margin of Postoria
 Drive and with the back of the sidewalk South 61 degrees 8 minutes
 East 70 feet to a stake; thence continuing along said margin of
 said street South 78 degrees 04 minutes East 64.35 feet to a
 stake; thence continuing with said margin of said street North 83
 degrees 17 minutes East 13.10 feet to a stake in said margin of
 Postoria Drive; thence continuing with said margin of Postoria
 Drive North 77 degrees 32 minutes East 58.9 feet to a stake; thence
 leaving said margin of Postoria Drive South 28 degrees 47 minutes
 East 115.65 feet to a stake at the northerly corner of Lot No. 11
 in Block "C" as shown on plat recorded in Plat Book 11, at Page 90,
 in the Gaston County Registry; thence South 58 degrees 37 minutes
 West 62 feet to the westerly corner of Lot No. 11; thence South
 33 degrees 18 minutes West 174.10 feet to a stake in the South-
 westerly margin of Lot No. 11 as shown on the aforesaid plat;
 thence with said margin of said lot South 43 degrees 41 minutes
 East 76.10 feet to the point of Beginning; comprising 6.8213 acres

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Less And Except:

BEGINNING on the southernmost property corner of the undersigned; running thence in a north-westerly direction along and with the southwestern property line of the undersigned to its point of intersection with the northwestern right of way limits of the project, said point being located 87 feet northwesterly of and normal to survey Line L; running thence in an easterly direction along the northwestern right of way limits of the project in a straight line to a point located 48 feet northwesterly of and normal to Survey Station 114-18, Survey Line L; running thence in a northeasterly direction along the northwestern right of way limits of the project in a straight line to its point of intersection with the northeastern property line of the undersigned, said point being located 48 feet northwesterly of and normal to Survey Line L; running thence in a southeasterly direction along and with the northeastern property line of the undersigned to the easternmost property corner of the undersigned; .. running thence in a southwesterly direction along and with the southeastern property line of the undersigned to the point of BEGINNING.

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 4:

Parcel B:

Beginning at a stake in the Southern margin right of way line of Interstate Highway 85, said beginning stake being determined as follows: Beginning at a stake in the Jenkins Dairy Road, said stake being situate 2,051.93 feet in an easterly direction from the center line of the North bound track of Southern Railroad and running thence North 31 degrees 16 minutes East 450 feet; then South 8 degrees 31 minutes East 692.49 feet to the said beginning stake of the land being conveyed herein and thence South 8 degrees 31 minutes East 198.51 feet to an Old Stone situate in the Western Margin of Rhyme's property; thence North 60 degrees 26 minutes West 250.8 feet to a stake in the Southern Margin right of way line of Interstate Highway 85; thence North 69 degrees 06 minutes East 202.14 feet along the Southern margin right of way line of Interstate Highway 85 to the point of beginning, containing 0.45 acres.

The above notes and bound description is taken from plat of survey made by Findlay, Withers & McConnaughey, Registered Surveyors, July, 1961.

Lying and being in Gaston County, North Carolina, and being more particularly described as follows:

TRACT 5:

BEGINNING at an existing iron at the Northwest corner of Tract No. 1, originally conveyed to Joseph B. Roberts, III, Trustee by deed recorded in Book 1438 at Page 554 in the Gaston County Registry, being located North 76°-05'-38" West 1446.98 feet from the centerline of Union Road (North Carolina Highway #274) and running thence South 76°-05'-38" East 1446.98 feet to the centerline of Union Road (North Carolina Highway #274) and thence South 00°-18'-58" East 359.24 feet to a point in the centerline of Union Road (North Carolina Highway #274); thence North 87°-41'-03" West 988.46 feet to an iron in the Southpines Subdivision line; thence North 54°-41'-19" West 263.31 feet to an iron in the corner of the Helen Brandon property; thence North 21°-37'-36" West 553.83 feet to the Beginning, containing 14.065 acres.

THE LEGIBILITY OF WRITING, TYPING OR PRINTING UNSATISFACTORY IN THIS DOCUMENT WHEN RECEIVED.

Delaware

PAGE 1

The First State

RECORDING FEE \$21.00

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "WIX FILTRATION CORP." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "WIX FILTRATION CORP." TO "WIX FILTRATION CORP LLC", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF JUNE, A.D. 2007, AT 4:09 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE SECOND DAY OF JULY, A.D. 2007.



Doc ID: 013318340004 Type: COR
 Kind: CORPORATION
 Recorded: 08/04/2009 at 09:22:07 AM
 Fee Amt: \$21.00 Page 1 of 4
 Instr# 200900004402
 Gaston, NC
 Susan S. Lockridge Register of Deeds

BK 71 PG 29-32

Doc ID: 013318350004 Type: CRP
 Kind: MISC
 Recorded: 08/04/2009 at 09:22:07 AM
 Fee Amt: \$0.00 Page 1 of 4
 Instr# 200900004403
 Gaston, NC
 Susan S. Lockridge Register of Deeds

BK 4477 PG 1453-1456



3840671 8100V

090748079

You may verify this certificate online at corp.delaware.gov/authver.shtml

Jeffrey W. Bullock, Secretary of State
 AUTHENTICATION: 7452789

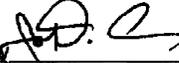
DATE: 08-03-09

State of Delaware
Secretary of State
Division of Corporations
Delivered 04:12 PM 06/29/2007
FILED 04:09 PM 06/29/2007
SRV 070769834 - 3840671 FILE

**STATE OF DELAWARE
CERTIFICATE OF CONVERSION
FROM A CORPORATION TO A LIMITED LIABILITY COMPANY PURSUANT TO
SECTION 18-214 OF THE LIMITED LIABILITY ACT**

1. The jurisdiction where the Corporation was first formed is Delaware.
2. The jurisdiction immediately prior to filing this Certificate is Delaware.
3. The date the Corporation was first formed is August 11, 2004.
4. The name of the Corporation immediately prior to filing this Certificate is Wix Filtration Corp.
5. The name of the limited liability company as set forth in the Certificate of Formation is Wix Filtration Corp LLC.
6. This certificate of conversion shall be effective on 7/2/2007.

IN WITNESS WHEREOF, the undersigned has executed this Certificate on the 26 day of June, 2007.


By _____
John D. Carr
Vice President

Delaware

PAGE 2

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "WIX FILTRATION CORP LLC" FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF JUNE, A.D. 2007, AT 4:09 O'CLOCK P.M.

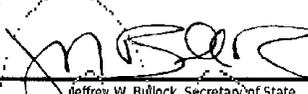
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE SECOND DAY OF JULY, A.D. 2007.



3840671 8100V

090748079

You may verify this certificate online at corp.delaware.gov/authver.shtml


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 7452789

DATE: 08-03-09

State of Delaware
Secretary of State
Division of Corporations
Delivered 04:12 PM 06/29/2007
FILED 04:09 PM 06/29/2007
SRV 070769834 - 3840671 FILE

CERTIFICATE OF FORMATION
OF
WIX FILTRATION CORP LLC

1. The name of the limited liability company is Wix Filtration Corp LLC.
2. The address of its registered office in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, Delaware 19801. The name of its registered agent at such address is The Corporation Trust Company.
3. This Certificate of Formation shall be effective on 7/2/2007.

IN WITNESS WHEREOF, the undersigned have executed this Certificate of Formation of Wix Filtration Corp LLC this 26 day of June, 2007.



John D. Carr
Authorized Person

WSP Environment & Energy
USA
Tel: 703-709-6500
Fax: 703-709-8505
www.wspenvironmental.com/usa

UNITED
BY OUR
DIFFERENCE



Via Electronic Mail

November 19, 2012

Mr. James Hiller
Director of Environmental, Health and Safety
Affinia Group, Inc.
c/o Weston Adams III, Esq.
McAngus Goudelock & Courie
1320 Main St., 10th Floor
Columbia, SC 29201

Re: Phase II Environmental Site Assessment Results
Wix Filtration Corporation Dixon Plant Gastonia, North Carolina

Dear Jim:

WSP Consulting Engineers, P.C. was retained by Affinia Group, Inc. and McAngus Goudelock & Courie (“MGC”) to conduct limited Phase II environmental site assessment activities at the following Wix Filtration Corporation facility:

- Dixon Plant – 1525 South Marietta Street, Gastonia, North Carolina

The purpose of this Phase II assessment was to further evaluate recognized and suspect environmental conditions identified during WSP’s Phase I Environmental Site Assessment conducted on July 16, 2012, and to determine if soil and groundwater impacts are present at the facility. A summary of the investigation activities and findings is provided in this letter report.

Investigation Activities

WSP conducted the Phase II assessments at the facility October 15-18, 2012, in accordance with WSP’s October 9, 2012 proposal to Affinia and MGC. The following scope of work was implemented:

- One soil boring was completed in the former boiler room floor pit area (SB-1). Soil samples were collected from 6 to 8 feet below ground surface (bgs), and 8 to 10 feet bgs for analysis of polychlorinated biphenyls (PCB).
- Two borings were completed in the former underground storage tank (UST) area (SB-2, SB-3). One soil samples per boring was collected beneath UST cavity, for analysis of diesel range organics (DRO) and gasoline range organics (GRO).¹
- Four monitoring wells (MW-1, MW-2, MW-3, and MW-4) were installed at upgradient and downgradient property locations. Groundwater samples were collected from each well for analysis of volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), and Resource Conservation and Recovery Act (RCRA) metals. One soil sample was collected

¹ Two samples per boring were proposed.

from each of the soil borings at the monitoring well locations from the interval with the highest photoionization detector (PID) detection/visual observations (SB-4 through SB-7).²

The soil boring and monitoring well locations for the Dixon Plant are shown on Figure 1.

Soil and Groundwater Sampling Procedures

GeoLab Probing Services, Inc. of Dacula, Georgia was retained to install the soil borings and monitoring wells. The soil borings were advanced to depths of 6 to 58 feet bgs. The termination depth was based on the identified area of concern (i.e., samples were collected beneath the base of a pit) or depth to groundwater (Figure 1).

Soil samples were collected from the ground surface to the termination depth for all borings using a 5-foot long sampler fitted with a new plastic liner. A PID was used in the field to screen soil samples for organic vapors; no organic vapors were detected in the soil at the sample locations. After sample recovery, a lithologic description of the soil material was recorded in a field notebook; boring logs are presented in Enclosure A. All boreholes were backfilled with bentonite after sample collection.

The monitoring wells (MW-1, MW-2, MW-3, and MW-4) were installed to depths of 25 to 58 feet bgs using a direct-push drill rig (Figure 1). The wells were constructed of 0.75-inch diameter polyvinyl chloride (PVC) casing with a 5-foot section of pre-packed 0.01-inch slotted screen. The remaining annular space was backfilled with approximately 2 feet of filter sand, followed by a bentonite seal. All wells were fitted with a slip cap and flush-mount manhole cover. Boring logs and well permits are presented in Enclosure A; monitoring well survey data is presented in Enclosure B.

Groundwater samples were collected using new, dedicated polyethylene tubing equipped with bottom check valves and a peristaltic pump; VOC samples were not drawn through the pump head. Dissolved metals were field filtered using 0.45 micron filters.

The soil and groundwater samples were collected in laboratory-provided sample containers. The containers were labeled and placed in a cooler on ice following chain-of-custody protocols. The samples were couriered to Pace Analytical Services, Inc. in Huntersville, North Carolina for laboratory analysis. Investigation derived waste was containerized and labeled in accordance with WSP standard operating procedures.

Applicable Regulatory Standards

The soil data were compared to the North Carolina residential health-based, industrial health-based and protection of groundwater (for leachable concentrations of contaminants) preliminary soil remediation goals (PSRG) (July 2012). Groundwater data were compared to the North Carolina groundwater standards (15A NCAC 2L.0202, January 2010).

² No evidence of contamination was observed; therefore samples were collected above the water table.

Hydrogeology

The site is located in the Charlotte Belt geologic region. In general, the site is underlain by a silty clay saprolite (chemically weathered rock); bedrock beneath the site consists of Upper Paleozoic-age granite.

The depth to groundwater at the Dixon Plant is approximately 32 to 49 feet bgs (Table 1). The direction of groundwater flow is towards the northeast (Figure 3). There was no measureable groundwater accumulated within monitoring well MW-2, although a water bearing zone was encountered between 20 to 25 feet bgs (Enclosure A).

Sampling Results

Soil analytical data is summarized in Table 2. Groundwater analytical data is summarized in Table 3. Laboratory analytical data reports are presented in Enclosure C.

No VOCs, PAHs, DRO or GRO were detected above laboratory reporting limits in the soil samples collected. The following parameters were detected above PSRGs:

Parameter	Sample	Concentration ³	Residential	Industrial	Protection of Groundwater
PCB-1260	SB-1 6- 8 feet bgs	368	1,000	1,000	140
	SB-1 8- 10 feet bgs	529			
		<u>1,260⁴</u>			
Arsenic	SB-4 33.5-35.5 feet bgs	<u>1.7</u>	0.39	1.6	5.8
	SB-5 15-17 feet bgs	<u>2.3</u>			
		<u>2.5⁴</u>			
	SB-6 51-53 feet bgs	<u>2.8</u>			
	SB-7 31-33 feet bgs	<u>1.9</u>			
Selenium	SB-5 15-17 feet bgs	3.8	78	1,000	2.1
		2.8⁴			
	SB-6 51-53 feet bgs	2.9			

No VOCs or PAHs were detected above laboratory reporting limits in the groundwater samples collected from the newly installed monitoring wells; no sample was collected from MW-2 due to insufficient groundwater volume. No dissolved metals were detected except barium, which was detected at concentrations ranging from 51.5 to 85.9 micrograms per liter ($\mu\text{g/l}$) in MW-1, MW-3, and MW-4, below the North Carolina groundwater standard of 700 $\mu\text{g/l}$.

Conclusions

Soil and groundwater samples were collected at Dixon Plant to further evaluate several suspect and recognized environmental conditions identified during a recent Phase I environmental

³ Organics presented as micrograms per kilogram ($\mu\text{g/kg}$); metals presented as milligrams per kilogram (mg/kg). Italicized values indicate concentration greater than residential PSRG. Underlined values indicate concentration greater than industrial PSRG. Bold values indicate concentration greater than protection of groundwater PSRG.

⁴ Duplicate sample.

assessment of the property. The following conclusions are based on sample data collected during WSP's limited Phase II assessments:

- PCB affected soils were identified in the vicinity of the former boiler room floor pit at concentrations greater than the residential, industrial, and protection of groundwater PSRGs.
- All soil samples collected contained arsenic at concentrations greater than the residential and industrial PSRGs. In the North Carolina Department of Agriculture and Consumer Services (NCDACS) September 2008 publication "Heavy Metals in North Carolina Soils", the average arsenic concentration in North Carolina soil is 4.5 mg/kg. Therefore, WSP believes that the presence of arsenic at concentrations greater than the health-based PSRGs is not likely related to site activities, and reflects the chemical composition of the native soils. In the 2011 North Carolina Inactive Hazardous Sites Program Guidelines for Assessment and Cleanup, cleanup is not required to below site-specific natural background concentrations when a Health-Based PSRG is exceeded.⁴
- Selenium was detected at concentrations slightly higher than the protection of groundwater PSRG; selenium was not detected in any groundwater samples collected. Although selenium concentrations detected in site soils are greater than the average published by NCDACS (0.2 mg/kg), selenium was not identified as a chemical used in plant processes and the measured concentrations are likely indicative of the chemical composition of the native soils. If the protection of groundwater PSRG is exceeded, cleanup is not required if residual soil concentrations do not exceed the site-specific natural background concentrations.
- No groundwater impacts (i.e., no North Carolina groundwater standard was exceeded) were identified by the samples collected from the newly installed monitoring wells.

Please feel free to contact me at (412) 604-1040 if you have any questions or need additional information.

Sincerely,



Erin Huntley
Technical Manager

EMH:JAH:paw

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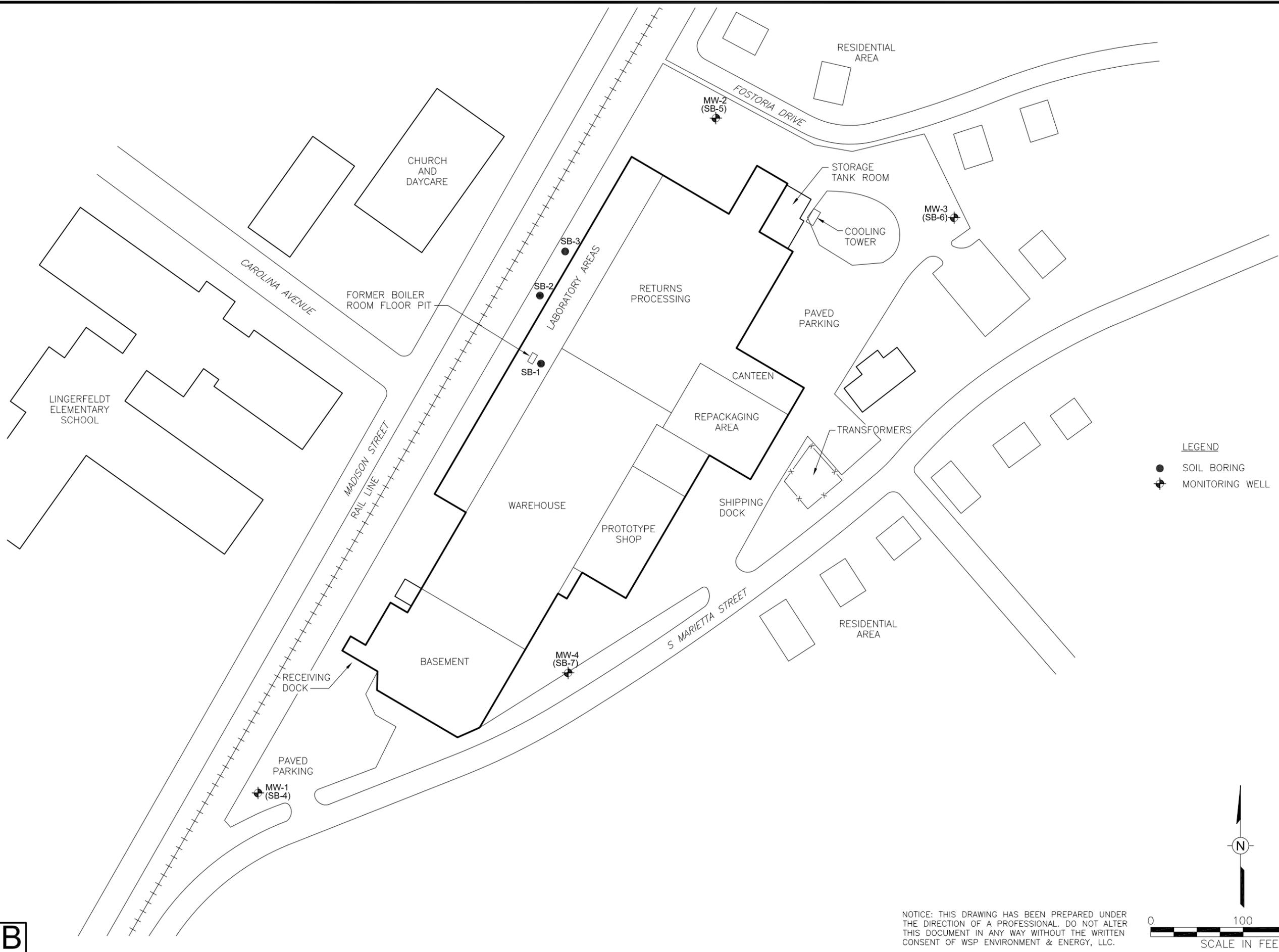
Enclosures

⁴ Site specific background is established by collecting a minimum of 5 soil samples located away from potential sources of contamination from depths and soil types that are representative of contaminated soils. The results are then analyzed statistically to determine a representative background concentration.

Figures

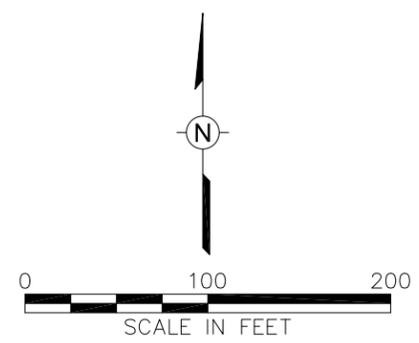
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B



LEGEND

- SOIL BORING
- ⊕ MONITORING WELL



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Drawn By: EGC
 Checked: *Egork* 10/12/2012
 Approved: *MPG* 11/19/2012
 DWG Name: 00035106-001

1525 SOUTH MARIETTA STREET
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA GROUP INC.
 ANN ARBOR, MICHIGAN

Figure 1
 DIXON PLANT - SOIL BORING AND
 MONITORING WELL LOCATIONS

WSP
 WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia 20191
 (703) 709-6500
 www.wspenvironmental.com/usa

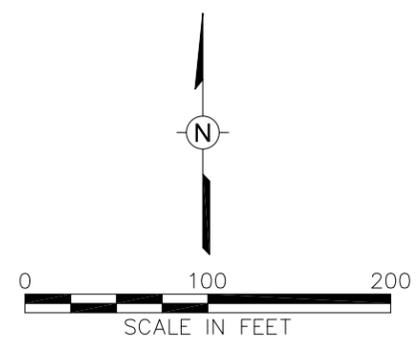
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B



LEGEND

-  MONITORING WELL
-  750.54 GROUNDWATER ELEVATION (FEET MSL)
-  GROUNDWATER ELEVATION CONTOUR (FEET MSL)



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 Approved: *M.P.G.* 11/19/2012
 DWG Name: 00035106-002

1525 SOUTH MARIETTA STREET
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA GROUP INC.
 ANN ARBOR, MICHIGAN

Figure 2
 DIXON PLANT - POTENTIOMETRIC SURFACE
 OCTOBER 2012

WSP
 WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia 20191
 (703) 709-6500
 www.wspenvironmental.com/usa

Tables

Table 1
Well Construction and Groundwater Elevation Summary
Dixon Plant
Project Double Eagle
November 19, 2012 (a)

<u>Plant</u>	<u>Well</u>	<u>Northing</u>	<u>Easting</u>	<u>Screened Interval (ft-bgs)</u>	<u>Well Diameter (inches)</u>	<u>Top-of-Casing (ft-msl)</u>	<u>Ground Surface (ft-msl)</u>	<u>Depth to Water (ft-btoc)</u>	<u>Potentiometric Surface (ft-msl)</u>
Dixon	MW-1	549395.2	1345639	35 - 40	0.75	796.83	796.91	35.93	760.9
	MW-2	550016.6	1346394	20 - 25	0.75	799.85	800	24.3	>775.55
	MW-3	550124.2	1346135	53 - 58	0.75	792.87	793.06	49.31	743.56
	MW-4	549524.9	1345975	35 - 40	0.75	786.92	786.92	32.2	754.72

a/ ft-bgs = feet below ground surface; ft-msl = feet mean sea level; ft-btoc = feet below top of casing; ">" = greater than.

Table 2
Soil Analytical Results
Dixon Plant
Project Double Eagle
November 19, 2012 (a)

Parameters	Plant: Dixon Plant													
	North Carolina PSRGs			SB-1		SB-2		SB-3		SB-4	SB-5		SB-6	SB-7
	Residential	Industrial	Groundwater	6-8	8-10	8-10	10-12	15-17	15-17	33.5-35.5	15-17	15-17	51-53	31-33
	Depth (ft-bgs):			10/15/2012	10/15/2012	10/15/2012 (b)	10/16/2012	10/16/2012	10/16/2012 (b)	10/15/2012	10/16/2012	10/16/2012 (b)	10/15/2012	10/16/2012
Volatile Organic Compounds (µg/kg)														
Acetone	12,000,000	100,000,000	24,000	-	-	-	-	-	-	105 U (d)	116 U	118 U	107 U	149 U
Benzene	1,100	5,400	7.3	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Bromobenzene	60,000	360,000	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Bromochloromethane	32,000	140,000	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Bromodichloromethane	270	1,400	2.9	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Bromoform	62,000	220,000	19	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Bromomethane	1,500	6,400	48	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U
2-Butanone (MEK)	5,600,000	28,000,000	16,000	-	-	-	-	-	-	105 U	116 U	118 U	107 U	149 U
n-Butylbenzene	110,000	110,000	2,400	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
sec-Butylbenzene	-	-	2,200	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
tert-Butylbenzene	-	-	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Carbon tetrachloride	610	3,000	2.1	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Chlorobenzene	58,000	280,000	430	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Chloroethane	2,100,000	2,100,000	16,000	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U
Chloroform	290	1,500	340	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Chloromethane	24,000	100,000	15	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U
2-Chlorotoluene	320,000	910,000	1,200	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
4-Chlorotoluene	250,000	250,000	280	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Dibromochloromethane	680	3,300	1.9	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	14.9 U
1,2-Dibromo-3-chloropropane	5.4	69	0.25	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2-Dibromoethane (EDB)	34	170	0.097	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Dibromomethane	5,000	22,000	310	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2-Dichlorobenzene	380,000	380,000	240	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,3-Dichlorobenzene	-	-	2,400	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,4-Dichlorobenzene	2,400	12,000	70	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Dichlorodifluoromethane	19,000	80,000	29,000	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	7.5 U
1,1-Dichloroethane	3,300	17,000	30	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2-Dichloroethane	430	2,200	2	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
cis-1,2-Dichloroethene	32,000	400,000	360	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
trans-1,2-Dichloroethene	30,000	140,000	510	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1-Dichloroethene	48,000	220,000	45	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2-Dichloropropane	940	4,700	3.2	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,3-Dichloropropane	320,000	1,500,000	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
2,2-Dichloropropane	-	-	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
cis-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
trans-1,3-Dichloropropene	-	-	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1-Dichloropropene	-	-	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Diisopropyl ether	480,000	2,000,000	320	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Ethylbenzene	5,400	27,000	8,100	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Hexachloro-1,3-butadiene	6,200	22,000	8.7	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
2-Hexanone	42,000	280,000	170	-	-	-	-	-	-	52.6 U	57.8 U	59.2 U	53.7 U	74.5 U
Isopropylbenzene (Cumene)	270,000	270,000	1,300	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
p-Isopropyltoluene	-	-	680	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Methylene Chloride	56,000	620,000	23	-	-	-	-	-	-	21 U	23.1 U	23.7 U	21.5 U	29.8 U
4-Methyl-2-pentanone (MIBK)	1,100,000	3,400,000	430	-	-	-	-	-	-	52.6 U	57.8 U	59.2 U	53.7 U	74.5 U
Methyl-tert-butyl ether	43,000	220,000	85	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Naphthalene	3,600	18,000	210	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
n-Propylbenzene	260,000	260,000	1,500	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Styrene	870,000	870,000	920	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1,1,2-Tetrachloroethane	1,900	9,300	5.9	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1,2,2-Tetrachloroethane	560	2,800	1.2	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Tetrachloroethene	17,000	82,000	5	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Toluene	820,000	820,000	5,500	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2,3-Trichlorobenzene	9,800	98,000	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,2,4-Trichlorobenzene	12,000	54,000	2,200	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1,1-Trichloroethane	640,000	640,000	1,200	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
1,1,2-Trichloroethane	320	1,400	3.2	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Trichloroethene	880	4,000	18	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U
Trichlorofluoromethane	160,000	680,000	24,000	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U

Bold italic values result > RPSRG
Shaded values result > IPSRG
Boxed values result > GWPSRG

Table 2
Soil Analytical Results
Dixon Plant
Project Double Eagle
November 19, 2012

Parameters	Plant: Dixon Plant														
	North Carolina PSRGs	SB-1		SB-2	SB-3		SB-4	SB-5		SB-6	SB-7				
		Residential	Industrial	Groundwater	6-8	8-10	8-10	10-12	15-17	15-17	33.5-35.5	15-17	15-17	51-53	31-33
					Depth (ft-bgs):	6-8	8-10	8-10	10-12	15-17	15-17	33.5-35.5	15-17	15-17	51-53
Sample Date:	10/15/2012	10/15/2012	10/15/2012 (b)	10/16/2012	10/16/2012	10/16/2012 (b)	10/15/2012	10/16/2012	10/16/2012 (b)	10/15/2012	10/16/2012				
Polycyclic Aromatic Hydrocarbons (µg/kg)															
1,2,3-Trichloropropane	5	95	0.032	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U	
1,2,4-Trimethylbenzene	12,000	52,000	6,700	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U	
1,3,5-Trimethylbenzene	160,000	180,000	6,700	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U	
Vinyl acetate	190,000	820,000	370	-	-	-	-	-	-	52.6 U	57.8 U	59.2 U	53.7 U	74.5 U	
Vinyl chloride	60	1,700	0.19	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U	
m&p-Xylene	-	-	-	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U	
o-Xylene	140,000	430,000	-	-	-	-	-	-	-	5.3 U	5.8 U	5.9 U	5.4 U	7.5 U	
Xylene (Total)	130,000	260,000	5,800	-	-	-	-	-	-	10.5 U	11.6 U	11.8 U	10.7 U	14.9 U	
Acenaphthene	680,000	6,600,000	8,400	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Acenaphthylene	-	-	21,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Anthracene	3,400,000	34,000,000	660,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Benzo(a)anthracene	150	2,100	180	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Benzo(a)pyrene	15	210	59	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Benzo(b)fluoranthene	150	2,100	600	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Benzo(g,h,i)perylene	-	-	7,800,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Benzo(k)fluoranthene	1,500	21,000	5,900	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Indeno(1,2,3-cd)pyrene	150	2,100	2,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Chrysene	15,000	210,000	18,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Dibenz(a,h)anthracene	15	210	190	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Fluoranthene	460,000	4,400,000	330,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Fluorene	460,000	4,400,000	56,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
1-Methylnaphthalene	16,000	53,000	55	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
2-Methylnaphthalene	46,000	370,000	1,600	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Naphthalene	3,600	18,000	210	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Phenanthrene	-	-	-	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Pyrene	340,000	3,400,000	220,000	-	-	-	-	-	-	426 U	387 U	385 U	380 U	394 U	
Total Petroleum Hydrocarbons (mg/kg)															
Diesel Components	-	-	-	-	-	-	6.3 U	6.4 U	6.2 U	-	-	-	-	-	
Gasoline Range Organics	-	-	-	-	-	-	6.9 U	8.6 U	8.2 U	-	-	-	-	-	
Polychlorinated Biphenyls (PCB) (µg/kg)															
PCB-1016 (Aroclor 1016)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1221 (Aroclor 1221)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1232 (Aroclor 1232)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1242 (Aroclor 1242)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1248 (Aroclor 1248)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1254 (Aroclor 1254)	-	-	-	33.3 U	41 U	203 U	-	-	-	-	-	-	-	-	
PCB-1260 (Aroclor 1260)	-	-	-	368	529	1,260	-	-	-	-	-	-	-	-	
PCBs, Total	1,000	1,000	140	368	529	1,260	-	-	-	-	-	-	-	-	
Metals (mg/kg)															
Arsenic	0.39	1.6	5.8	-	-	-	-	-	-	1.7	2.3	2.5	2.8	1.9	
Barium	3,000	38,000	580	-	-	-	-	-	-	47.2	139	175	154	220	
Cadmium	14	160	3	-	-	-	-	-	-	0.12 U	1.2	0.6	0.61	0.8	
Chromium	-	-	-	-	-	-	-	-	-	1.4	6.2	3.9	5.3	6.4	
Lead	400	800	270	-	-	-	-	-	-	9.7	16	18.1	6.2	5.9	
Selenium	78	1,000	2.1	-	-	-	-	-	-	1.6	3.8	2.8	2.9	1.1 U	
Silver	78	1,000	3.4	-	-	-	-	-	-	0.61 U	0.52 U	0.54 U	0.5 U	0.57 U	
Mercury	2	3.1	1	-	-	-	-	-	-	0.0059 U	0.021	0.02	0.0039 U	0.0046 U	

a/ ft-bgs = feet below ground surface; PSRG = Preliminary Soil Remediation Goal; µg/kg = micrograms per kilogram; mg/kg = milligrams per kilogram; "-" indicates criterion not developed or analysis not performed.
b/ Sample and duplicate.
c/ North Carolina Preliminary Soil Remediation Goals, July 2012.
d/ Data Qualifiers:
U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

Bold italic values result > RPSRG
Shaded values result > IPSRG
Boxed values result > GWPSRG

Table 3
Groundwater Analytical Results
Dixon Plant
Project Double Eagle
November 19, 2012 (a)

<u>Parameters</u>	Plant:		Dixon			
	Monitoring Well:	MW-1	MW-2	MW-3	MW-4	
	Sample Date:	10/18/2012	10/18/2012 (b)	10/18/2012 (c)	10/18/2012	10/18/2012
North Carolina						
GW Standard (d)						
Volatile Organic Compounds (µg/l)						
Acetone	6,000	25 U(e)	25 U	-	25 U	25 U
Benzene	1	1 U	1 U	-	1 U	1 U
Bromobenzene	-	1 U	1 U	-	1 U	1 U
Bromochloromethane	-	1 U	1 U	-	1 U	1 U
Bromodichloromethane	0.6	1 U	1 U	-	1 U	1 U
Bromoform	4	1 U	1 U	-	1 U	1 U
Bromomethane	-	2 U	2 U	-	2 U	2 U
2-Butanone (MEK)	4,000	5 U	5 U	-	5 U	5 U
Carbon tetrachloride	0.3	1 U	1 U	-	1 U	1 U
Chlorobenzene	50	1 U	1 U	-	1 U	1 U
Chloroethane	3,000	1 U	1 U	-	1 U	1 U
Chloroform	70	1 U	1 U	-	1 U	1 U
Chloromethane	3	1 U	1 U	-	1 U	1 U
2-Chlorotoluene	100	1 U	1 U	-	1 U	1 U
4-Chlorotoluene	-	1 U	1 U	-	1 U	1 U
Dibromochloromethane	0.4	1 U	1 U	-	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	-	5 U	5 U
1,2-Dibromoethane (EDB)	0.02	1 U	1 U	-	1 U	1 U
Dibromomethane	-	1 U	1 U	-	1 U	1 U
1,2-Dichlorobenzene	20	1 U	1 U	-	1 U	1 U
1,3-Dichlorobenzene	200	1 U	1 U	-	1 U	1 U
1,4-Dichlorobenzene	6	1 U	1 U	-	1 U	1 U
Dichlorodifluoromethane	1,000	1 U	1 U	-	1 U	1 U
1,1-Dichloroethane	6	1 U	1 U	-	1 U	1 U
1,2-Dichloroethane	0.4	1 U	1 U	-	1 U	1 U
1,1-Dichloroethene	7	1 U	1 U	-	1 U	1 U
cis-1,2-Dichloroethene	70	1 U	1 U	-	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	-	1 U	1 U
1,2-Dichloropropane	0.6	1 U	1 U	-	1 U	1 U
1,3-Dichloropropane	-	1 U	1 U	-	1 U	1 U
2,2-Dichloropropane	-	1 U	1 U	-	1 U	1 U
1,1-Dichloropropene	-	1 U	1 U	-	1 U	1 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	-	1 U	1 U
trans-1,3-Dichloropropene	0.4	1 U	1 U	-	1 U	1 U
Diisopropyl ether	-	1 U	1 U	-	1 U	1 U
Ethylbenzene	600	1 U	1 U	-	1 U	1 U
Hexachloro-1,3-butadiene	-	1 U	1 U	-	1 U	1 U
2-Hexanone	-	5 U	5 U	-	5 U	5 U
p-Isopropyltoluene	-	1 U	1 U	-	1 U	1 U
Methylene Chloride	5	2 U	2 U	-	2 U	2 U
4-Methyl-2-pentanone (MIBK)	-	5 U	5 U	-	5 U	5 U
Methyl-tert-butyl ether	20	1 U	1 U	-	1 U	1 U

Shaded values result > North Carolina Standard

Table 3
Groundwater Analytical Results
Dixon Plant
Project Double Eagle
November 19, 2012

<u>Parameters</u>	<u>North Carolina GW Standard (d)</u>	<u>Plant: Dixon</u>				
		<u>Monitoring Well: MW-1</u>		<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>
		<u>Sample Date: 10/18/2012</u>	<u>10/18/2012 (b)</u>	<u>10/18/2012 (c)</u>	<u>10/18/2012</u>	<u>10/18/2012</u>
Naphthalene	6	1 U	1 U	-	1 U	1 U
Styrene	70	1 U	1 U	-	1 U	1 U
1,1,1,2-Tetrachloroethane	-	1 U	1 U	-	1 U	1 U
1,1,1,2,2-Tetrachloroethane	0.2	1 U	1 U	-	1 U	1 U
Tetrachloroethene	0.7	1 U	1 U	-	1 U	1 U
Toluene	600	1 U	1 U	-	1 U	1 U
1,2,3-Trichlorobenzene	-	1 U	1 U	-	1 U	1 U
1,2,4-Trichlorobenzene	70	1 U	1 U	-	1 U	1 U
1,1,1-Trichloroethane	200	1 U	1 U	-	1 U	1 U
1,1,2-Trichloroethane	-	1 U	1 U	-	1 U	1 U
Trichloroethene	3	1 U	1 U	-	1 U	1 U
Trichlorofluoromethane	2,000	1 U	1 U	-	1 U	1 U
1,2,3-Trichloropropane	0.005	1 U	1 U	-	1 U	1 U
Vinyl acetate	-	2 U	2 U	-	2 U	2 U
Vinyl chloride	0.03	1 U	1 U	-	1 U	1 U
m&p-Xylene	-	2 U	2 U	-	2 U	2 U
o-Xylene	-	1 U	1 U	-	1 U	1 U
Xylene (Total)	500	2 U	2 U	-	2 U	2 U
Polycyclic Aromatic Hydrocarbons (µg/l)						
Acenaphthene	80	10 U	10 U	-	10 U	10 U
Acenaphthylene	200	10 U	10 U	-	10 U	10 U
Anthracene	2,000	10 U	10 U	-	10 U	10 U
Benzo(a)anthracene	0.05	10 U	10 U	-	10 U	10 U
Benzo(a)pyrene	0.005	10 U	10 U	-	10 U	10 U
Benzo(b)fluoranthene	0.05	10 U	10 U	-	10 U	10 U
Benzo(g,h,i)perylene	200	10 U	10 U	-	10 U	10 U
Benzo(k)fluoranthene	0.5	10 U	10 U	-	10 U	10 U
Chrysene	5	10 U	10 U	-	10 U	10 U
Dibenz(a,h)anthracene	0.005	10 U	10 U	-	10 U	10 U
Fluoranthene	300	10 U	10 U	-	10 U	10 U
Fluorene	300	10 U	10 U	-	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.05	10 U	10 U	-	10 U	10 U
1-Methylnaphthalene	-	10 U	10 U	-	10 U	10 U
2-Methylnaphthalene	30	10 U	10 U	-	10 U	10 U
Naphthalene	6	10 U	10 U	-	10 U	10 U
Phenanthrene	200	10 U	10 U	-	10 U	10 U
Pyrene	200	10 U	10 U	-	10 U	10 U

Shaded values result > North Carolina Standard

Table 3
Groundwater Analytical Results
Dixon Plant
Project Double Eagle
November 19, 2012

<u>Parameters</u>	Plant:		Dixon			
	Monitoring Well:	MW-1	MW-2	MW-3	MW-4	
	Sample Date:	10/18/2012	10/18/2012 (b)	10/18/2012 (c)	10/18/2012	
	<u>North Carolina</u>					
	<u>GW Standard (d)</u>					
Dissolved Metals (µg/l)						
Arsenic	10	5 U	5 U	-	5 U	5 U
Barium	700	85.9	85.3	-	51.5	70.3
Cadmium	2	1 U	1 U	-	1 U	1 U
Chromium	10	5 U	5 U	-	5 U	5 U
Lead	15	5 U	5 U	-	5 U	5 U
Selenium	20	10 U	10 U	-	10 U	10 U
Silver	20	5 U	5 U	-	5 U	5 U
Mercury	1	0.2 U	0.2 U	-	0.2 U	0.2 U

- a/ GW = groundwater; µg/l = micrograms per liter; "-" indicates criterion not developed or analysis not performed, ">" = greater than.
b/ Duplicate sample MW-100.
c/ Insufficient groundwater accumulated within the well at the time of sample collection; no groundwater sample collected.
d/ North Carolina Groundwater Standard, 15A NCAC 2L.0202, January 1, 2010.
e/ Data Qualifiers:
U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

Shaded values result > North Carolina Standard

Enclosure A

Boring Log: MW-1 (SB-4)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/15/2012

Surface Elevation (feet AMSL*): 796.91

TOC Elevation (feet AMSL*): 796.83

Total Depth (feet): 40

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
0					Asphalt	Asphalt.	
2		0		70	Topsoil, brown (10 YR 4/7), silt; firm; moist.	Topsoil, brown (10 YR 4/7), silt; firm; moist.	
4					Silt (ML) Clayey silt, light brown (2.5 YR 6/4); firm; moist.	Silt (ML) Clayey silt, light brown (2.5 YR 6/4); firm; moist.	
6		0		100	Silt (ML) Clayey silt, tan (2.5 YR 5/6), some fine-and medium-grained sand; firm; moist.	Silt (ML) Clayey silt, tan (2.5 YR 5/6), some fine-and medium-grained sand; firm; moist.	
8							
10							
12		0		100			
14							
16					Silt (ML) Clayey silt, tan (2.5 YR 5/6); firm; friable; moist.	Silt (ML) Clayey silt, tan (2.5 YR 5/6); firm; friable; moist.	
18		0		100			
20							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: MW-1 (SB-4)

Project: Double Eagle - Dixon

Surface Elevation (feet AMSL*): 796.91

Project No.: 32538

TOC Elevation (feet AMSL*): 796.83

Location: Gastonia, North Carolina

Total Depth (feet): 40

Completion Date: 10/15/2012

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
22		0		80		<p>Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite, some fine-and medium-grained sand; friable; moist to wet at 35.5 feet.</p>	
24							
26		0		100			
28							
30							
32		0		100			
34							
36							
38		0		100			
40							

Bottom of Boring at 40 feet

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
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Boring Log: MW-2 (SB-5)

Project: Double Eagle - Dixon

Surface Elevation (feet AMSL*): 793.06

Project No.: 32538

TOC Elevation (feet AMSL*): 792.87

Location: Gastonia, North Carolina

Total Depth (feet): 25

Completion Date: 10/16/2012

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
2		0		60		Asphalt. Poorly-Graded Gravel (GP) Gravel.	
4						Silt (ML) Clayey silt, orangish brown (5 YR 6/8), weathered saprolite; friable; moist.	
6							
8		0		60			
10							
12						Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite; friable; moist to wet at 18 feet.	
14							
16							
18		0		80			
20							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

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Boring Log: MW-2 (SB-5)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/16/2012

Surface Elevation (feet AMSL*): 793.06

TOC Elevation (feet AMSL*): 792.87

Total Depth (feet): 25

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
22		0		90		Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite; friable; moist to wet at 18 feet. <i>(continued)</i>	
24							
26						Bottom of Boring at 25 feet	
28							
30							
32							
34							
36							
38							
40							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
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 (703) 706-6500

Boring Log: MW-3 (SB-6)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/15/2012

Surface Elevation (feet AMSL*): 800.00

TOC Elevation (feet AMSL*): 799.85

Total Depth (feet): 58

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
2		0		60	Asphalt.		
					Poorly-Graded Gravel (GP) Gravel.		
4					Silt (ML) Clayey silt, orangish red (5 YR 5/8); firm; moist.		
					Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, light gray (10 YR 7/1); loose; moist.		
6					Silt (ML) Clayey silt, orangish red (5 YR 5/8); firm; moist.		
8		0		60	Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, tan (2.5 YR 5/6); loose; moist.		
10					Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, white (7.5 YR 8/1); loose; moist.		
12		0		60			
14					Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite, mica; loose; moist.		
16							
18		0		70			
20							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: MW-3 (SB-6)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/15/2012

Surface Elevation (feet AMSL*): 800.00

TOC Elevation (feet AMSL*): 799.85

Total Depth (feet): 58

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
22		0		75		Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite, mica; loose; moist. (continued)	
24							
26		0		75		Silt (ML) Clayey silt, yellow brown (10 YR 6/6), weathered saprolite, mica; loose; friable; moist.	
28							
30							
32		0		90			
34							
36							
38		0		90		Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite, mica; loose; friable; moist to wet at 53. Refusal on weathered gneiss.	
40							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: MW-3 (SB-6)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/15/2012

Surface Elevation (feet AMSL*): 800.00

TOC Elevation (feet AMSL*): 799.85

Total Depth (feet): 58

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
42		0		90		<p>Silt (ML) Clayey silt, tan (2.5 YR 5/6), weathered saprolite, mica; loose; friable; moist to wet at 53. Refusal on weathered gneiss. <i>(continued)</i></p>	
44							
46		0		85			
48							
50							
52		0		80			
54							
56		0		70			
58						Bottom of Boring at 58 feet	
60							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: MW-4 (SB-7)

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/16/2012

Surface Elevation (feet AMSL*): 786.92

TOC Elevation (feet AMSL*): 786.92

Total Depth (feet): 40

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
						Ground Surface	
2		0		50		Asphalt.	
4						Silt (ML) Clayey silt, orangish brown (5 YR 6/8), weathered saprolite, mica; friable; moist.	
6		0		75			
8						Silt (ML) Clayey silt, light gray (10 YR 7/1), fine- and medium-grained sand, weathered saprolite, mica; friable; moist.	
10		0		65			
12							
14		0		100			
16							
18							
20							

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: MW-4 (SB-7)

Project: Double Eagle - Dixon

Surface Elevation (feet AMSL*): 786.92

Project No.: 32538

TOC Elevation (feet AMSL*): 786.92

Location: Gastonia, North Carolina

Total Depth (feet): 40

Completion Date: 10/16/2012

Borehole Diameter (inches): 2

*AMSL = Above mean sea level



Sample Data					Subsurface Profile		Well Details
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description	
22		0		80		<p>Silt (ML) Clayey silt, light gray (10 YR 7/1), fine- and medium-grained sand, weathered saprolite, mica; friable; moist. <i>(continued)</i></p> <hr/> <p>Silt (ML) Clayey silt, light brown gray (2.5 YR 6/4), fine- and medium-grained sand, weathered saprolite, mica; friable; moist to wet at 35 feet.</p>	
24							
26		0		80			
28							
30							
32		0		65			
34							
36							
38		0		10			
40							

Bottom of Boring at 40 feet

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: SB-1

Project: Double Eagle - Dixon

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/15/2012

Surface Elevation (feet AMSL*): Not Determined

Total Depth (feet): 10

Borehole Diameter (inches): 2



*AMSL = Above mean sea level

Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		60	Concrete.	
4					Lean Clay (CL) Silty Clay, brown (10 YR 4/7), gravel; loose; dry.	
6						
8		0		100	Silt (ML)	Silty Clay, brown (10 YR 4/7), wood; friable; moist.
10						Bottom of Boring at 10 feet
12						
14						
16						
18						
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: SB-2

Project: Double Eagle - Dixon

Surface Elevation (feet AMSL*): Not Determined

Project No.: 32538

Total Depth (feet): 15

Location: Gastonia, North Carolina

Borehole Diameter (inches): 2

Completion Date: 10/16/2012

*AMSL = Above mean sea level



Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		80		Asphalt.
4						Silt (ML) Silty Clay, brown (10 YR 4/7), gravel; soft; moist.
6						Silt (ML) Silty Clay, brown (10 YR 4/7); firm; moist.
8		0		95		
10						Silt (ML) Silty Clay, brown (10 YR 4/7), weathered saprolite; firm; moist.
12		0		90		
14						
16						Bottom of Boring at 15 feet
18						
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

Boring Log: SB-3

Project: Double Eagle - Dixon

Surface Elevation (feet AMSL*): Not Determined

Project No.: 32538

Total Depth (feet): 17

Location: Gastonia, North Carolina

Borehole Diameter (inches): 2

Completion Date: 10/16/2012

*AMSL = Above mean sea level



Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		60	Asphalt.	Silt (ML) Silty Clay, brown (10 YR 4/7), gravel; soft; moist.
4						
6		0		70		Silt (ML) Silty Clay, brown (10 YR 4/7); firm; moist.
8						
10						
12		0		50		
14						
16						Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, light gray (10 YR 7/1); loose, dry. Refusal at 17 feet.
18		0		100		Bottom of Boring at 17 feet
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Robert Sullivan
Method: Direct Push

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
 Reston, Virginia
 (703) 706-6500

**GASTON COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
991 W. HUDSON BLVD., GASTONIA, N.C. 28052
704-853-5200**

Permit Void After 60 Months

WELL INSTALLATION OR REPAIR PERMIT

TO BE FILLED IN BY APPLICANT:

PERMIT 11774

Owner or Builder WSP Environmental Energy Date: 10/12/12
 Mailing Address: 750 Holiday Dr Suite 4106 Phone: (H) (412) 6041040 (W) (412) 2169850
 Lot Area _____ Subdivision/Park Pittsburgh, Pa 15220 Lot # _____ Block # _____

PROPERTY LOCATION

1525 South Mikoytha (wix) Affairs Eric Hawley
Gastonia, N.C. Signature of applicant or authorized agent

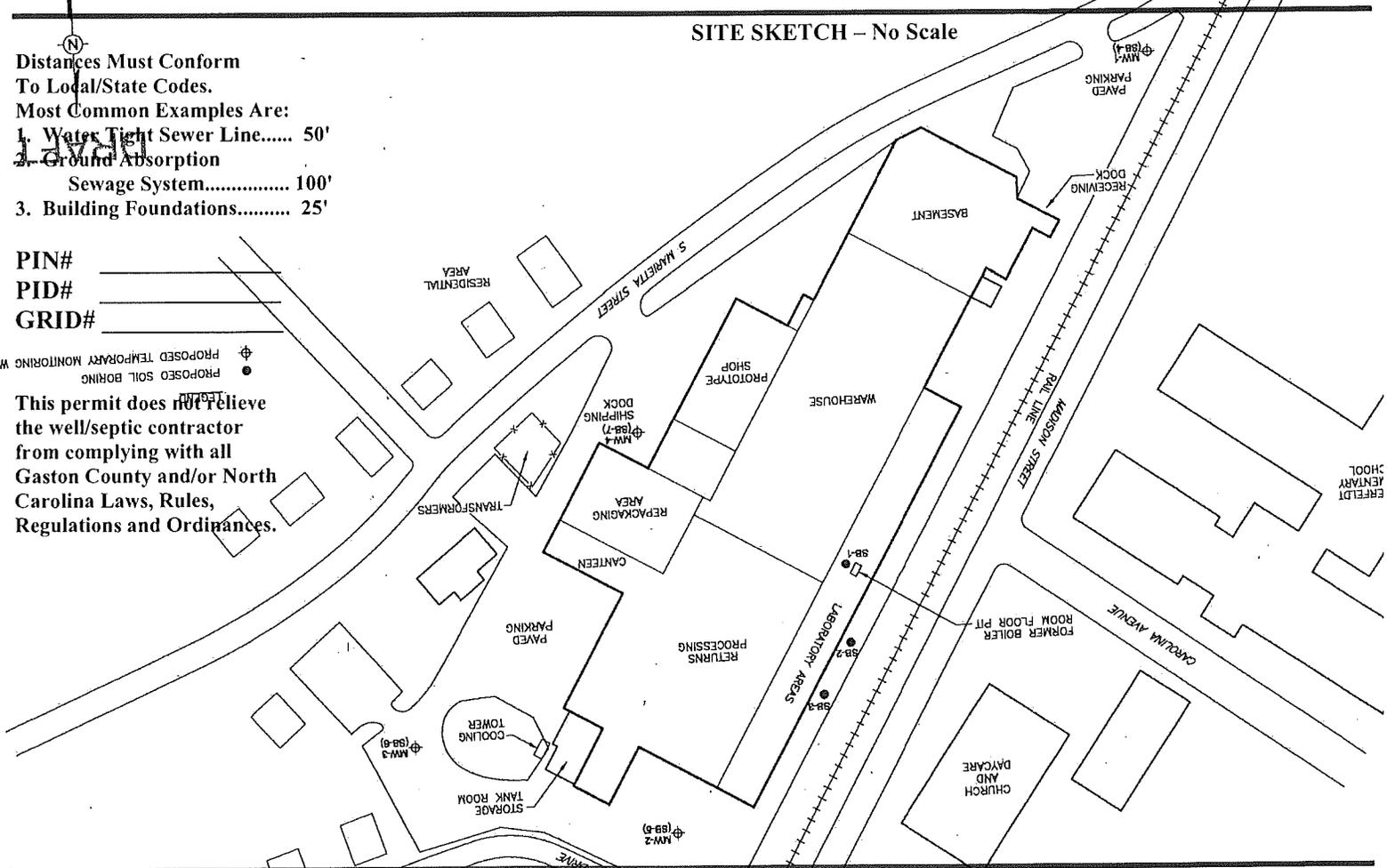
Type _____ Size _____ Depth _____ Casing Depth _____
 Level _____ Contractor/Driller _____ Telephone _____

- Distances Must Conform To Local/State Codes.
 Most Common Examples Are:
 1. Water Tight Sewer Line..... 50'
 2. Ground Absorption Sewage System..... 100'
 3. Building Foundations..... 25'

PIN# _____
 PID# _____
 GRID# _____

This permit does not relieve the well/septic contractor from complying with all Gaston County and/or North Carolina Laws, Rules, Regulations and Ordinances.

SITE SKETCH - No Scale



WATER SUPPLY INFORMATION:

Well location, installation and protection must meet state and local regulations, and must be inspected and approved by a representative of the Gaston County Health Department before any portion of the installation is put into use.

The siting of the well by the Health Department staff is to provide protection from KNOWN possible sources of contamination. No quantity and/or quality of water is guaranteed at any site by the Health Department.

After the well is in service, contact the Gaston County Environmental Health Section (704-853-5200) for a bacteriological and inorganic water sample.

DATE ISSUED 10/12/12 EHS [Signature]
 DATE APPROVED 10/12/12 EHS [Signature]
 FEE PAID \$ 8.5 DATE 10 RECEIPT # _____ IP# N/A
 DATE BACTERIOLOGICAL SAMPLE TAKEN N/A DATE OF RESULTS N/A RESULTS N/A
 DATE INORGANIC SAMPLE TAKEN N/A DATE RESULTS MAILED N/A

Enclosure B



Taylor Wiseman & Taylor

ENGINEERS | SURVEYORS | SCIENTISTS

700 Forest Point Circle, Suite 116, Charlotte, NC 28273

704-527-2535 phone 704-527-2537 fax

www.taylorwiseman.com

SITE NAME

Monitoring Well Survey

Surveyed by: Taylor Wiseman & Taylor

Project #: 03624.5011.00

Date of Survey: October 30, 2012

Horizontal Datum: NAD83 (NSRS 2011)

Vertical Datum: NAVD88 (Geoid 12)

Units: US Survey Feet

Site Location: 1525 S. Marietta Street, Gastonia, NC

CONTROL LINE

CONTROL	NORTHING	EASTING	ELEVATION
100	549538.447	1346117.822	786.48
101	550008.880	1346348.515	802.64

WELL TABLE

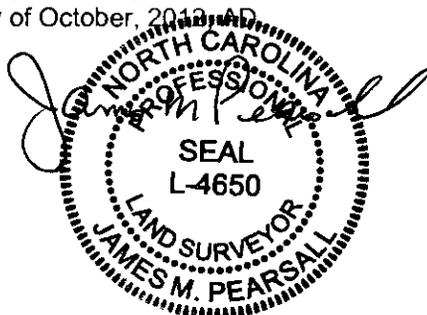
WELL ID	NORTHING	EASTING	TOP OF CASE ELEVATION	GROUND ELEVATION
MW-1	549395.160	1345639.369	796.83	796.91
MW-3	550016.593	1346393.523	799.85	800.00
MW-2	550124.177	1346135.325	792.87	793.06
MW-4	549524.913	1345975.323	786.92	786.92

Survey Notes:

All coordinates shown hereon are based upon the North Carolina State Plane Coordinate System, NAD83 (NSRS 2011), with NAVD88 (Geoid 12) elevations, per a GPS survey performed by Taylor Wiseman & Taylor on October 30, 2012. The two control points shown hereon were established utilizing global positioning systems (GPS) in conjunction with the North Carolina Geodetic Survey's Virtual Reference System (VRS), which is based upon the Continually Operating Reference Stations (CORS). A Trimble R8 receiver was utilized for the GPS survey. All wells were surveyed conventionally off of the control line with a Trimble S6 robotic total station. All coordinates are grid coordinates. The combined factor for the project is 0.99983959.

Survey Certification:

I, James M. Pearsall, hereby certify that the coordinates shown above are accurate to best of my knowledge, information and belief. Witness my seal and signature this 31st day of October, 2012 AD.



Enclosure C

October 25, 2012

Ms. Erin Huntley
WSP Environmental Strategies
750 Holiday Drive
Suite 410
Pittsburgh, PA 15220

RE: Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Dear Ms. Huntley:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

SAMPLE SUMMARY

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92135391001	SB-4-33.5-35.5	Solid	10/15/12 11:45	10/16/12 15:15
92135391002	SB-6-51-53	Solid	10/15/12 14:55	10/16/12 15:15
92135391003	SB-5-15-17	Solid	10/16/12 11:00	10/16/12 15:15
92135391004	SB-102-15-17	Solid	10/16/12 11:10	10/16/12 15:15
92135391005	SB-1-6-8	Solid	10/15/12 18:15	10/16/12 15:15
92135391006	SB-1-8-10	Solid	10/15/12 18:20	10/16/12 15:15
92135391007	SB-100-8-10	Solid	10/15/12 18:25	10/16/12 15:15
92135391008	SB-3-15-17	Solid	10/16/12 09:00	10/16/12 15:15
92135391009	SB-101-15-17	Solid	10/16/12 09:10	10/16/12 15:15
92135391010	SB-2-10-12	Solid	10/16/12 09:50	10/16/12 15:15
92135391011	TB 101512-1	Solid	10/15/12 11:00	10/16/12 15:15

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92135391001	SB-4-33.5-35.5	EPA 6010	JDA	7	PASI-A
		EPA 7471	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391002	SB-6-51-53	EPA 6010	JDA	7	PASI-A
		EPA 7471	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391003	SB-5-15-17	EPA 6010	JDA	7	PASI-A
		EPA 7471	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391004	SB-102-15-17	EPA 6010	JDA	7	PASI-A
		EPA 7471	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391005	SB-1-6-8	EPA 8082	MEJ	8	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391006	SB-1-8-10	EPA 8082	MEJ	8	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391007	SB-100-8-10	EPA 8082	MEJ	8	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391008	SB-3-15-17	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	RGF	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391009	SB-101-15-17	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	RGF	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391010	SB-2-10-12	EPA 8015 Modified	MEJ	2	PASI-C
		EPA 8015 Modified	RGF	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135391011	TB 101512-1	EPA 8260	DLK	71	PASI-C

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Method: EPA 8015 Modified

Description: 8015 GCS THC-Diesel

Client: WSP Environmental Strategies

Date: October 25, 2012

General Information:

3 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/19341

S0: Surrogate recovery outside laboratory control limits.

- MSD (Lab ID: 854344)
- n-Pentacosane (S)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/19341

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92135424008

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.

- MSD (Lab ID: 854344)
- Diesel Components

R2: RPD value was outside control limits due to matrix interference

- MSD (Lab ID: 854344)
- Diesel Components

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Method: EPA 8015 Modified

Description: 8015 GCS THC-Diesel

Client: WSP Environmental Strategies

Date: October 25, 2012

Analyte Comments:

QC Batch: OEXT/19341

- MSD (Lab ID: 854344)
 - n-Pentacosane (S)

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 8082
Description: 8082 GCS PCB
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

3 samples were analyzed for EPA 8082. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: OEXT/19355

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- SB-100-8-10 (Lab ID: 92135391007)
- Decachlorobiphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: OEXT/19355

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92135391005

M3: Matrix spike recovery was outside laboratory control limits due to matrix interferences.

- MSD (Lab ID: 854902)
- PCB-1260 (Aroclor 1260)

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 8015 Modified
Description: Gasoline Range Organics
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

3 samples were analyzed for EPA 8015 Modified. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 5035A/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 6010
Description: 6010 MET ICP
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

4 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MPRP/11765

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 856389)
 - Arsenic

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 7471
Description: 7471 Mercury
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

4 samples were analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 8270
Description: 8270 MSSV PAH Microwave
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

4 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: WSP Environmental Strategies
Date: October 25, 2012

General Information:

5 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Sample: SB-4-33.5-35.5 **Lab ID: 92135391001** Collected: 10/15/12 11:45 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	1.7	mg/kg	0.61	1	10/19/12 12:15	10/20/12 09:22	7440-38-2	
Barium	47.2	mg/kg	0.61	1	10/19/12 12:15	10/20/12 09:22	7440-39-3	
Cadmium	ND	mg/kg	0.12	1	10/19/12 12:15	10/20/12 09:22	7440-43-9	
Chromium	1.4	mg/kg	0.61	1	10/19/12 12:15	10/20/12 09:22	7440-47-3	
Lead	9.7	mg/kg	0.61	1	10/19/12 12:15	10/20/12 09:22	7439-92-1	
Selenium	1.6	mg/kg	1.2	1	10/19/12 12:15	10/20/12 09:22	7782-49-2	
Silver	ND	mg/kg	0.61	1	10/19/12 12:15	10/20/12 09:22	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.0059	1	10/24/12 11:40	10/24/12 13:42	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	83-32-9	
Acenaphthylene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	208-96-8	
Anthracene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	120-12-7	
Benzo(a)anthracene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	56-55-3	
Benzo(a)pyrene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	207-08-9	
Chrysene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	53-70-3	
Fluoranthene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	206-44-0	
Fluorene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	193-39-5	
1-Methylnaphthalene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	90-12-0	
2-Methylnaphthalene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	91-57-6	
Naphthalene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	91-20-3	
Phenanthrene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	85-01-8	
Pyrene	ND	ug/kg	426	1	10/17/12 09:20	10/20/12 15:00	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	65 %		23-110	1	10/17/12 09:20	10/20/12 15:00	4165-60-0	
2-Fluorobiphenyl (S)	58 %		30-110	1	10/17/12 09:20	10/20/12 15:00	321-60-8	
Terphenyl-d14 (S)	49 %		28-110	1	10/17/12 09:20	10/20/12 15:00	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	105	1		10/23/12 20:46	67-64-1	
Benzene	ND	ug/kg	5.3	1		10/23/12 20:46	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		10/23/12 20:46	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		10/23/12 20:46	75-27-4	
Bromoform	ND	ug/kg	5.3	1		10/23/12 20:46	75-25-2	
Bromomethane	ND	ug/kg	10.5	1		10/23/12 20:46	74-83-9	
2-Butanone (MEK)	ND	ug/kg	105	1		10/23/12 20:46	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Sample Project No.: 92135391

Sample: SB-4-33.5-35.5 **Lab ID: 92135391001** Collected: 10/15/12 11:45 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.3	1		10/23/12 20:46	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	108-90-7	
Chloroethane	ND	ug/kg	10.5	1		10/23/12 20:46	75-00-3	
Chloroform	ND	ug/kg	5.3	1		10/23/12 20:46	67-66-3	
Chloromethane	ND	ug/kg	10.5	1		10/23/12 20:46	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		10/23/12 20:46	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		10/23/12 20:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.3	1		10/23/12 20:46	96-12-8	
Dibromochloromethane	ND	ug/kg	5.3	1		10/23/12 20:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		10/23/12 20:46	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		10/23/12 20:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.5	1		10/23/12 20:46	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		10/23/12 20:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		10/23/12 20:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		10/23/12 20:46	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		10/23/12 20:46	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		10/23/12 20:46	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		10/23/12 20:46	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		10/23/12 20:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		10/23/12 20:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		10/23/12 20:46	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.3	1		10/23/12 20:46	108-20-3	
Ethylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		10/23/12 20:46	87-68-3	
2-Hexanone	ND	ug/kg	52.6	1		10/23/12 20:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		10/23/12 20:46	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		10/23/12 20:46	99-87-6	
Methylene Chloride	ND	ug/kg	21.0	1		10/23/12 20:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	52.6	1		10/23/12 20:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		10/23/12 20:46	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		10/23/12 20:46	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	103-65-1	
Styrene	ND	ug/kg	5.3	1		10/23/12 20:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		10/23/12 20:46	127-18-4	
Toluene	ND	ug/kg	5.3	1		10/23/12 20:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		10/23/12 20:46	120-82-1	

Date: 10/25/2012 05:07 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-4-33.5-35.5 **Lab ID: 92135391001** Collected: 10/15/12 11:45 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		10/23/12 20:46	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		10/23/12 20:46	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		10/23/12 20:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		10/23/12 20:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		10/23/12 20:46	108-67-8	
Vinyl acetate	ND	ug/kg	52.6	1		10/23/12 20:46	108-05-4	
Vinyl chloride	ND	ug/kg	10.5	1		10/23/12 20:46	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		10/23/12 20:46	1330-20-7	
m&p-Xylene	ND	ug/kg	10.5	1		10/23/12 20:46	179601-23-1	
o-Xylene	ND	ug/kg	5.3	1		10/23/12 20:46	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103 %		70-130	1		10/23/12 20:46	1868-53-7	
Toluene-d8 (S)	99 %		70-130	1		10/23/12 20:46	2037-26-5	
4-Bromofluorobenzene (S)	97 %		70-130	1		10/23/12 20:46	460-00-4	
1,2-Dichloroethane-d4 (S)	110 %		70-132	1		10/23/12 20:46	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	22.5 %		0.10	1		10/17/12 08:02		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Sample: SB-6-51-53 **Lab ID: 92135391002** Collected: 10/15/12 14:55 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	2.8	mg/kg	0.50	1	10/19/12 12:15	10/20/12 09:26	7440-38-2	
Barium	154	mg/kg	0.50	1	10/19/12 12:15	10/20/12 09:26	7440-39-3	
Cadmium	0.61	mg/kg	0.10	1	10/19/12 12:15	10/20/12 09:26	7440-43-9	
Chromium	5.3	mg/kg	0.50	1	10/19/12 12:15	10/20/12 09:26	7440-47-3	
Lead	6.2	mg/kg	0.50	1	10/19/12 12:15	10/20/12 09:26	7439-92-1	
Selenium	2.9	mg/kg	1.0	1	10/19/12 12:15	10/20/12 09:26	7782-49-2	
Silver	ND	mg/kg	0.50	1	10/19/12 12:15	10/20/12 09:26	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.0039	1	10/24/12 11:40	10/24/12 13:47	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	83-32-9	
Acenaphthylene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	208-96-8	
Anthracene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	120-12-7	
Benzo(a)anthracene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	207-08-9	
Chrysene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	53-70-3	
Fluoranthene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	206-44-0	
Fluorene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	193-39-5	
1-Methylnaphthalene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	91-57-6	
Naphthalene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	91-20-3	
Phenanthrene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	85-01-8	
Pyrene	ND	ug/kg	380	1	10/17/12 09:20	10/20/12 15:28	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	71	%	23-110	1	10/17/12 09:20	10/20/12 15:28	4165-60-0	
2-Fluorobiphenyl (S)	68	%	30-110	1	10/17/12 09:20	10/20/12 15:28	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	10/17/12 09:20	10/20/12 15:28	1718-51-0	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	107	1		10/23/12 21:04	67-64-1	
Benzene	ND	ug/kg	5.4	1		10/23/12 21:04	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		10/23/12 21:04	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		10/23/12 21:04	75-27-4	
Bromoform	ND	ug/kg	5.4	1		10/23/12 21:04	75-25-2	
Bromomethane	ND	ug/kg	10.7	1		10/23/12 21:04	74-83-9	
2-Butanone (MEK)	ND	ug/kg	107	1		10/23/12 21:04	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Sample Project No.: 92135391

Sample: SB-6-51-53 **Lab ID: 92135391002** Collected: 10/15/12 14:55 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.4	1		10/23/12 21:04	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	108-90-7	
Chloroethane	ND	ug/kg	10.7	1		10/23/12 21:04	75-00-3	
Chloroform	ND	ug/kg	5.4	1		10/23/12 21:04	67-66-3	
Chloromethane	ND	ug/kg	10.7	1		10/23/12 21:04	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		10/23/12 21:04	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		10/23/12 21:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1		10/23/12 21:04	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1		10/23/12 21:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		10/23/12 21:04	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		10/23/12 21:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.7	1		10/23/12 21:04	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		10/23/12 21:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		10/23/12 21:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		10/23/12 21:04	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		10/23/12 21:04	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		10/23/12 21:04	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		10/23/12 21:04	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		10/23/12 21:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		10/23/12 21:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		10/23/12 21:04	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.4	1		10/23/12 21:04	108-20-3	
Ethylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		10/23/12 21:04	87-68-3	
2-Hexanone	ND	ug/kg	53.7	1		10/23/12 21:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		10/23/12 21:04	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		10/23/12 21:04	99-87-6	
Methylene Chloride	ND	ug/kg	21.5	1		10/23/12 21:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.7	1		10/23/12 21:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		10/23/12 21:04	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1		10/23/12 21:04	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	103-65-1	
Styrene	ND	ug/kg	5.4	1		10/23/12 21:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		10/23/12 21:04	127-18-4	
Toluene	ND	ug/kg	5.4	1		10/23/12 21:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		10/23/12 21:04	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-6-51-53 **Lab ID: 92135391002** Collected: 10/15/12 14:55 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		10/23/12 21:04	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		10/23/12 21:04	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1		10/23/12 21:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		10/23/12 21:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		10/23/12 21:04	108-67-8	
Vinyl acetate	ND	ug/kg	53.7	1		10/23/12 21:04	108-05-4	
Vinyl chloride	ND	ug/kg	10.7	1		10/23/12 21:04	75-01-4	
Xylene (Total)	ND	ug/kg	10.7	1		10/23/12 21:04	1330-20-7	
m&p-Xylene	ND	ug/kg	10.7	1		10/23/12 21:04	179601-23-1	
o-Xylene	ND	ug/kg	5.4	1		10/23/12 21:04	95-47-6	
Surrogates								
Dibromofluoromethane (S)	107 %		70-130	1		10/23/12 21:04	1868-53-7	
Toluene-d8 (S)	98 %		70-130	1		10/23/12 21:04	2037-26-5	
4-Bromofluorobenzene (S)	96 %		70-130	1		10/23/12 21:04	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		70-132	1		10/23/12 21:04	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	13.1 %		0.10	1		10/17/12 08:03		



ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
 Pace Project No.: 92135391

Sample: SB-5-15-17 Lab ID: 92135391003 Collected: 10/16/12 11:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	2.3	mg/kg	0.52	1	10/19/12 12:15	10/20/12 09:30	7440-38-2	
Barium	139	mg/kg	0.52	1	10/19/12 12:15	10/20/12 09:30	7440-39-3	
Cadmium	1.2	mg/kg	0.10	1	10/19/12 12:15	10/20/12 09:30	7440-43-9	
Chromium	6.2	mg/kg	0.52	1	10/19/12 12:15	10/20/12 09:30	7440-47-3	
Lead	16.0	mg/kg	0.52	1	10/19/12 12:15	10/20/12 09:30	7439-92-1	
Selenium	3.8	mg/kg	1.0	1	10/19/12 12:15	10/20/12 09:30	7782-49-2	
Silver	ND	mg/kg	0.52	1	10/19/12 12:15	10/20/12 09:30	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	0.021	mg/kg	0.0043	1	10/24/12 11:40	10/24/12 13:53	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	83-32-9	
Acenaphthylene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	208-96-8	
Anthracene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	120-12-7	
Benzo(a)anthracene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	207-08-9	
Chrysene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	53-70-3	
Fluoranthene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	206-44-0	
Fluorene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	193-39-5	
1-Methylnaphthalene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	90-12-0	
2-Methylnaphthalene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	91-57-6	
Naphthalene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	91-20-3	
Phenanthrene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	85-01-8	
Pyrene	ND	ug/kg	387	1	10/17/12 09:20	10/20/12 15:56	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	70	%	23-110	1	10/17/12 09:20	10/20/12 15:56	4165-60-0	
2-Fluorobiphenyl (S)	62	%	30-110	1	10/17/12 09:20	10/20/12 15:56	321-60-8	
Terphenyl-d14 (S)	53	%	28-110	1	10/17/12 09:20	10/20/12 15:56	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	116	1		10/23/12 21:22	67-64-1	
Benzene	ND	ug/kg	5.8	1		10/23/12 21:22	71-43-2	
Bromobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	108-86-1	
Bromochloromethane	ND	ug/kg	5.8	1		10/23/12 21:22	74-97-5	
Bromodichloromethane	ND	ug/kg	5.8	1		10/23/12 21:22	75-27-4	
Bromoform	ND	ug/kg	5.8	1		10/23/12 21:22	75-25-2	
Bromomethane	ND	ug/kg	11.6	1		10/23/12 21:22	74-83-9	
2-Butanone (MEK)	ND	ug/kg	116	1		10/23/12 21:22	78-93-3	
n-Butylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Sample Project No.: 92135391

Sample: SB-5-15-17 **Lab ID: 92135391003** Collected: 10/16/12 11:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.8	1		10/23/12 21:22	56-23-5	
Chlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	108-90-7	
Chloroethane	ND	ug/kg	11.6	1		10/23/12 21:22	75-00-3	
Chloroform	ND	ug/kg	5.8	1		10/23/12 21:22	67-66-3	
Chloromethane	ND	ug/kg	11.6	1		10/23/12 21:22	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.8	1		10/23/12 21:22	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.8	1		10/23/12 21:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.8	1		10/23/12 21:22	96-12-8	
Dibromochloromethane	ND	ug/kg	5.8	1		10/23/12 21:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.8	1		10/23/12 21:22	106-93-4	
Dibromomethane	ND	ug/kg	5.8	1		10/23/12 21:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.6	1		10/23/12 21:22	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.8	1		10/23/12 21:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.8	1		10/23/12 21:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.8	1		10/23/12 21:22	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.8	1		10/23/12 21:22	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.8	1		10/23/12 21:22	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.8	1		10/23/12 21:22	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.8	1		10/23/12 21:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.8	1		10/23/12 21:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.8	1		10/23/12 21:22	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.8	1		10/23/12 21:22	108-20-3	
Ethylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.8	1		10/23/12 21:22	87-68-3	
2-Hexanone	ND	ug/kg	57.8	1		10/23/12 21:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.8	1		10/23/12 21:22	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.8	1		10/23/12 21:22	99-87-6	
Methylene Chloride	ND	ug/kg	23.1	1		10/23/12 21:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.8	1		10/23/12 21:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.8	1		10/23/12 21:22	1634-04-4	
Naphthalene	ND	ug/kg	5.8	1		10/23/12 21:22	91-20-3	
n-Propylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	103-65-1	
Styrene	ND	ug/kg	5.8	1		10/23/12 21:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	79-34-5	
Tetrachloroethene	ND	ug/kg	5.8	1		10/23/12 21:22	127-18-4	
Toluene	ND	ug/kg	5.8	1		10/23/12 21:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.8	1		10/23/12 21:22	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

Sample: SB-5-15-17 **Lab ID: 92135391003** Collected: 10/16/12 11:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.8	1		10/23/12 21:22	79-00-5	
Trichloroethene	ND	ug/kg	5.8	1		10/23/12 21:22	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.8	1		10/23/12 21:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.8	1		10/23/12 21:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.8	1		10/23/12 21:22	108-67-8	
Vinyl acetate	ND	ug/kg	57.8	1		10/23/12 21:22	108-05-4	
Vinyl chloride	ND	ug/kg	11.6	1		10/23/12 21:22	75-01-4	
Xylene (Total)	ND	ug/kg	11.6	1		10/23/12 21:22	1330-20-7	
m&p-Xylene	ND	ug/kg	11.6	1		10/23/12 21:22	179601-23-1	
o-Xylene	ND	ug/kg	5.8	1		10/23/12 21:22	95-47-6	
Surrogates								
Dibromofluoromethane (S)	107 %		70-130	1		10/23/12 21:22	1868-53-7	
Toluene-d8 (S)	98 %		70-130	1		10/23/12 21:22	2037-26-5	
4-Bromofluorobenzene (S)	96 %		70-130	1		10/23/12 21:22	460-00-4	
1,2-Dichloroethane-d4 (S)	119 %		70-132	1		10/23/12 21:22	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.8 %		0.10	1		10/17/12 08:03		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-102-15-17 **Lab ID: 92135391004** Collected: 10/16/12 11:10 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	2.5	mg/kg	0.54	1	10/19/12 12:15	10/20/12 09:34	7440-38-2	
Barium	175	mg/kg	0.54	1	10/19/12 12:15	10/20/12 09:34	7440-39-3	
Cadmium	0.60	mg/kg	0.11	1	10/19/12 12:15	10/20/12 09:34	7440-43-9	
Chromium	3.9	mg/kg	0.54	1	10/19/12 12:15	10/20/12 09:34	7440-47-3	
Lead	18.1	mg/kg	0.54	1	10/19/12 12:15	10/20/12 09:34	7439-92-1	
Selenium	2.8	mg/kg	1.1	1	10/19/12 12:15	10/20/12 09:34	7782-49-2	
Silver	ND	mg/kg	0.54	1	10/19/12 12:15	10/20/12 09:34	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	0.020	mg/kg	0.0056	1	10/24/12 11:40	10/24/12 13:55	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	83-32-9	
Acenaphthylene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	208-96-8	
Anthracene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	120-12-7	
Benzo(a)anthracene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	56-55-3	
Benzo(a)pyrene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	207-08-9	
Chrysene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	53-70-3	
Fluoranthene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	206-44-0	
Fluorene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	193-39-5	
1-Methylnaphthalene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	90-12-0	
2-Methylnaphthalene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	91-57-6	
Naphthalene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	91-20-3	
Phenanthrene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	85-01-8	
Pyrene	ND	ug/kg	385	1	10/17/12 09:20	10/20/12 16:23	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	80	%	23-110	1	10/17/12 09:20	10/20/12 16:23	4165-60-0	
2-Fluorobiphenyl (S)	72	%	30-110	1	10/17/12 09:20	10/20/12 16:23	321-60-8	
Terphenyl-d14 (S)	55	%	28-110	1	10/17/12 09:20	10/20/12 16:23	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	118	1		10/25/12 12:38	67-64-1	
Benzene	ND	ug/kg	5.9	1		10/25/12 12:38	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		10/25/12 12:38	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		10/25/12 12:38	75-27-4	
Bromoform	ND	ug/kg	5.9	1		10/25/12 12:38	75-25-2	
Bromomethane	ND	ug/kg	11.8	1		10/25/12 12:38	74-83-9	
2-Butanone (MEK)	ND	ug/kg	118	1		10/25/12 12:38	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Sample Project No.: 92135391

Sample: SB-102-15-17 **Lab ID: 92135391004** Collected: 10/16/12 11:10 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.9	1		10/25/12 12:38	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	108-90-7	
Chloroethane	ND	ug/kg	11.8	1		10/25/12 12:38	75-00-3	
Chloroform	ND	ug/kg	5.9	1		10/25/12 12:38	67-66-3	
Chloromethane	ND	ug/kg	11.8	1		10/25/12 12:38	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		10/25/12 12:38	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		10/25/12 12:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.9	1		10/25/12 12:38	96-12-8	
Dibromochloromethane	ND	ug/kg	5.9	1		10/25/12 12:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		10/25/12 12:38	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		10/25/12 12:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.8	1		10/25/12 12:38	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		10/25/12 12:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		10/25/12 12:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		10/25/12 12:38	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		10/25/12 12:38	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		10/25/12 12:38	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		10/25/12 12:38	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		10/25/12 12:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		10/25/12 12:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		10/25/12 12:38	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.9	1		10/25/12 12:38	108-20-3	
Ethylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		10/25/12 12:38	87-68-3	
2-Hexanone	ND	ug/kg	59.2	1		10/25/12 12:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		10/25/12 12:38	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		10/25/12 12:38	99-87-6	
Methylene Chloride	ND	ug/kg	23.7	1		10/25/12 12:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	59.2	1		10/25/12 12:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		10/25/12 12:38	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		10/25/12 12:38	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	103-65-1	
Styrene	ND	ug/kg	5.9	1		10/25/12 12:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		10/25/12 12:38	127-18-4	
Toluene	ND	ug/kg	5.9	1		10/25/12 12:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		10/25/12 12:38	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-102-15-17 **Lab ID: 92135391004** Collected: 10/16/12 11:10 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		10/25/12 12:38	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		10/25/12 12:38	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		10/25/12 12:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		10/25/12 12:38	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		10/25/12 12:38	108-67-8	
Vinyl acetate	ND	ug/kg	59.2	1		10/25/12 12:38	108-05-4	
Vinyl chloride	ND	ug/kg	11.8	1		10/25/12 12:38	75-01-4	
Xylene (Total)	ND	ug/kg	11.8	1		10/25/12 12:38	1330-20-7	
m&p-Xylene	ND	ug/kg	11.8	1		10/25/12 12:38	179601-23-1	
o-Xylene	ND	ug/kg	5.9	1		10/25/12 12:38	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104 %		70-130	1		10/25/12 12:38	1868-53-7	
Toluene-d8 (S)	99 %		70-130	1		10/25/12 12:38	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		10/25/12 12:38	460-00-4	
1,2-Dichloroethane-d4 (S)	102 %		70-132	1		10/25/12 12:38	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.3 %		0.10	1		10/17/12 08:03		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-1-6-8 **Lab ID: 92135391005** Collected: 10/15/12 18:15 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	11097-69-1	
PCB-1260 (Aroclor 1260)	368	ug/kg	33.3	1	10/17/12 15:25	10/19/12 16:18	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	73 %		21-132	1	10/17/12 15:25	10/19/12 16:18	2051-24-3	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	1.0 %		0.10	1		10/17/12 08:03		



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ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
 Pace Project No.: 92135391

Sample: **SB-1-8-10** Lab ID: **92135391006** Collected: 10/15/12 18:20 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	11097-69-1	
PCB-1260 (Aroclor 1260)	529	ug/kg	41.0	1	10/17/12 15:25	10/19/12 17:17	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	59 %		21-132	1	10/17/12 15:25	10/19/12 17:17	2051-24-3	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.5 %		0.10	1		10/17/12 08:03		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-100-8-10 **Lab ID: 92135391007** Collected: 10/15/12 18:25 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB		Analytical Method: EPA 8082 Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	11097-69-1	
PCB-1260 (Aroclor 1260)	1260	ug/kg	203	5	10/17/12 15:25	10/24/12 21:53	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	0 %		21-132	5	10/17/12 15:25	10/24/12 21:53	2051-24-3	S4
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	18.9	%	0.10	1		10/17/12 08:03		



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ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
 Pace Project No.: 92135391

Sample: SB-3-15-17 **Lab ID: 92135391008** Collected: 10/16/12 09:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified			Preparation Method: EPA 3546					
Diesel Components	ND	mg/kg	6.4	1	10/17/12 08:30	10/17/12 22:15	68334-30-5	
Surrogates								
n-Pentacosane (S)	79	%	41-119	1	10/17/12 08:30	10/17/12 22:15	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified			Preparation Method: EPA 5035A/5030B					
Gasoline Range Organics	ND	mg/kg	8.6	1	10/17/12 17:41	10/18/12 18:39	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	88	%	70-167	1	10/17/12 17:41	10/18/12 18:39	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	21.7	%	0.10	1		10/17/12 08:04		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Sample: SB-101-15-17 **Lab ID: 92135391009** Collected: 10/16/12 09:10 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546						
Diesel Components	ND	mg/kg	6.2	1	10/17/12 08:30	10/17/12 22:45	68334-30-5	
Surrogates								
n-Pentacosane (S)	71	%	41-119	1	10/17/12 08:30	10/17/12 22:45	629-99-2	
Gasoline Range Organics		Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	8.2	1	10/17/12 17:41	10/18/12 19:01	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	91	%	70-167	1	10/17/12 17:41	10/18/12 19:01	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	19.5	%	0.10	1		10/17/12 08:04		



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ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON
 Pace Project No.: 92135391

Sample: SB-2-10-12 **Lab ID: 92135391010** Collected: 10/16/12 09:50 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	ND	mg/kg	6.3	1	10/17/12 08:30	10/17/12 22:45	68334-30-5	
Surrogates								
n-Pentacosane (S)	74	%	41-119	1	10/17/12 08:30	10/17/12 22:45	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND	mg/kg	6.9	1	10/17/12 17:41	10/18/12 19:25	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	88	%	70-167	1	10/17/12 17:41	10/18/12 19:25	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	21.2	%	0.10	1		10/17/12 08:04		

ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Sample Project No.: 92135391

Sample: TB 101512-1 **Lab ID: 92135391011** Collected: 10/15/12 11:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		10/24/12 18:06	67-64-1	
Benzene	ND	ug/kg	5.0	1		10/24/12 18:06	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		10/24/12 18:06	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		10/24/12 18:06	75-27-4	
Bromoform	ND	ug/kg	5.0	1		10/24/12 18:06	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		10/24/12 18:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		10/24/12 18:06	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		10/24/12 18:06	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		10/24/12 18:06	75-00-3	
Chloroform	ND	ug/kg	5.0	1		10/24/12 18:06	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		10/24/12 18:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		10/24/12 18:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		10/24/12 18:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		10/24/12 18:06	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		10/24/12 18:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		10/24/12 18:06	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		10/24/12 18:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		10/24/12 18:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		10/24/12 18:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/24/12 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/24/12 18:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		10/24/12 18:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		10/24/12 18:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		10/24/12 18:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		10/24/12 18:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/24/12 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/24/12 18:06	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		10/24/12 18:06	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		10/24/12 18:06	87-68-3	
2-Hexanone	ND	ug/kg	50.0	1		10/24/12 18:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		10/24/12 18:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		10/24/12 18:06	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		10/24/12 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		10/24/12 18:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		10/24/12 18:06	1634-04-4	

Date: 10/25/2012 05:07 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 DOUBLE EAGLE-DIXON

Project No.: 92135391

Sample: TB 101512-1 **Lab ID:** 92135391011 Collected: 10/15/12 11:00 Received: 10/16/12 15:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Naphthalene	ND	ug/kg	5.0	1		10/24/12 18:06	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	103-65-1	
Styrene	ND	ug/kg	5.0	1		10/24/12 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	630-20-6	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		10/24/12 18:06	127-18-4	
Toluene	ND	ug/kg	5.0	1		10/24/12 18:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		10/24/12 18:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		10/24/12 18:06	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		10/24/12 18:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		10/24/12 18:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		10/24/12 18:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		10/24/12 18:06	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	1		10/24/12 18:06	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		10/24/12 18:06	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		10/24/12 18:06	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		10/24/12 18:06	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		10/24/12 18:06	95-47-6	
Surrogates								
Dibromofluoromethane (S)	99 %		70-130	1		10/24/12 18:06	1868-53-7	
Toluene-d8 (S)	99 %		70-130	1		10/24/12 18:06	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		10/24/12 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	92 %		70-132	1		10/24/12 18:06	17060-07-0	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

QC Batch: GCV/6340 Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
Associated Lab Samples: 92135391008, 92135391009, 92135391010

METHOD BLANK: 854837 Matrix: Solid
Associated Lab Samples: 92135391008, 92135391009, 92135391010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.7	10/18/12 12:54	
4-Bromofluorobenzene (S)	%	91	70-167	10/18/12 12:54	

LABORATORY CONTROL SAMPLE: 854838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	23.8	25.2	106	70-165	
4-Bromofluorobenzene (S)	%			86	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 854839 854840

Parameter	Units	92135403001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Gasoline Range Organics	mg/kg	ND	29.4	29.4	32.8	32.4	109	107	47-187	1	30
4-Bromofluorobenzene (S)	%						89	91	70-167		

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

QC Batch: MERP/4614 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

METHOD BLANK: 858234 Matrix: Solid
Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	10/24/12 13:37	

LABORATORY CONTROL SAMPLE: 858235

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.065	98	80-120	

MATRIX SPIKE SAMPLE: 858236

Parameter	Units	92135391001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.08	0.069	85	75-125	

SAMPLE DUPLICATE: 858237

Parameter	Units	92135391002 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	ND	.00025J		20	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

QC Batch: MPRP/11765 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

METHOD BLANK: 856386 Matrix: Solid
Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	10/19/12 22:34	
Barium	mg/kg	ND	0.50	10/19/12 22:34	
Cadmium	mg/kg	ND	0.10	10/19/12 22:34	
Chromium	mg/kg	ND	0.50	10/19/12 22:34	
Lead	mg/kg	ND	0.50	10/19/12 22:34	
Selenium	mg/kg	ND	1.0	10/20/12 18:53	
Silver	mg/kg	ND	0.50	10/19/12 22:34	

LABORATORY CONTROL SAMPLE: 856387

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.1	98	80-120	
Barium	mg/kg	50	49.0	98	80-120	
Cadmium	mg/kg	50	49.9	100	80-120	
Chromium	mg/kg	50	50.8	102	80-120	
Lead	mg/kg	50	49.2	98	80-120	
Selenium	mg/kg	50	49.4	99	80-120	
Silver	mg/kg	25	24.5	98	80-120	

MATRIX SPIKE SAMPLE: 856388

Parameter	Units	92134683022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	17.2	58.6	78.5	105	75-125	
Barium	mg/kg	11.5	58.6	71.0	102	75-125	
Cadmium	mg/kg	ND	58.6	57.2	98	75-125	
Chromium	mg/kg	8.1	58.6	72.2	109	75-125	
Lead	mg/kg	12.4	58.6	66.5	92	75-125	
Selenium	mg/kg	0.96J	58.6	58.6	98	75-125	
Silver	mg/kg	0.061J	29.3	30.2	103	75-125	

SAMPLE DUPLICATE: 856389

Parameter	Units	92134683023 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	9.4	7.7	21	20	D6
Barium	mg/kg	8.7	8.7	0	20	
Cadmium	mg/kg	ND	ND		20	
Chromium	mg/kg	0.84	ND		20	
Lead	mg/kg	18.9	18.5	2	20	



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QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

SAMPLE DUPLICATE: 856389

Parameter	Units	92134683023 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/kg	0.91J	.95J		20	
Silver	mg/kg	ND	ND		20	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

METHOD BLANK: 857803

Matrix: Solid

Associated Lab Samples: 92135391001, 92135391002, 92135391003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	6.2	10/23/12 10:47	
Ethylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
Hexachloro-1,3-butadiene	ug/kg	ND	6.2	10/23/12 10:47	
Isopropylbenzene (Cumene)	ug/kg	ND	6.2	10/23/12 10:47	
m&p-Xylene	ug/kg	ND	12.4	10/23/12 10:47	
Methyl-tert-butyl ether	ug/kg	ND	6.2	10/23/12 10:47	
Methylene Chloride	ug/kg	ND	24.8	10/23/12 10:47	
n-Butylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
n-Propylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
Naphthalene	ug/kg	ND	6.2	10/23/12 10:47	
o-Xylene	ug/kg	ND	6.2	10/23/12 10:47	
p-Isopropyltoluene	ug/kg	ND	6.2	10/23/12 10:47	
sec-Butylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
Styrene	ug/kg	ND	6.2	10/23/12 10:47	
tert-Butylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
Tetrachloroethene	ug/kg	ND	6.2	10/23/12 10:47	
Toluene	ug/kg	ND	6.2	10/23/12 10:47	
trans-1,2-Dichloroethene	ug/kg	ND	6.2	10/23/12 10:47	
trans-1,3-Dichloropropene	ug/kg	ND	6.2	10/23/12 10:47	
Trichloroethene	ug/kg	ND	6.2	10/23/12 10:47	
Trichlorofluoromethane	ug/kg	ND	6.2	10/23/12 10:47	
Vinyl acetate	ug/kg	ND	61.9	10/23/12 10:47	
Vinyl chloride	ug/kg	ND	12.4	10/23/12 10:47	
Xylene (Total)	ug/kg	ND	12.4	10/23/12 10:47	
1,2-Dichloroethane-d4 (S)	%	103	70-132	10/23/12 10:47	
4-Bromofluorobenzene (S)	%	98	70-130	10/23/12 10:47	
Dibromofluoromethane (S)	%	99	70-130	10/23/12 10:47	
Toluene-d8 (S)	%	100	70-130	10/23/12 10:47	

LABORATORY CONTROL SAMPLE: 857804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	55.8	56.6	101	70-131	
1,1,1-Trichloroethane	ug/kg	55.8	59.8	107	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	55.8	52.1	93	70-130	
1,1,2-Trichloroethane	ug/kg	55.8	54.8	98	70-132	
1,1-Dichloroethane	ug/kg	55.8	53.4	96	70-143	
1,1-Dichloroethene	ug/kg	55.8	51.2	92	70-137	
1,1-Dichloropropene	ug/kg	55.8	59.8	107	70-135	
1,2,3-Trichlorobenzene	ug/kg	55.8	59.6	107	69-153	
1,2,3-Trichloropropane	ug/kg	55.8	50.8	91	70-130	
1,2,4-Trichlorobenzene	ug/kg	55.8	58.9	106	55-171	
1,2,4-Trimethylbenzene	ug/kg	55.8	56.6	102	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	55.8	57.1	102	68-141	
1,2-Dibromoethane (EDB)	ug/kg	55.8	58.3	105	70-130	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 857804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	55.8	55.2	99	70-140	
1,2-Dichloroethane	ug/kg	55.8	51.2	92	70-137	
1,2-Dichloropropane	ug/kg	55.8	58.9	106	70-133	
1,3,5-Trimethylbenzene	ug/kg	55.8	57.0	102	70-143	
1,3-Dichlorobenzene	ug/kg	55.8	54.9	98	70-144	
1,3-Dichloropropane	ug/kg	55.8	58.8	105	70-132	
1,4-Dichlorobenzene	ug/kg	55.8	54.5	98	70-142	
2,2-Dichloropropane	ug/kg	55.8	58.0	104	68-152	
2-Butanone (MEK)	ug/kg	112	95.2J	85	70-149	
2-Chlorotoluene	ug/kg	55.8	57.9	104	70-141	
2-Hexanone	ug/kg	112	120	108	70-149	
4-Chlorotoluene	ug/kg	55.8	57.3	103	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	112	110	99	70-153	
Acetone	ug/kg	112	108J	97	70-157	
Benzene	ug/kg	55.8	59.1	106	70-130	
Bromobenzene	ug/kg	55.8	59.2	106	70-141	
Bromochloromethane	ug/kg	55.8	50.2	90	70-149	
Bromodichloromethane	ug/kg	55.8	56.9	102	70-130	
Bromoform	ug/kg	55.8	57.2	103	70-131	
Bromomethane	ug/kg	55.8	52.5	94	64-136	
Carbon tetrachloride	ug/kg	55.8	62.5	112	70-154	
Chlorobenzene	ug/kg	55.8	54.8	98	70-135	
Chloroethane	ug/kg	55.8	51.5	92	68-151	
Chloroform	ug/kg	55.8	51.7	93	70-130	
Chloromethane	ug/kg	55.8	52.2	94	70-132	
cis-1,2-Dichloroethene	ug/kg	55.8	52.2	94	70-140	
cis-1,3-Dichloropropene	ug/kg	55.8	61.8	111	70-137	
Dibromochloromethane	ug/kg	55.8	63.6	114	70-130	
Dibromomethane	ug/kg	55.8	50.1	90	70-136	
Dichlorodifluoromethane	ug/kg	55.8	45.6	82	36-148	
Diisopropyl ether	ug/kg	55.8	55.6	100	70-139	
Ethylbenzene	ug/kg	55.8	56.4	101	70-137	
Hexachloro-1,3-butadiene	ug/kg	55.8	57.5	103	70-145	
Isopropylbenzene (Cumene)	ug/kg	55.8	55.2	99	70-141	
m&p-Xylene	ug/kg	112	111	99	70-140	
Methyl-tert-butyl ether	ug/kg	55.8	55.6	100	45-150	
Methylene Chloride	ug/kg	55.8	47.9	86	70-133	
n-Butylbenzene	ug/kg	55.8	57.7	103	65-155	
n-Propylbenzene	ug/kg	55.8	58.4	105	70-148	
Naphthalene	ug/kg	55.8	57.9	104	70-148	
o-Xylene	ug/kg	55.8	52.8	95	70-141	
p-Isopropyltoluene	ug/kg	55.8	58.6	105	70-148	
sec-Butylbenzene	ug/kg	55.8	58.1	104	70-145	
Styrene	ug/kg	55.8	54.1	97	70-138	
tert-Butylbenzene	ug/kg	55.8	58.3	105	70-143	
Tetrachloroethene	ug/kg	55.8	59.3	106	70-140	
Toluene	ug/kg	55.8	51.2	92	70-130	
trans-1,2-Dichloroethene	ug/kg	55.8	53.0	95	70-136	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 857804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	55.8	61.8	111	70-138	
Trichloroethene	ug/kg	55.8	60.0	108	70-132	
Trichlorofluoromethane	ug/kg	55.8	62.5	112	69-134	
Vinyl acetate	ug/kg	112	130	116	24-161	
Vinyl chloride	ug/kg	55.8	45.3	81	55-140	
Xylene (Total)	ug/kg	167	164	98	70-141	
1,2-Dichloroethane-d4 (S)	%			95	70-132	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 859569

Parameter	Units	92135391001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	57	64.7	114	49-180	
Benzene	ug/kg	ND	57	57.2	100	50-166	
Chlorobenzene	ug/kg	ND	57	71.3	125	43-169	
Toluene	ug/kg	ND	57	70.9	124	52-163	
Trichloroethene	ug/kg	ND	57	68.2	120	49-167	
1,2-Dichloroethane-d4 (S)	%				103	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Dibromofluoromethane (S)	%				100	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 859568

Parameter	Units	92135342003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

SAMPLE DUPLICATE: 859568

Parameter	Units	92135342003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	ND		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	4.6J		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

SAMPLE DUPLICATE: 859568

Parameter	Units	92135342003 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	105	100	23		
4-Bromofluorobenzene (S)	%	94	99	33		
Dibromofluoromethane (S)	%	103	107	32		
Toluene-d8 (S)	%	100	99	27		

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

QC Batch: MSV/20830

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 92135391011

METHOD BLANK: 859041

Matrix: Solid

Associated Lab Samples: 92135391011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,1,1-Trichloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,1,2-Trichloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,1-Dichloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,1-Dichloroethene	ug/kg	ND	6.4	10/24/12 17:47	
1,1-Dichloropropene	ug/kg	ND	6.4	10/24/12 17:47	
1,2,3-Trichlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,2,3-Trichloropropane	ug/kg	ND	6.4	10/24/12 17:47	
1,2,4-Trichlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,2,4-Trimethylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.4	10/24/12 17:47	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.4	10/24/12 17:47	
1,2-Dichlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,2-Dichloroethane	ug/kg	ND	6.4	10/24/12 17:47	
1,2-Dichloropropane	ug/kg	ND	6.4	10/24/12 17:47	
1,3,5-Trimethylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,3-Dichlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
1,3-Dichloropropane	ug/kg	ND	6.4	10/24/12 17:47	
1,4-Dichlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
2,2-Dichloropropane	ug/kg	ND	6.4	10/24/12 17:47	
2-Butanone (MEK)	ug/kg	ND	128	10/24/12 17:47	
2-Chlorotoluene	ug/kg	ND	6.4	10/24/12 17:47	
2-Hexanone	ug/kg	ND	64.1	10/24/12 17:47	
4-Chlorotoluene	ug/kg	ND	6.4	10/24/12 17:47	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	64.1	10/24/12 17:47	
Acetone	ug/kg	ND	128	10/24/12 17:47	
Benzene	ug/kg	ND	6.4	10/24/12 17:47	
Bromobenzene	ug/kg	ND	6.4	10/24/12 17:47	
Bromochloromethane	ug/kg	ND	6.4	10/24/12 17:47	
Bromodichloromethane	ug/kg	ND	6.4	10/24/12 17:47	
Bromoform	ug/kg	ND	6.4	10/24/12 17:47	
Bromomethane	ug/kg	ND	12.8	10/24/12 17:47	
Carbon tetrachloride	ug/kg	ND	6.4	10/24/12 17:47	
Chlorobenzene	ug/kg	ND	6.4	10/24/12 17:47	
Chloroethane	ug/kg	ND	12.8	10/24/12 17:47	
Chloroform	ug/kg	ND	6.4	10/24/12 17:47	
Chloromethane	ug/kg	ND	12.8	10/24/12 17:47	
cis-1,2-Dichloroethene	ug/kg	ND	6.4	10/24/12 17:47	
cis-1,3-Dichloropropene	ug/kg	ND	6.4	10/24/12 17:47	
Dibromochloromethane	ug/kg	ND	6.4	10/24/12 17:47	
Dibromomethane	ug/kg	ND	6.4	10/24/12 17:47	
Dichlorodifluoromethane	ug/kg	ND	12.8	10/24/12 17:47	

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QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

METHOD BLANK: 859041 Matrix: Solid

Associated Lab Samples: 92135391011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	6.4	10/24/12 17:47	
Ethylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
Hexachloro-1,3-butadiene	ug/kg	ND	6.4	10/24/12 17:47	
Isopropylbenzene (Cumene)	ug/kg	ND	6.4	10/24/12 17:47	
m&p-Xylene	ug/kg	ND	12.8	10/24/12 17:47	
Methyl-tert-butyl ether	ug/kg	ND	6.4	10/24/12 17:47	
Methylene Chloride	ug/kg	ND	25.6	10/24/12 17:47	
n-Butylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
n-Propylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
Naphthalene	ug/kg	ND	6.4	10/24/12 17:47	
o-Xylene	ug/kg	ND	6.4	10/24/12 17:47	
p-Isopropyltoluene	ug/kg	ND	6.4	10/24/12 17:47	
sec-Butylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
Styrene	ug/kg	ND	6.4	10/24/12 17:47	
tert-Butylbenzene	ug/kg	ND	6.4	10/24/12 17:47	
Tetrachloroethene	ug/kg	ND	6.4	10/24/12 17:47	
Toluene	ug/kg	ND	6.4	10/24/12 17:47	
trans-1,2-Dichloroethene	ug/kg	ND	6.4	10/24/12 17:47	
trans-1,3-Dichloropropene	ug/kg	ND	6.4	10/24/12 17:47	
Trichloroethene	ug/kg	ND	6.4	10/24/12 17:47	
Trichlorofluoromethane	ug/kg	ND	6.4	10/24/12 17:47	
Vinyl acetate	ug/kg	ND	64.1	10/24/12 17:47	
Vinyl chloride	ug/kg	ND	12.8	10/24/12 17:47	
Xylene (Total)	ug/kg	ND	12.8	10/24/12 17:47	
1,2-Dichloroethane-d4 (S)	%	102	70-132	10/24/12 17:47	
4-Bromofluorobenzene (S)	%	93	70-130	10/24/12 17:47	
Dibromofluoromethane (S)	%	96	70-130	10/24/12 17:47	
Toluene-d8 (S)	%	97	70-130	10/24/12 17:47	

LABORATORY CONTROL SAMPLE: 859042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	57.2	54.6	96	70-131	
1,1,1-Trichloroethane	ug/kg	57.2	62.8	110	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	57.2	52.9	92	70-130	
1,1,2-Trichloroethane	ug/kg	57.2	53.5	93	70-132	
1,1-Dichloroethane	ug/kg	57.2	56.7	99	70-143	
1,1-Dichloroethene	ug/kg	57.2	54.5	95	70-137	
1,1-Dichloropropene	ug/kg	57.2	54.7	96	70-135	
1,2,3-Trichlorobenzene	ug/kg	57.2	59.6	104	69-153	
1,2,3-Trichloropropane	ug/kg	57.2	52.9	93	70-130	
1,2,4-Trichlorobenzene	ug/kg	57.2	59.2	103	55-171	
1,2,4-Trimethylbenzene	ug/kg	57.2	57.7	101	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	57.2	57.8	101	68-141	
1,2-Dibromoethane (EDB)	ug/kg	57.2	55.7	97	70-130	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 859042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	57.2	57.0	100	70-140	
1,2-Dichloroethane	ug/kg	57.2	55.7	97	70-137	
1,2-Dichloropropane	ug/kg	57.2	54.2	95	70-133	
1,3,5-Trimethylbenzene	ug/kg	57.2	57.1	100	70-143	
1,3-Dichlorobenzene	ug/kg	57.2	55.8	97	70-144	
1,3-Dichloropropane	ug/kg	57.2	56.4	99	70-132	
1,4-Dichlorobenzene	ug/kg	57.2	54.4	95	70-142	
2,2-Dichloropropane	ug/kg	57.2	60.1	105	68-152	
2-Butanone (MEK)	ug/kg	114	99.5J	87	70-149	
2-Chlorotoluene	ug/kg	57.2	57.6	101	70-141	
2-Hexanone	ug/kg	114	126	110	70-149	
4-Chlorotoluene	ug/kg	57.2	58.4	102	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	114	114	99	70-153	
Acetone	ug/kg	114	106J	93	70-157	
Benzene	ug/kg	57.2	54.2	95	70-130	
Bromobenzene	ug/kg	57.2	58.6	102	70-141	
Bromochloromethane	ug/kg	57.2	51.1	89	70-149	
Bromodichloromethane	ug/kg	57.2	57.8	101	70-130	
Bromoform	ug/kg	57.2	56.0	98	70-131	
Bromomethane	ug/kg	57.2	48.3	84	64-136	
Carbon tetrachloride	ug/kg	57.2	62.4	109	70-154	
Chlorobenzene	ug/kg	57.2	54.1	95	70-135	
Chloroethane	ug/kg	57.2	49.9	87	68-151	
Chloroform	ug/kg	57.2	57.2	100	70-130	
Chloromethane	ug/kg	57.2	50.0	87	70-132	
cis-1,2-Dichloroethene	ug/kg	57.2	59.2	103	70-140	
cis-1,3-Dichloropropene	ug/kg	57.2	58.3	102	70-137	
Dibromochloromethane	ug/kg	57.2	59.7	104	70-130	
Dibromomethane	ug/kg	57.2	53.2	93	70-136	
Dichlorodifluoromethane	ug/kg	57.2	49.5	86	36-148	
Diisopropyl ether	ug/kg	57.2	55.1	96	70-139	
Ethylbenzene	ug/kg	57.2	56.1	98	70-137	
Hexachloro-1,3-butadiene	ug/kg	57.2	56.7	99	70-145	
Isopropylbenzene (Cumene)	ug/kg	57.2	56.9	99	70-141	
m&p-Xylene	ug/kg	114	113	99	70-140	
Methyl-tert-butyl ether	ug/kg	57.2	60.1	105	45-150	
Methylene Chloride	ug/kg	57.2	48.0	84	70-133	
n-Butylbenzene	ug/kg	57.2	57.9	101	65-155	
n-Propylbenzene	ug/kg	57.2	57.4	100	70-148	
Naphthalene	ug/kg	57.2	60.7	106	70-148	
o-Xylene	ug/kg	57.2	56.2	98	70-141	
p-Isopropyltoluene	ug/kg	57.2	58.0	101	70-148	
sec-Butylbenzene	ug/kg	57.2	58.2	102	70-145	
Styrene	ug/kg	57.2	56.3	98	70-138	
tert-Butylbenzene	ug/kg	57.2	58.2	102	70-143	
Tetrachloroethene	ug/kg	57.2	54.6	95	70-140	
Toluene	ug/kg	57.2	50.9	89	70-130	
trans-1,2-Dichloroethene	ug/kg	57.2	56.7	99	70-136	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 859042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	57.2	57.0	100	70-138	
Trichloroethene	ug/kg	57.2	53.7	94	70-132	
Trichlorofluoromethane	ug/kg	57.2	57.7	101	69-134	
Vinyl acetate	ug/kg	114	114	100	24-161	
Vinyl chloride	ug/kg	57.2	43.3	76	55-140	
Xylene (Total)	ug/kg	172	169	99	70-141	
1,2-Dichloroethane-d4 (S)	%			103	70-132	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

QC Batch: MSV/20838 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92135391004

METHOD BLANK: 859800 Matrix: Solid
Associated Lab Samples: 92135391004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,1,1-Trichloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,1,2-Trichloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,1-Dichloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,1-Dichloroethene	ug/kg	ND	6.3	10/25/12 11:06	
1,1-Dichloropropene	ug/kg	ND	6.3	10/25/12 11:06	
1,2,3-Trichlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,2,3-Trichloropropane	ug/kg	ND	6.3	10/25/12 11:06	
1,2,4-Trichlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,2,4-Trimethylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.3	10/25/12 11:06	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.3	10/25/12 11:06	
1,2-Dichlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,2-Dichloroethane	ug/kg	ND	6.3	10/25/12 11:06	
1,2-Dichloropropane	ug/kg	ND	6.3	10/25/12 11:06	
1,3,5-Trimethylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,3-Dichlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
1,3-Dichloropropane	ug/kg	ND	6.3	10/25/12 11:06	
1,4-Dichlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
2,2-Dichloropropane	ug/kg	ND	6.3	10/25/12 11:06	
2-Butanone (MEK)	ug/kg	ND	126	10/25/12 11:06	
2-Chlorotoluene	ug/kg	ND	6.3	10/25/12 11:06	
2-Hexanone	ug/kg	ND	63.0	10/25/12 11:06	
4-Chlorotoluene	ug/kg	ND	6.3	10/25/12 11:06	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	63.0	10/25/12 11:06	
Acetone	ug/kg	ND	126	10/25/12 11:06	
Benzene	ug/kg	ND	6.3	10/25/12 11:06	
Bromobenzene	ug/kg	ND	6.3	10/25/12 11:06	
Bromochloromethane	ug/kg	ND	6.3	10/25/12 11:06	
Bromodichloromethane	ug/kg	ND	6.3	10/25/12 11:06	
Bromoform	ug/kg	ND	6.3	10/25/12 11:06	
Bromomethane	ug/kg	ND	12.6	10/25/12 11:06	
Carbon tetrachloride	ug/kg	ND	6.3	10/25/12 11:06	
Chlorobenzene	ug/kg	ND	6.3	10/25/12 11:06	
Chloroethane	ug/kg	ND	12.6	10/25/12 11:06	
Chloroform	ug/kg	ND	6.3	10/25/12 11:06	
Chloromethane	ug/kg	ND	12.6	10/25/12 11:06	
cis-1,2-Dichloroethene	ug/kg	ND	6.3	10/25/12 11:06	
cis-1,3-Dichloropropene	ug/kg	ND	6.3	10/25/12 11:06	
Dibromochloromethane	ug/kg	ND	6.3	10/25/12 11:06	
Dibromomethane	ug/kg	ND	6.3	10/25/12 11:06	
Dichlorodifluoromethane	ug/kg	ND	12.6	10/25/12 11:06	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

METHOD BLANK: 859800

Matrix: Solid

Associated Lab Samples: 92135391004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	6.3	10/25/12 11:06	
Ethylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
Hexachloro-1,3-butadiene	ug/kg	ND	6.3	10/25/12 11:06	
Isopropylbenzene (Cumene)	ug/kg	ND	6.3	10/25/12 11:06	
m&p-Xylene	ug/kg	ND	12.6	10/25/12 11:06	
Methyl-tert-butyl ether	ug/kg	ND	6.3	10/25/12 11:06	
Methylene Chloride	ug/kg	ND	25.2	10/25/12 11:06	
n-Butylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
n-Propylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
Naphthalene	ug/kg	ND	6.3	10/25/12 11:06	
o-Xylene	ug/kg	ND	6.3	10/25/12 11:06	
p-Isopropyltoluene	ug/kg	ND	6.3	10/25/12 11:06	
sec-Butylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
Styrene	ug/kg	ND	6.3	10/25/12 11:06	
tert-Butylbenzene	ug/kg	ND	6.3	10/25/12 11:06	
Tetrachloroethene	ug/kg	ND	6.3	10/25/12 11:06	
Toluene	ug/kg	ND	6.3	10/25/12 11:06	
trans-1,2-Dichloroethene	ug/kg	ND	6.3	10/25/12 11:06	
trans-1,3-Dichloropropene	ug/kg	ND	6.3	10/25/12 11:06	
Trichloroethene	ug/kg	ND	6.3	10/25/12 11:06	
Trichlorofluoromethane	ug/kg	ND	6.3	10/25/12 11:06	
Vinyl acetate	ug/kg	ND	63.0	10/25/12 11:06	
Vinyl chloride	ug/kg	ND	12.6	10/25/12 11:06	
Xylene (Total)	ug/kg	ND	12.6	10/25/12 11:06	
1,2-Dichloroethane-d4 (S)	%	99	70-132	10/25/12 11:06	
4-Bromofluorobenzene (S)	%	100	70-130	10/25/12 11:06	
Dibromofluoromethane (S)	%	108	70-130	10/25/12 11:06	
Toluene-d8 (S)	%	101	70-130	10/25/12 11:06	

LABORATORY CONTROL SAMPLE: 859801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	56.7	55.4	98	70-131	
1,1,1-Trichloroethane	ug/kg	56.7	55.2	97	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	56.7	54.5	96	70-130	
1,1,2-Trichloroethane	ug/kg	56.7	56.3	99	70-132	
1,1-Dichloroethane	ug/kg	56.7	56.4	99	70-143	
1,1-Dichloroethene	ug/kg	56.7	59.6	105	70-137	
1,1-Dichloropropene	ug/kg	56.7	47.9	84	70-135	
1,2,3-Trichlorobenzene	ug/kg	56.7	58.2	103	69-153	
1,2,3-Trichloropropane	ug/kg	56.7	56.8	100	70-130	
1,2,4-Trichlorobenzene	ug/kg	56.7	58.0	102	55-171	
1,2,4-Trimethylbenzene	ug/kg	56.7	57.8	102	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	56.7	56.7	100	68-141	
1,2-Dibromoethane (EDB)	ug/kg	56.7	57.0	101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 859801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	56.7	58.7	104	70-140	
1,2-Dichloroethane	ug/kg	56.7	50.0	88	70-137	
1,2-Dichloropropane	ug/kg	56.7	52.1	92	70-133	
1,3,5-Trimethylbenzene	ug/kg	56.7	57.6	102	70-143	
1,3-Dichlorobenzene	ug/kg	56.7	56.7	100	70-144	
1,3-Dichloropropane	ug/kg	56.7	52.9	93	70-132	
1,4-Dichlorobenzene	ug/kg	56.7	56.3	99	70-142	
2,2-Dichloropropane	ug/kg	56.7	54.3	96	68-152	
2-Butanone (MEK)	ug/kg	113	98.8J	87	70-149	
2-Chlorotoluene	ug/kg	56.7	56.9	100	70-141	
2-Hexanone	ug/kg	113	113	100	70-149	
4-Chlorotoluene	ug/kg	56.7	58.5	103	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	113	117	103	70-153	
Acetone	ug/kg	113	92.6J	82	70-157	
Benzene	ug/kg	56.7	57.3	101	70-130	
Bromobenzene	ug/kg	56.7	56.7	100	70-141	
Bromochloromethane	ug/kg	56.7	57.5	101	70-149	
Bromodichloromethane	ug/kg	56.7	57.0	101	70-130	
Bromoform	ug/kg	56.7	59.7	105	70-131	
Bromomethane	ug/kg	56.7	64.4	114	64-136	
Carbon tetrachloride	ug/kg	56.7	54.0	95	70-154	
Chlorobenzene	ug/kg	56.7	57.6	102	70-135	
Chloroethane	ug/kg	56.7	61.8	109	68-151	
Chloroform	ug/kg	56.7	55.9	99	70-130	
Chloromethane	ug/kg	56.7	67.3	119	70-132	
cis-1,2-Dichloroethene	ug/kg	56.7	59.1	104	70-140	
cis-1,3-Dichloropropene	ug/kg	56.7	56.6	100	70-137	
Dibromochloromethane	ug/kg	56.7	56.7	100	70-130	
Dibromomethane	ug/kg	56.7	57.7	102	70-136	
Dichlorodifluoromethane	ug/kg	56.7	77.8	137	36-148	
Diisopropyl ether	ug/kg	56.7	53.2	94	70-139	
Ethylbenzene	ug/kg	56.7	58.7	103	70-137	
Hexachloro-1,3-butadiene	ug/kg	56.7	56.4	99	70-145	
Isopropylbenzene (Cumene)	ug/kg	56.7	60.6	107	70-141	
m&p-Xylene	ug/kg	113	121	107	70-140	
Methyl-tert-butyl ether	ug/kg	56.7	54.8	97	45-150	
Methylene Chloride	ug/kg	56.7	52.3	92	70-133	
n-Butylbenzene	ug/kg	56.7	57.2	101	65-155	
n-Propylbenzene	ug/kg	56.7	57.1	101	70-148	
Naphthalene	ug/kg	56.7	59.6	105	70-148	
o-Xylene	ug/kg	56.7	57.9	102	70-141	
p-Isopropyltoluene	ug/kg	56.7	58.6	103	70-148	
sec-Butylbenzene	ug/kg	56.7	57.4	101	70-145	
Styrene	ug/kg	56.7	61.7	109	70-138	
tert-Butylbenzene	ug/kg	56.7	57.4	101	70-143	
Tetrachloroethene	ug/kg	56.7	56.2	99	70-140	
Toluene	ug/kg	56.7	58.1	103	70-130	
trans-1,2-Dichloroethene	ug/kg	56.7	58.5	103	70-136	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 859801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	56.7	60.8	107	70-138	
Trichloroethene	ug/kg	56.7	55.4	98	70-132	
Trichlorofluoromethane	ug/kg	56.7	62.5	110	69-134	
Vinyl acetate	ug/kg	113	108	96	24-161	
Vinyl chloride	ug/kg	56.7	58.5	103	55-140	
Xylene (Total)	ug/kg	170	179	105	70-141	
1,2-Dichloroethane-d4 (S)	%			94	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			102	70-130	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

QC Batch: OEXT/19341 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
 Associated Lab Samples: 92135391008, 92135391009, 92135391010

METHOD BLANK: 854341 Matrix: Solid

Associated Lab Samples: 92135391008, 92135391009, 92135391010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	10/17/12 21:45	
n-Pentacosane (S)	%	88	41-119	10/17/12 21:45	

LABORATORY CONTROL SAMPLE: 854342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	43.0	65	49-113	
n-Pentacosane (S)	%			85	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 854343 854344

Parameter	Units	92135424008		854344		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Diesel Components	mg/kg	46.5	75.1	75.1	99.5	71	155	10-146	48	30	M3,R2
n-Pentacosane (S)	%					100	125	41-119			S0

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

QC Batch: OEXT/19355 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92135391005, 92135391006, 92135391007

METHOD BLANK: 854899 Matrix: Solid

Associated Lab Samples: 92135391005, 92135391006, 92135391007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	10/19/12 15:38	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	10/19/12 15:38	
Decachlorobiphenyl (S)	%	73	21-132	10/19/12 15:38	

LABORATORY CONTROL SAMPLE: 854900

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	122	73	49-110	
PCB-1260 (Aroclor 1260)	ug/kg	167	138	83	50-110	
Decachlorobiphenyl (S)	%			79	21-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 854901 854902

Parameter	Units	92135391005		854902		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
PCB-1016 (Aroclor 1016)	ug/kg	ND	169	169	118	127	70	75	49-150	7	30
PCB-1260 (Aroclor 1260)	ug/kg	368	169	169	470	348	61	-12	50-150	30	30 M3
Decachlorobiphenyl (S)	%						75	77	21-132		

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

QC Batch: OEXT/19343

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave PAH

Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

METHOD BLANK: 854370

Matrix: Solid

Associated Lab Samples: 92135391001, 92135391002, 92135391003, 92135391004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	10/18/12 17:45	
2-Methylnaphthalene	ug/kg	ND	330	10/18/12 17:45	
Acenaphthene	ug/kg	ND	330	10/18/12 17:45	
Acenaphthylene	ug/kg	ND	330	10/18/12 17:45	
Anthracene	ug/kg	ND	330	10/18/12 17:45	
Benzo(a)anthracene	ug/kg	ND	330	10/18/12 17:45	
Benzo(a)pyrene	ug/kg	ND	330	10/18/12 17:45	
Benzo(b)fluoranthene	ug/kg	ND	330	10/18/12 17:45	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/18/12 17:45	
Benzo(k)fluoranthene	ug/kg	ND	330	10/18/12 17:45	
Chrysene	ug/kg	ND	330	10/18/12 17:45	
Dibenz(a,h)anthracene	ug/kg	ND	330	10/18/12 17:45	
Fluoranthene	ug/kg	ND	330	10/18/12 17:45	
Fluorene	ug/kg	ND	330	10/18/12 17:45	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/18/12 17:45	
Naphthalene	ug/kg	ND	330	10/18/12 17:45	
Phenanthrene	ug/kg	ND	330	10/18/12 17:45	
Pyrene	ug/kg	ND	330	10/18/12 17:45	
2-Fluorobiphenyl (S)	%	75	30-110	10/18/12 17:45	
Nitrobenzene-d5 (S)	%	73	23-110	10/18/12 17:45	
Terphenyl-d14 (S)	%	81	28-110	10/18/12 17:45	

LABORATORY CONTROL SAMPLE: 854371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1260	76	45-105	
2-Methylnaphthalene	ug/kg	1670	1250	75	39-112	
Acenaphthene	ug/kg	1670	1340	80	38-117	
Acenaphthylene	ug/kg	1670	1310	79	46-107	
Anthracene	ug/kg	1670	1410	85	50-110	
Benzo(a)anthracene	ug/kg	1670	1500	90	47-116	
Benzo(a)pyrene	ug/kg	1670	1540	92	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1500	90	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1450	87	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1440	86	45-117	
Chrysene	ug/kg	1670	1460	87	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1480	89	43-116	
Fluoranthene	ug/kg	1670	1510	91	50-114	
Fluorene	ug/kg	1670	1360	82	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1500	90	42-115	
Naphthalene	ug/kg	1670	1250	75	41-110	

QUALITY CONTROL DATA

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

LABORATORY CONTROL SAMPLE: 854371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1390	83	50-110	
Pyrene	ug/kg	1670	1430	86	45-114	
2-Fluorobiphenyl (S)	%			74	30-110	
Nitrobenzene-d5 (S)	%			73	23-110	
Terphenyl-d14 (S)	%			74	28-110	

QUALIFIERS

Project: 32538-5 DOUBLE EAGLE-DIXON
Pace Project No.: 92135391

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

R2 RPD value was outside control limits due to matrix interference

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 32538-5 DOUBLE EAGLE-DIXON

Pace Project No.: 92135391

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92135391008	SB-3-15-17	EPA 3546	OEXT/19341	EPA 8015 Modified	GCSV/13101
92135391009	SB-101-15-17	EPA 3546	OEXT/19341	EPA 8015 Modified	GCSV/13101
92135391010	SB-2-10-12	EPA 3546	OEXT/19341	EPA 8015 Modified	GCSV/13101
92135391005	SB-1-6-8	EPA 3546	OEXT/19355	EPA 8082	GCSV/13126
92135391006	SB-1-8-10	EPA 3546	OEXT/19355	EPA 8082	GCSV/13126
92135391007	SB-100-8-10	EPA 3546	OEXT/19355	EPA 8082	GCSV/13126
92135391008	SB-3-15-17	EPA 5035A/5030B	GCV/6340	EPA 8015 Modified	GCV/6341
92135391009	SB-101-15-17	EPA 5035A/5030B	GCV/6340	EPA 8015 Modified	GCV/6341
92135391010	SB-2-10-12	EPA 5035A/5030B	GCV/6340	EPA 8015 Modified	GCV/6341
92135391001	SB-4-33.5-35.5	EPA 3050	MPRP/11765	EPA 6010	ICP/10774
92135391002	SB-6-51-53	EPA 3050	MPRP/11765	EPA 6010	ICP/10774
92135391003	SB-5-15-17	EPA 3050	MPRP/11765	EPA 6010	ICP/10774
92135391004	SB-102-15-17	EPA 3050	MPRP/11765	EPA 6010	ICP/10774
92135391001	SB-4-33.5-35.5	EPA 7471	MERP/4614	EPA 7471	MERC/4518
92135391002	SB-6-51-53	EPA 7471	MERP/4614	EPA 7471	MERC/4518
92135391003	SB-5-15-17	EPA 7471	MERP/4614	EPA 7471	MERC/4518
92135391004	SB-102-15-17	EPA 7471	MERP/4614	EPA 7471	MERC/4518
92135391001	SB-4-33.5-35.5	EPA 3546	OEXT/19343	EPA 8270	MSSV/6877
92135391002	SB-6-51-53	EPA 3546	OEXT/19343	EPA 8270	MSSV/6877
92135391003	SB-5-15-17	EPA 3546	OEXT/19343	EPA 8270	MSSV/6877
92135391004	SB-102-15-17	EPA 3546	OEXT/19343	EPA 8270	MSSV/6877
92135391001	SB-4-33.5-35.5	EPA 8260	MSV/20811		
92135391002	SB-6-51-53	EPA 8260	MSV/20811		
92135391003	SB-5-15-17	EPA 8260	MSV/20811		
92135391004	SB-102-15-17	EPA 8260	MSV/20838		
92135391011	TB 101512-1	EPA 8260	MSV/20830		
92135391001	SB-4-33.5-35.5	ASTM D2974-87	PMST/5061		
92135391002	SB-6-51-53	ASTM D2974-87	PMST/5061		
92135391003	SB-5-15-17	ASTM D2974-87	PMST/5061		
92135391004	SB-102-15-17	ASTM D2974-87	PMST/5061		
92135391005	SB-1-6-8	ASTM D2974-87	PMST/5061		
92135391006	SB-1-8-10	ASTM D2974-87	PMST/5061		
92135391007	SB-100-8-10	ASTM D2974-87	PMST/5061		
92135391008	SB-3-15-17	ASTM D2974-87	PMST/5061		
92135391009	SB-101-15-17	ASTM D2974-87	PMST/5061		
92135391010	SB-2-10-12	ASTM D2974-87	PMST/5061		



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October 30, 2012

Ms. Erin Huntley
WSP Environmental Strategies
750 Holiday Drive
Suite 410
Pittsburgh, PA 15220

RE: Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Dear Ms. Huntley:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
 North Carolina Drinking Water Certification #: 37706
 North Carolina Field Services Certification #: 5342
 North Carolina Wastewater Certification #: 12
 South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
 Kentucky UST Certification #: 84
 West Virginia Certification #: 357
 Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
 Florida/NELAP Certification #: E87648
 Massachusetts Certification #: M-NC030
 North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
 South Carolina Certification #: 99030001
 West Virginia Certification #: 356
 Virginia/VELAP Certification #: 460222

SAMPLE SUMMARY

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92135830001	TB101612-1	Solid	10/16/12 14:00	10/19/12 08:25
92135830002	SB-7-31-33	Solid	10/16/12 14:55	10/19/12 08:25
92135830003	EB101612-1	Water	10/16/12 15:30	10/19/12 08:25
92135830004	TB101812-1	Water	10/16/12 12:00	10/19/12 08:25
92135830005	MW-3	Water	10/18/12 13:00	10/19/12 08:25
92135830006	MW-1	Water	10/18/12 16:00	10/19/12 08:25
92135830007	MW-4	Water	10/18/12 17:30	10/19/12 08:25
92135830008	MW-100	Water	10/18/12 17:45	10/19/12 08:25
92135830009	EB101812-1	Water	10/18/12 18:00	10/19/12 08:25

REPORT OF LABORATORY ANALYSIS



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SAMPLE ANALYTE COUNT

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92135830001	TB101612-1	EPA 8260	DLK	71	PASI-C
92135830002	SB-7-31-33	EPA 6010	JMW	7	PASI-A
		EPA 7471	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	DLK	71	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135830003	EB101612-1	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	63	PASI-C
92135830004	TB101812-1	EPA 8260	KJM	63	PASI-C
92135830005	MW-3	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135830006	MW-1	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135830007	MW-4	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135830008	MW-100	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	63	PASI-C
92135830009	EB101812-1	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	63	PASI-C

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 6010
Description: 6010 MET ICP
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

7 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MPRP/11796

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 858669)
- Cadmium

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 7470
Description: 7470 Mercury
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

6 samples were analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 7471
Description: 7471 Mercury
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

1 sample was analyzed for EPA 7471. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MERP/4616

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92136018001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 859193)
- Mercury

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 8270
Description: 8270 MSSV PAH Microwave
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

1 sample was analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

6 samples were analyzed for EPA 8270. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 8260
Description: 8260 MSV Low Level
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

7 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/20833

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92135605008

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- MSD (Lab ID: 859654)
 - 1,1-Dichloroethene
 - Benzene
 - Chlorobenzene
 - Toluene
 - Trichloroethene

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 859654)
 - 1,1-Dichloroethene
 - Benzene
 - Chlorobenzene
 - Toluene
 - Trichloroethene

REPORT OF LABORATORY ANALYSIS



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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 8260
Description: 8260 MSV Low Level
Client: WSP Environmental Strategies
Date: October 30, 2012

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: WSP Environmental Strategies
Date: October 30, 2012

General Information:

2 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/20888

LO: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 861896)
 - 1,1-Dichloropropene
 - Carbon tetrachloride

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: TB101612-1 **Lab ID:** 92135830001 Collected: 10/16/12 14:00 Received: 10/19/12 08:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	100	1		10/29/12 12:00	67-64-1	
Benzene	ND	ug/kg	5.0	1		10/29/12 12:00	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		10/29/12 12:00	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		10/29/12 12:00	75-27-4	
Bromoform	ND	ug/kg	5.0	1		10/29/12 12:00	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		10/29/12 12:00	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		10/29/12 12:00	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		10/29/12 12:00	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		10/29/12 12:00	75-00-3	
Chloroform	ND	ug/kg	5.0	1		10/29/12 12:00	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		10/29/12 12:00	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		10/29/12 12:00	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		10/29/12 12:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		10/29/12 12:00	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		10/29/12 12:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		10/29/12 12:00	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		10/29/12 12:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		10/29/12 12:00	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		10/29/12 12:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/29/12 12:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/29/12 12:00	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		10/29/12 12:00	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		10/29/12 12:00	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		10/29/12 12:00	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		10/29/12 12:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/29/12 12:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/29/12 12:00	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		10/29/12 12:00	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		10/29/12 12:00	87-68-3	
2-Hexanone	ND	ug/kg	50.0	1		10/29/12 12:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		10/29/12 12:00	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		10/29/12 12:00	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		10/29/12 12:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		10/29/12 12:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		10/29/12 12:00	1634-04-4	

Date: 10/30/2012 03:14 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: TB101612-1 **Lab ID:** 92135830001 Collected: 10/16/12 14:00 Received: 10/19/12 08:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Naphthalene	ND	ug/kg	5.0	1		10/29/12 12:00	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	103-65-1	
Styrene	ND	ug/kg	5.0	1		10/29/12 12:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	630-20-6	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		10/29/12 12:00	127-18-4	
Toluene	ND	ug/kg	5.0	1		10/29/12 12:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		10/29/12 12:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		10/29/12 12:00	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		10/29/12 12:00	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		10/29/12 12:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		10/29/12 12:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		10/29/12 12:00	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	1		10/29/12 12:00	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		10/29/12 12:00	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		10/29/12 12:00	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		10/29/12 12:00	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		10/29/12 12:00	95-47-6	
Surrogates								
Dibromofluoromethane (S)	110 %		70-130	1		10/29/12 12:00	1868-53-7	
Toluene-d8 (S)	99 %		70-130	1		10/29/12 12:00	2037-26-5	
4-Bromofluorobenzene (S)	99 %		70-130	1		10/29/12 12:00	460-00-4	
1,2-Dichloroethane-d4 (S)	113 %		70-132	1		10/29/12 12:00	17060-07-0	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: SB-7-31-33 **Lab ID: 92135830002** Collected: 10/16/12 14:55 Received: 10/19/12 08:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3050						
Arsenic	1.9	mg/kg	0.57	1	10/24/12 12:30	10/25/12 02:27	7440-38-2	
Barium	220	mg/kg	0.57	1	10/24/12 12:30	10/25/12 02:27	7440-39-3	
Cadmium	0.80	mg/kg	0.11	1	10/24/12 12:30	10/25/12 02:27	7440-43-9	
Chromium	6.4	mg/kg	0.57	1	10/24/12 12:30	10/25/12 02:27	7440-47-3	
Lead	5.9	mg/kg	0.57	1	10/24/12 12:30	10/25/12 02:27	7439-92-1	
Selenium	ND	mg/kg	1.1	1	10/24/12 12:30	10/25/12 02:27	7782-49-2	
Silver	ND	mg/kg	0.57	1	10/24/12 12:30	10/25/12 02:27	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.0046	1	10/25/12 12:15	10/25/12 16:03	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	83-32-9	
Acenaphthylene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	208-96-8	
Anthracene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	207-08-9	
Chrysene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	53-70-3	
Fluoranthene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	206-44-0	
Fluorene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	193-39-5	
1-Methylnaphthalene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	91-57-6	
Naphthalene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	91-20-3	
Phenanthrene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	85-01-8	
Pyrene	ND	ug/kg	394	1	10/21/12 16:30	10/23/12 14:47	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	79	%	23-110	1	10/21/12 16:30	10/23/12 14:47	4165-60-0	
2-Fluorobiphenyl (S)	74	%	30-110	1	10/21/12 16:30	10/23/12 14:47	321-60-8	
Terphenyl-d14 (S)	82	%	28-110	1	10/21/12 16:30	10/23/12 14:47	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	149	1		10/29/12 12:19	67-64-1	
Benzene	ND	ug/kg	7.5	1		10/29/12 12:19	71-43-2	
Bromobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	108-86-1	
Bromochloromethane	ND	ug/kg	7.5	1		10/29/12 12:19	74-97-5	
Bromodichloromethane	ND	ug/kg	7.5	1		10/29/12 12:19	75-27-4	
Bromoform	ND	ug/kg	7.5	1		10/29/12 12:19	75-25-2	
Bromomethane	ND	ug/kg	14.9	1		10/29/12 12:19	74-83-9	
2-Butanone (MEK)	ND	ug/kg	149	1		10/29/12 12:19	78-93-3	
n-Butylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: SB-7-31-33 **Lab ID: 92135830002** Collected: 10/16/12 14:55 Received: 10/19/12 08:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
sec-Butylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.5	1		10/29/12 12:19	56-23-5	
Chlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	108-90-7	
Chloroethane	ND	ug/kg	14.9	1		10/29/12 12:19	75-00-3	
Chloroform	ND	ug/kg	7.5	1		10/29/12 12:19	67-66-3	
Chloromethane	ND	ug/kg	14.9	1		10/29/12 12:19	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.5	1		10/29/12 12:19	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.5	1		10/29/12 12:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.5	1		10/29/12 12:19	96-12-8	
Dibromochloromethane	ND	ug/kg	7.5	1		10/29/12 12:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.5	1		10/29/12 12:19	106-93-4	
Dibromomethane	ND	ug/kg	7.5	1		10/29/12 12:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.9	1		10/29/12 12:19	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.5	1		10/29/12 12:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.5	1		10/29/12 12:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.5	1		10/29/12 12:19	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.5	1		10/29/12 12:19	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.5	1		10/29/12 12:19	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.5	1		10/29/12 12:19	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.5	1		10/29/12 12:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.5	1		10/29/12 12:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.5	1		10/29/12 12:19	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.5	1		10/29/12 12:19	108-20-3	
Ethylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.5	1		10/29/12 12:19	87-68-3	
2-Hexanone	ND	ug/kg	74.5	1		10/29/12 12:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.5	1		10/29/12 12:19	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.5	1		10/29/12 12:19	99-87-6	
Methylene Chloride	ND	ug/kg	29.8	1		10/29/12 12:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	74.5	1		10/29/12 12:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.5	1		10/29/12 12:19	1634-04-4	
Naphthalene	ND	ug/kg	7.5	1		10/29/12 12:19	91-20-3	
n-Propylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	103-65-1	
Styrene	ND	ug/kg	7.5	1		10/29/12 12:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	79-34-5	
Tetrachloroethene	ND	ug/kg	7.5	1		10/29/12 12:19	127-18-4	
Toluene	ND	ug/kg	7.5	1		10/29/12 12:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.5	1		10/29/12 12:19	120-82-1	

Date: 10/30/2012 03:14 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: SB-7-31-33 **Lab ID: 92135830002** Collected: 10/16/12 14:55 Received: 10/19/12 08:25 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.5	1		10/29/12 12:19	79-00-5	
Trichloroethene	ND	ug/kg	7.5	1		10/29/12 12:19	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.5	1		10/29/12 12:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.5	1		10/29/12 12:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.5	1		10/29/12 12:19	108-67-8	
Vinyl acetate	ND	ug/kg	74.5	1		10/29/12 12:19	108-05-4	
Vinyl chloride	ND	ug/kg	14.9	1		10/29/12 12:19	75-01-4	
Xylene (Total)	ND	ug/kg	14.9	1		10/29/12 12:19	1330-20-7	
m&p-Xylene	ND	ug/kg	14.9	1		10/29/12 12:19	179601-23-1	
o-Xylene	ND	ug/kg	7.5	1		10/29/12 12:19	95-47-6	
Surrogates								
Dibromofluoromethane (S)	109 %		70-130	1		10/29/12 12:19	1868-53-7	
Toluene-d8 (S)	101 %		70-130	1		10/29/12 12:19	2037-26-5	
4-Bromofluorobenzene (S)	99 %		70-130	1		10/29/12 12:19	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		70-132	1		10/29/12 12:19	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.2 %		0.10	1		10/20/12 10:47		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: EB101612-1	Lab ID: 92135830003	Collected: 10/16/12 15:30	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:24	7440-38-2	
Barium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:24	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:24	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:24	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:24	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:24	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:24	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:41	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 16:30	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	72 %		21-110	1	10/21/12 16:30	10/23/12 16:30	4165-60-0	
2-Fluorobiphenyl (S)	75 %		27-110	1	10/21/12 16:30	10/23/12 16:30	321-60-8	
Terphenyl-d14 (S)	72 %		31-107	1	10/21/12 16:30	10/23/12 16:30	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/24/12 19:12	67-64-1	
Benzene	ND ug/L		1.0	1		10/24/12 19:12	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/24/12 19:12	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/24/12 19:12	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/24/12 19:12	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/12 19:12	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/24/12 19:12	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/24/12 19:12	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/24/12 19:12	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/24/12 19:12	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: EB101612-1	Lab ID: 92135830003	Collected: 10/16/12 15:30	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND	ug/L	1.0	1		10/24/12 19:12	75-00-3	
Chloroform	1.1	ug/L	1.0	1		10/24/12 19:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/24/12 19:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/24/12 19:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/24/12 19:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/24/12 19:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/24/12 19:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/24/12 19:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/24/12 19:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/24/12 19:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/24/12 19:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/24/12 19:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/24/12 19:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/24/12 19:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/24/12 19:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/24/12 19:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/24/12 19:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/24/12 19:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/24/12 19:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/24/12 19:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/24/12 19:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		10/24/12 19:12	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		10/24/12 19:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/24/12 19:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		10/24/12 19:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/24/12 19:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		10/24/12 19:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/24/12 19:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/24/12 19:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/24/12 19:12	91-20-3	
Styrene	ND	ug/L	1.0	1		10/24/12 19:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/24/12 19:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/24/12 19:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/24/12 19:12	127-18-4	
Toluene	ND	ug/L	1.0	1		10/24/12 19:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/24/12 19:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/24/12 19:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/24/12 19:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/24/12 19:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/24/12 19:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		10/24/12 19:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/24/12 19:12	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Sample: EB101612-1		Lab ID: 92135830003		Collected: 10/16/12 15:30	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
m&p-Xylene	ND ug/L		2.0	1		10/24/12 19:12	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/24/12 19:12	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		70-130	1		10/24/12 19:12	460-00-4	
Dibromofluoromethane (S)	106 %		70-130	1		10/24/12 19:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		10/24/12 19:12	17060-07-0	
Toluene-d8 (S)	98 %		70-130	1		10/24/12 19:12	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: TB101812-1	Lab ID: 92135830004	Collected: 10/16/12 12:00	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		10/24/12 19:31	67-64-1	
Benzene	ND ug/L		1.0	1		10/24/12 19:31	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/24/12 19:31	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/24/12 19:31	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/24/12 19:31	75-27-4	
Bromoform	ND ug/L		1.0	1		10/24/12 19:31	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/24/12 19:31	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/24/12 19:31	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/24/12 19:31	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/24/12 19:31	108-90-7	
Chloroethane	ND ug/L		1.0	1		10/24/12 19:31	75-00-3	
Chloroform	ND ug/L		1.0	1		10/24/12 19:31	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/24/12 19:31	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/24/12 19:31	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/24/12 19:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/24/12 19:31	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/24/12 19:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/24/12 19:31	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/24/12 19:31	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/24/12 19:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/24/12 19:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/24/12 19:31	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/24/12 19:31	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/24/12 19:31	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/24/12 19:31	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/24/12 19:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/12 19:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/24/12 19:31	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/24/12 19:31	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/24/12 19:31	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/24/12 19:31	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/24/12 19:31	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/24/12 19:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/24/12 19:31	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/24/12 19:31	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/24/12 19:31	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/24/12 19:31	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/24/12 19:31	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/24/12 19:31	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/24/12 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/24/12 19:31	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/24/12 19:31	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/24/12 19:31	91-20-3	
Styrene	ND ug/L		1.0	1		10/24/12 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/12 19:31	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/24/12 19:31	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/24/12 19:31	127-18-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: TB101812-1		Lab ID: 92135830004	Collected: 10/16/12 12:00	Received: 10/19/12 08:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		10/24/12 19:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/24/12 19:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/24/12 19:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/24/12 19:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/24/12 19:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/24/12 19:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/24/12 19:31	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		10/24/12 19:31	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/24/12 19:31	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		10/24/12 19:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		10/24/12 19:31	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/24/12 19:31	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		10/24/12 19:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		10/24/12 19:31	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		10/24/12 19:31	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-3	Lab ID: 92135830005	Collected: 10/18/12 13:00	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:27	7440-38-2	
Barium	51.5 ug/L		5.0	1	10/20/12 12:50	10/22/12 19:27	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:27	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:27	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:27	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:27	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:27	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:43	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:03	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	42 %		21-110	1	10/21/12 16:30	10/23/12 17:03	4165-60-0	
2-Fluorobiphenyl (S)	44 %		27-110	1	10/21/12 16:30	10/23/12 17:03	321-60-8	
Terphenyl-d14 (S)	71 %		31-107	1	10/21/12 16:30	10/23/12 17:03	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 22:56	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 22:56	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 22:56	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 22:56	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 22:56	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 22:56	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 22:56	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 22:56	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 22:56	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-3	Lab ID: 92135830005	Collected: 10/18/12 13:00	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND ug/L		1.0	1		10/25/12 22:56	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 22:56	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 22:56	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 22:56	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 22:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 22:56	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 22:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 22:56	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 22:56	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 22:56	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 22:56	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 22:56	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 22:56	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 22:56	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 22:56	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 22:56	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 22:56	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 22:56	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 22:56	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 22:56	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 22:56	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 22:56	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 22:56	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 22:56	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 22:56	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 22:56	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 22:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 22:56	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 22:56	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 22:56	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 22:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 22:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 22:56	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 22:56	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 22:56	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 22:56	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 22:56	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 22:56	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 22:56	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 22:56	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 22:56	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 22:56	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 22:56	75-01-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-3		Lab ID: 92135830005		Collected: 10/18/12 13:00	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		2.0	1		10/25/12 22:56	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 22:56	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 22:56	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96 %		70-130	1		10/25/12 22:56	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 22:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		10/25/12 22:56	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 22:56	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-1	Lab ID: 92135830006	Collected: 10/18/12 16:00	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:30	7440-38-2	
Barium	85.9 ug/L		5.0	1	10/20/12 12:50	10/22/12 19:30	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:30	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:30	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:30	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:30	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:30	7440-22-4	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:46	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 17:35	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	50 %		21-110	1	10/21/12 16:30	10/23/12 17:35	4165-60-0	
2-Fluorobiphenyl (S)	50 %		27-110	1	10/21/12 16:30	10/23/12 17:35	321-60-8	
Terphenyl-d14 (S)	74 %		31-107	1	10/21/12 16:30	10/23/12 17:35	1718-51-0	
8260 MSV Low Level Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 23:14	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 23:14	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 23:14	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 23:14	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 23:14	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 23:14	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 23:14	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 23:14	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 23:14	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-1	Lab ID: 92135830006	Collected: 10/18/12 16:00	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND ug/L		1.0	1		10/25/12 23:14	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 23:14	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 23:14	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 23:14	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 23:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 23:14	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 23:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 23:14	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 23:14	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 23:14	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 23:14	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 23:14	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:14	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:14	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:14	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:14	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:14	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:14	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:14	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 23:14	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 23:14	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 23:14	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 23:14	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 23:14	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 23:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 23:14	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 23:14	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 23:14	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 23:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 23:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 23:14	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 23:14	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 23:14	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 23:14	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 23:14	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 23:14	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 23:14	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 23:14	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 23:14	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 23:14	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 23:14	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Sample: MW-1		Lab ID: 92135830006		Collected: 10/18/12 16:00	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		2.0	1		10/25/12 23:14	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 23:14	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 23:14	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96 %		70-130	1		10/25/12 23:14	460-00-4	
Dibromofluoromethane (S)	108 %		70-130	1		10/25/12 23:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		10/25/12 23:14	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 23:14	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-4	Lab ID: 92135830007	Collected: 10/18/12 17:30	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:33	7440-38-2	
Barium	70.3 ug/L		5.0	1	10/20/12 12:50	10/22/12 19:33	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:33	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:33	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:33	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:33	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:33	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:49	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:07	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	46 %		21-110	1	10/21/12 16:30	10/23/12 18:07	4165-60-0	
2-Fluorobiphenyl (S)	47 %		27-110	1	10/21/12 16:30	10/23/12 18:07	321-60-8	
Terphenyl-d14 (S)	80 %		31-107	1	10/21/12 16:30	10/23/12 18:07	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 23:33	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 23:33	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 23:33	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 23:33	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 23:33	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 23:33	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 23:33	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 23:33	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 23:33	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-4	Lab ID: 92135830007	Collected: 10/18/12 17:30	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND ug/L		1.0	1		10/25/12 23:33	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 23:33	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 23:33	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 23:33	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 23:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 23:33	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 23:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 23:33	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 23:33	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 23:33	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 23:33	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 23:33	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 23:33	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:33	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:33	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 23:33	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 23:33	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 23:33	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 23:33	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 23:33	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 23:33	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 23:33	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 23:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 23:33	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 23:33	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 23:33	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 23:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 23:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 23:33	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 23:33	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 23:33	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 23:33	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 23:33	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 23:33	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 23:33	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 23:33	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 23:33	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 23:33	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 23:33	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Sample: MW-4		Lab ID: 92135830007		Collected: 10/18/12 17:30	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		2.0	1		10/25/12 23:33	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 23:33	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 23:33	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94 %		70-130	1		10/25/12 23:33	460-00-4	
Dibromofluoromethane (S)	109 %		70-130	1		10/25/12 23:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		10/25/12 23:33	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		10/25/12 23:33	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: MW-100	Lab ID: 92135830008	Collected: 10/18/12 17:45	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:36	7440-38-2	
Barium	85.3 ug/L		5.0	1	10/20/12 12:50	10/22/12 19:36	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:36	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:36	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:36	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:36	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:36	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:51	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 18:39	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	36 %		21-110	1	10/21/12 16:30	10/23/12 18:39	4165-60-0	
2-Fluorobiphenyl (S)	37 %		27-110	1	10/21/12 16:30	10/23/12 18:39	321-60-8	
Terphenyl-d14 (S)	64 %		31-107	1	10/21/12 16:30	10/23/12 18:39	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 02:54	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 02:54	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 02:54	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 02:54	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 02:54	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 02:54	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 02:54	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 02:54	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 02:54	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

Sample: MW-100	Lab ID: 92135830008	Collected: 10/18/12 17:45	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND ug/L		1.0	1		10/25/12 02:54	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 02:54	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 02:54	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 02:54	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 02:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 02:54	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 02:54	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 02:54	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 02:54	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 02:54	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 02:54	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 02:54	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 02:54	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 02:54	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 02:54	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 02:54	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 02:54	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 02:54	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 02:54	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 02:54	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 02:54	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 02:54	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 02:54	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 02:54	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 02:54	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 02:54	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 02:54	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 02:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 02:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 02:54	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 02:54	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 02:54	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 02:54	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 02:54	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 02:54	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 02:54	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 02:54	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 02:54	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 02:54	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 02:54	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Sample: MW-100		Lab ID: 92135830008		Collected: 10/18/12 17:45	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
m&p-Xylene	ND ug/L		2.0	1		10/25/12 02:54	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 02:54	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/25/12 02:54	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 02:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	113 %		70-130	1		10/25/12 02:54	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 02:54	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: EB101812-1	Lab ID: 92135830009	Collected: 10/18/12 18:00	Received: 10/19/12 08:25	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	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:39	7440-38-2	
Barium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:39	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:39	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:39	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:39	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:39	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:39	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 13:10	10/26/12 17:54	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:11	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	80 %		21-110	1	10/21/12 16:30	10/23/12 19:11	4165-60-0	
2-Fluorobiphenyl (S)	84 %		27-110	1	10/21/12 16:30	10/23/12 19:11	321-60-8	
Terphenyl-d14 (S)	85 %		31-107	1	10/21/12 16:30	10/23/12 19:11	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 03:13	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 03:13	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 03:13	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 03:13	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 03:13	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 03:13	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 03:13	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 03:13	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 03:13	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 03:13	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: EB101812-1	Lab ID: 92135830009	Collected: 10/18/12 18:00	Received: 10/19/12 08:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Chloroethane	ND	ug/L	1.0	1		10/25/12 03:13	75-00-3	
Chloroform	1.1	ug/L	1.0	1		10/25/12 03:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/25/12 03:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 03:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 03:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/25/12 03:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/25/12 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/25/12 03:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/25/12 03:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 03:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 03:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 03:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/25/12 03:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/25/12 03:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/25/12 03:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/25/12 03:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 03:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 03:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 03:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/25/12 03:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 03:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/25/12 03:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 03:13	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		10/25/12 03:13	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		10/25/12 03:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/25/12 03:13	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		10/25/12 03:13	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/25/12 03:13	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		10/25/12 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/25/12 03:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/25/12 03:13	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/25/12 03:13	91-20-3	
Styrene	ND	ug/L	1.0	1		10/25/12 03:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 03:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 03:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/25/12 03:13	127-18-4	
Toluene	ND	ug/L	1.0	1		10/25/12 03:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 03:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 03:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/25/12 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/25/12 03:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/25/12 03:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/25/12 03:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/25/12 03:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		10/25/12 03:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/25/12 03:13	75-01-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Sample: EB101812-1		Lab ID: 92135830009		Collected: 10/18/12 18:00	Received: 10/19/12 08:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
m&p-Xylene	ND ug/L		2.0	1		10/25/12 03:13	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 03:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/25/12 03:13	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 03:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		10/25/12 03:13	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		10/25/12 03:13	2037-26-5	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

QC Batch: MERP/4620 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

METHOD BLANK: 860228 Matrix: Water
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/26/12 17:01	

LABORATORY CONTROL SAMPLE: 860229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.7	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 860230 860231

Parameter	Units	92135629004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	98	100	75-125	2	25	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

QC Batch: MERP/4616 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92135830002

METHOD BLANK: 859191 Matrix: Solid
Associated Lab Samples: 92135830002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	10/25/12 14:26	

LABORATORY CONTROL SAMPLE: 859192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.061	91	80-120	

MATRIX SPIKE SAMPLE: 859193

Parameter	Units	92136018001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.0093	.052	0.024	29	75-125	M1

SAMPLE DUPLICATE: 859194

Parameter	Units	92136021001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	ND	ND		20	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

QC Batch: MPRP/11796 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92135830002

METHOD BLANK: 858666 Matrix: Solid
Associated Lab Samples: 92135830002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	10/25/12 01:00	
Barium	mg/kg	ND	0.50	10/25/12 01:00	
Cadmium	mg/kg	ND	0.10	10/25/12 01:00	
Chromium	mg/kg	ND	0.50	10/25/12 01:00	
Lead	mg/kg	ND	0.50	10/25/12 01:00	
Selenium	mg/kg	ND	1.0	10/25/12 01:00	
Silver	mg/kg	ND	0.50	10/25/12 01:00	

LABORATORY CONTROL SAMPLE: 858667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.9	102	80-120	
Barium	mg/kg	50	47.1	94	80-120	
Cadmium	mg/kg	50	53.7	107	80-120	
Chromium	mg/kg	50	53.6	107	80-120	
Lead	mg/kg	50	51.1	102	80-120	
Selenium	mg/kg	50	50.8	102	80-120	
Silver	mg/kg	25	25.0	100	80-120	

MATRIX SPIKE SAMPLE: 858668

Parameter	Units	92135451004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	ND	43.9	51.8	118	75-125	
Barium	mg/kg	ND	43.9	40.2	91	75-125	
Cadmium	mg/kg	ND	43.9	41.8	95	75-125	
Chromium	mg/kg	0.47	43.9	44.6	101	75-125	
Lead	mg/kg	ND	43.9	39.0	88	75-125	
Selenium	mg/kg	ND	43.9	46.5	106	75-125	
Silver	mg/kg	ND	21.9	26.4	120	75-125	

SAMPLE DUPLICATE: 858669

Parameter	Units	92135451005 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	ND	ND		20	
Barium	mg/kg	ND	.19J		20	
Cadmium	mg/kg	2.6	3.7	33	20	D6
Chromium	mg/kg	ND	0.42		20	
Lead	mg/kg	ND	ND		20	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

SAMPLE DUPLICATE: 858669

Parameter	Units	92135451005 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/kg	ND	ND		20	
Silver	mg/kg	ND	ND		20	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

QC Batch: MPRP/11784 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

METHOD BLANK: 857137 Matrix: Water
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	10/22/12 18:12	
Barium	ug/L	ND	5.0	10/22/12 18:12	
Cadmium	ug/L	ND	1.0	10/22/12 18:12	
Chromium	ug/L	ND	5.0	10/22/12 18:12	
Lead	ug/L	ND	5.0	10/22/12 18:12	
Selenium	ug/L	ND	10.0	10/22/12 18:12	
Silver	ug/L	ND	5.0	10/22/12 18:12	

LABORATORY CONTROL SAMPLE: 857138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	472	94	80-120	
Barium	ug/L	500	480	96	80-120	
Cadmium	ug/L	500	491	98	80-120	
Chromium	ug/L	500	491	98	80-120	
Lead	ug/L	500	483	97	80-120	
Selenium	ug/L	500	478	96	80-120	
Silver	ug/L	250	242	97	80-120	

MATRIX SPIKE SAMPLE: 857139

Parameter	Units	92135845001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	480	96	75-125	
Barium	ug/L	135	500	606	94	75-125	
Cadmium	ug/L	ND	500	481	96	75-125	
Chromium	ug/L	ND	500	490	98	75-125	
Lead	ug/L	ND	500	466	93	75-125	
Selenium	ug/L	ND	500	433	87	75-125	
Silver	ug/L	ND	250	241	96	75-125	

SAMPLE DUPLICATE: 857140

Parameter	Units	92135845002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	1660	1670	1	20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	ND		20	
Lead	ug/L	ND	ND		20	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

SAMPLE DUPLICATE: 857140

Parameter	Units	92135845002 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	ND		20	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

QC Batch: MSV/20824

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92135830003, 92135830004

METHOD BLANK: 858837

Matrix: Water

Associated Lab Samples: 92135830003, 92135830004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,1-Dichloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,1-Dichloroethene	ug/L	ND	1.0	10/24/12 17:42	
1,1-Dichloropropene	ug/L	ND	1.0	10/24/12 17:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/24/12 17:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/24/12 17:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/24/12 17:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/12 17:42	
1,2-Dichloropropane	ug/L	ND	1.0	10/24/12 17:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
1,3-Dichloropropane	ug/L	ND	1.0	10/24/12 17:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
2,2-Dichloropropane	ug/L	ND	1.0	10/24/12 17:42	
2-Butanone (MEK)	ug/L	ND	5.0	10/24/12 17:42	
2-Chlorotoluene	ug/L	ND	1.0	10/24/12 17:42	
2-Hexanone	ug/L	ND	5.0	10/24/12 17:42	
4-Chlorotoluene	ug/L	ND	1.0	10/24/12 17:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/24/12 17:42	
Acetone	ug/L	ND	25.0	10/24/12 17:42	
Benzene	ug/L	ND	1.0	10/24/12 17:42	
Bromobenzene	ug/L	ND	1.0	10/24/12 17:42	
Bromochloromethane	ug/L	ND	1.0	10/24/12 17:42	
Bromodichloromethane	ug/L	ND	1.0	10/24/12 17:42	
Bromoform	ug/L	ND	1.0	10/24/12 17:42	
Bromomethane	ug/L	ND	2.0	10/24/12 17:42	
Carbon tetrachloride	ug/L	ND	1.0	10/24/12 17:42	
Chlorobenzene	ug/L	ND	1.0	10/24/12 17:42	
Chloroethane	ug/L	ND	1.0	10/24/12 17:42	
Chloroform	ug/L	ND	1.0	10/24/12 17:42	
Chloromethane	ug/L	ND	1.0	10/24/12 17:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/12 17:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/24/12 17:42	
Dibromochloromethane	ug/L	ND	1.0	10/24/12 17:42	
Dibromomethane	ug/L	ND	1.0	10/24/12 17:42	
Dichlorodifluoromethane	ug/L	ND	1.0	10/24/12 17:42	
Diisopropyl ether	ug/L	ND	1.0	10/24/12 17:42	
Ethylbenzene	ug/L	ND	1.0	10/24/12 17:42	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

METHOD BLANK: 858837

Matrix: Water

Associated Lab Samples: 92135830003, 92135830004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/24/12 17:42	
m&p-Xylene	ug/L	ND	2.0	10/24/12 17:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/24/12 17:42	
Methylene Chloride	ug/L	ND	2.0	10/24/12 17:42	
Naphthalene	ug/L	ND	1.0	10/24/12 17:42	
o-Xylene	ug/L	ND	1.0	10/24/12 17:42	
p-Isopropyltoluene	ug/L	ND	1.0	10/24/12 17:42	
Styrene	ug/L	ND	1.0	10/24/12 17:42	
Tetrachloroethene	ug/L	ND	1.0	10/24/12 17:42	
Toluene	ug/L	ND	1.0	10/24/12 17:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/12 17:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/24/12 17:42	
Trichloroethene	ug/L	ND	1.0	10/24/12 17:42	
Trichlorofluoromethane	ug/L	ND	1.0	10/24/12 17:42	
Vinyl acetate	ug/L	ND	2.0	10/24/12 17:42	
Vinyl chloride	ug/L	ND	1.0	10/24/12 17:42	
1,2-Dichloroethane-d4 (S)	%	106	70-130	10/24/12 17:42	
4-Bromofluorobenzene (S)	%	99	70-130	10/24/12 17:42	
Dibromofluoromethane (S)	%	103	70-130	10/24/12 17:42	
Toluene-d8 (S)	%	101	70-130	10/24/12 17:42	

LABORATORY CONTROL SAMPLE: 858838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,1-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.7	89	70-130	
1,1,2-Trichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethane	ug/L	50	44.7	89	70-130	
1,1-Dichloroethene	ug/L	50	42.8	86	70-132	
1,1-Dichloropropene	ug/L	50	42.8	86	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.0	104	70-135	
1,2,3-Trichloropropane	ug/L	50	45.8	92	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.5	107	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	47.9	96	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	47.9	96	70-130	
1,2-Dichloroethane	ug/L	50	43.2	86	70-130	
1,2-Dichloropropane	ug/L	50	44.1	88	70-130	
1,3-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,3-Dichloropropane	ug/L	50	46.7	93	70-130	
1,4-Dichlorobenzene	ug/L	50	45.0	90	70-130	
2,2-Dichloropropane	ug/L	50	45.5	91	58-145	
2-Butanone (MEK)	ug/L	100	94.6	95	70-145	
2-Chlorotoluene	ug/L	50	47.3	95	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 858838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	105	105	70-144	
4-Chlorotoluene	ug/L	50	47.0	94	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	85.5	86	50-175	
Benzene	ug/L	50	44.6	89	70-130	
Bromobenzene	ug/L	50	45.9	92	70-130	
Bromochloromethane	ug/L	50	44.7	89	70-130	
Bromodichloromethane	ug/L	50	44.5	89	70-130	
Bromoform	ug/L	50	38.6	77	70-130	
Bromomethane	ug/L	50	43.1	86	54-130	
Carbon tetrachloride	ug/L	50	42.2	84	70-132	
Chlorobenzene	ug/L	50	45.0	90	70-130	
Chloroethane	ug/L	50	43.2	86	64-134	
Chloroform	ug/L	50	45.0	90	70-130	
Chloromethane	ug/L	50	44.8	90	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	43.6	87	70-130	
Dibromomethane	ug/L	50	46.9	94	70-131	
Dichlorodifluoromethane	ug/L	50	50.5	101	56-130	
Diisopropyl ether	ug/L	50	47.1	94	70-130	
Ethylbenzene	ug/L	50	46.5	93	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.7	95	70-130	
m&p-Xylene	ug/L	100	96.7	97	70-130	
Methyl-tert-butyl ether	ug/L	50	47.7	95	70-130	
Methylene Chloride	ug/L	50	42.3	85	63-130	
Naphthalene	ug/L	50	55.4	111	70-138	
o-Xylene	ug/L	50	49.6	99	70-130	
p-Isopropyltoluene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	47.9	96	70-130	
Tetrachloroethene	ug/L	50	45.9	92	70-130	
Toluene	ug/L	50	44.9	90	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.8	82	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	70-132	
Trichloroethene	ug/L	50	45.2	90	70-130	
Trichlorofluoromethane	ug/L	50	48.0	96	62-133	
Vinyl acetate	ug/L	100	101	101	66-157	
Vinyl chloride	ug/L	50	42.2	84	69-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			101	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858839 858840											
Parameter	Units	92135845002 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1-Dichloroethene	ug/L	ND	50	50	38.6	44.6	77	89	70-166	14	30
Benzene	ug/L	ND	50	50	34.9	41.9	70	84	70-148	18	30
Chlorobenzene	ug/L	ND	50	50	41.7	50.2	83	100	70-146	18	30
Toluene	ug/L	ND	50	50	41.4	49.8	83	100	70-155	18	30
Trichloroethene	ug/L	ND	50	50	41.4	50.1	83	100	69-151	19	30
1,2-Dichloroethane-d4 (S)	%						98	97	70-130		
4-Bromofluorobenzene (S)	%						97	99	70-130		
Dibromofluoromethane (S)	%						98	98	70-130		
Toluene-d8 (S)	%						98	97	70-130		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858846 858847											
Parameter	Units	92135665001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	49.6	49.9	99	100	70-130	0	30
1,1,1-Trichloroethane	ug/L	ND	50	50	53.0	53.9	106	108	70-130	2	30
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.0	45.7	92	91	70-130	1	30
1,1,2-Trichloroethane	ug/L	ND	50	50	49.2	50.2	98	100	70-130	2	30
1,1-Dichloroethane	ug/L	ND	50	50	49.7	50.8	99	102	70-130	2	30
1,1-Dichloroethene	ug/L	ND	50	50	50.1	52.1	100	104	70-166	4	30
1,1-Dichloropropene	ug/L	ND	50	50	49.0	52.2	98	104	70-130	6	30
1,2,3-Trichlorobenzene	ug/L	ND	50	50	52.9	54.1	106	108	70-130	2	30
1,2,3-Trichloropropane	ug/L	ND	50	50	47.4	47.8	95	96	70-130	1	30
1,2,4-Trichlorobenzene	ug/L	ND	50	50	55.9	57.2	112	114	70-130	2	30
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	47.9	52.1	96	104	70-130	8	30
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.5	53.1	105	106	70-130	1	30
1,2-Dichlorobenzene	ug/L	ND	50	50	50.4	51.8	101	104	70-130	3	30
1,2-Dichloroethane	ug/L	ND	50	50	44.9	46.3	90	93	70-130	3	30
1,2-Dichloropropane	ug/L	ND	50	50	47.9	48.6	96	97	70-130	1	30
1,3-Dichlorobenzene	ug/L	ND	50	50	49.8	51.3	100	103	70-130	3	30
1,3-Dichloropropane	ug/L	ND	50	50	49.1	49.6	98	99	70-130	1	30
1,4-Dichlorobenzene	ug/L	ND	50	50	47.7	49.0	95	98	70-130	3	30
2,2-Dichloropropane	ug/L	ND	50	50	52.4	53.2	105	106	70-130	2	30
2-Butanone (MEK)	ug/L	ND	100	100	95.7	95.2	96	95	70-130	1	30
2-Chlorotoluene	ug/L	ND	50	50	51.7	52.4	103	105	70-130	1	30
2-Hexanone	ug/L	ND	100	100	104	105	104	105	70-130	0	30
4-Chlorotoluene	ug/L	ND	50	50	51.4	52.4	103	105	70-130	2	30
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	104	103	104	103	70-130	1	30
Acetone	ug/L	ND	100	100	82.1	82.5	82	83	70-130	1	30
Benzene	ug/L	ND	50	50	49.1	49.4	98	99	70-148	0	30
Bromobenzene	ug/L	ND	50	50	49.7	50.4	99	101	70-130	1	30
Bromochloromethane	ug/L	ND	50	50	47.6	48.8	95	98	70-130	2	30
Bromodichloromethane	ug/L	ND	50	50	47.9	49.1	96	98	70-130	3	30
Bromoform	ug/L	ND	50	50	43.4	49.4	87	99	70-130	13	30
Bromomethane	ug/L	ND	50	50	48.6	52.0	97	104	70-130	7	30
Carbon tetrachloride	ug/L	ND	50	50	49.0	48.9	98	98	70-130	0	30

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 858846		858847									
	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/L	ND	50	50	49.6	50.6	99	101	70-146	2	30	
Chloroethane	ug/L	ND	50	50	48.9	51.3	98	103	70-130	5	30	
Chloroform	ug/L	ND	50	50	50.0	50.6	100	101	70-130	1	30	
Chloromethane	ug/L	ND	50	50	52.8	57.7	106	115	70-130	9	30	
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.7	54.1	103	108	70-130	5	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	49.8	50.4	100	101	70-130	1	30	
Dibromochloromethane	ug/L	ND	50	50	47.2	51.3	94	103	70-130	8	30	
Dibromomethane	ug/L	ND	50	50	49.1	48.6	98	97	70-130	1	30	
Dichlorodifluoromethane	ug/L	ND	50	50	57.6	59.4	115	119	70-130	3	30	
Diisopropyl ether	ug/L	ND	50	50	50.9	52.1	102	104	70-130	2	30	
Ethylbenzene	ug/L	ND	50	50	52.3	53.5	105	107	70-130	2	30	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	53.4	56.1	107	112	70-130	5	30	
m&p-Xylene	ug/L	ND	100	100	108	111	108	111	70-130	3	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	49.4	50.7	99	101	70-130	3	30	
Methylene Chloride	ug/L	ND	50	50	45.1	47.0	90	94	70-130	4	30	
Naphthalene	ug/L	ND	50	50	54.9	55.8	110	112	70-130	2	30	
o-Xylene	ug/L	ND	50	50	55.1	56.8	110	114	70-130	3	30	
p-Isopropyltoluene	ug/L	ND	50	50	55.9	57.8	112	116	70-130	3	30	
Styrene	ug/L	ND	50	50	51.3	53.2	103	106	70-130	4	30	
Tetrachloroethene	ug/L	ND	50	50	53.3	54.8	107	110	70-130	3	30	
Toluene	ug/L	ND	50	50	50.9	51.3	102	103	70-155	1	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	46.3	47.7	93	95	70-130	3	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	53.2	54.5	106	109	70-130	2	30	
Trichloroethene	ug/L	ND	50	50	50.8	50.5	102	101	69-151	1	30	
Trichlorofluoromethane	ug/L	ND	50	50	54.8	56.2	110	112	70-130	3	30	
Vinyl acetate	ug/L	ND	100	100	96.6	99.5	97	100	70-130	3	30	
Vinyl chloride	ug/L	ND	50	50	49.5	51.8	99	104	70-130	5	30	
1,2-Dichloroethane-d4 (S)	%						95	96	70-130			
4-Bromofluorobenzene (S)	%						103	102	70-130			
Dibromofluoromethane (S)	%						98	99	70-130			
Toluene-d8 (S)	%						100	100	70-130			

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

QC Batch: MSV/20825

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92135830008, 92135830009

METHOD BLANK: 858844

Matrix: Water

Associated Lab Samples: 92135830008, 92135830009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,1-Dichloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,1-Dichloroethene	ug/L	ND	1.0	10/24/12 18:00	
1,1-Dichloropropene	ug/L	ND	1.0	10/24/12 18:00	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/24/12 18:00	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/24/12 18:00	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/24/12 18:00	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
1,2-Dichloroethane	ug/L	ND	1.0	10/24/12 18:00	
1,2-Dichloropropane	ug/L	ND	1.0	10/24/12 18:00	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
1,3-Dichloropropane	ug/L	ND	1.0	10/24/12 18:00	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
2,2-Dichloropropane	ug/L	ND	1.0	10/24/12 18:00	
2-Butanone (MEK)	ug/L	ND	5.0	10/24/12 18:00	
2-Chlorotoluene	ug/L	ND	1.0	10/24/12 18:00	
2-Hexanone	ug/L	ND	5.0	10/24/12 18:00	
4-Chlorotoluene	ug/L	ND	1.0	10/24/12 18:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/24/12 18:00	
Acetone	ug/L	ND	25.0	10/24/12 18:00	
Benzene	ug/L	ND	1.0	10/24/12 18:00	
Bromobenzene	ug/L	ND	1.0	10/24/12 18:00	
Bromochloromethane	ug/L	ND	1.0	10/24/12 18:00	
Bromodichloromethane	ug/L	ND	1.0	10/24/12 18:00	
Bromoform	ug/L	ND	1.0	10/24/12 18:00	
Bromomethane	ug/L	ND	2.0	10/24/12 18:00	
Carbon tetrachloride	ug/L	ND	1.0	10/24/12 18:00	
Chlorobenzene	ug/L	ND	1.0	10/24/12 18:00	
Chloroethane	ug/L	ND	1.0	10/24/12 18:00	
Chloroform	ug/L	ND	1.0	10/24/12 18:00	
Chloromethane	ug/L	ND	1.0	10/24/12 18:00	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/24/12 18:00	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/24/12 18:00	
Dibromochloromethane	ug/L	ND	1.0	10/24/12 18:00	
Dibromomethane	ug/L	ND	1.0	10/24/12 18:00	
Dichlorodifluoromethane	ug/L	ND	1.0	10/24/12 18:00	
Diisopropyl ether	ug/L	ND	1.0	10/24/12 18:00	
Ethylbenzene	ug/L	ND	1.0	10/24/12 18:00	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

METHOD BLANK: 858844

Matrix: Water

Associated Lab Samples: 92135830008, 92135830009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/24/12 18:00	
m&p-Xylene	ug/L	ND	2.0	10/24/12 18:00	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/24/12 18:00	
Methylene Chloride	ug/L	ND	2.0	10/24/12 18:00	
Naphthalene	ug/L	ND	1.0	10/24/12 18:00	
o-Xylene	ug/L	ND	1.0	10/24/12 18:00	
p-Isopropyltoluene	ug/L	ND	1.0	10/24/12 18:00	
Styrene	ug/L	ND	1.0	10/24/12 18:00	
Tetrachloroethene	ug/L	ND	1.0	10/24/12 18:00	
Toluene	ug/L	ND	1.0	10/24/12 18:00	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/24/12 18:00	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/24/12 18:00	
Trichloroethene	ug/L	ND	1.0	10/24/12 18:00	
Trichlorofluoromethane	ug/L	ND	1.0	10/24/12 18:00	
Vinyl acetate	ug/L	ND	2.0	10/24/12 18:00	
Vinyl chloride	ug/L	ND	1.0	10/24/12 18:00	
1,2-Dichloroethane-d4 (S)	%	106	70-130	10/24/12 18:00	
4-Bromofluorobenzene (S)	%	98	70-130	10/24/12 18:00	
Dibromofluoromethane (S)	%	103	70-130	10/24/12 18:00	
Toluene-d8 (S)	%	100	70-130	10/24/12 18:00	

LABORATORY CONTROL SAMPLE: 858845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.1	98	70-130	
1,1,1-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	70-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethene	ug/L	50	48.0	96	70-132	
1,1-Dichloropropene	ug/L	50	47.8	96	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.8	110	70-135	
1,2,3-Trichloropropane	ug/L	50	47.8	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	58.6	117	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	50.3	101	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	45.8	92	70-130	
1,2-Dichloropropane	ug/L	50	47.9	96	70-130	
1,3-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,3-Dichloropropane	ug/L	50	49.2	98	70-130	
1,4-Dichlorobenzene	ug/L	50	48.0	96	70-130	
2,2-Dichloropropane	ug/L	50	49.9	100	58-145	
2-Butanone (MEK)	ug/L	100	100	100	70-145	
2-Chlorotoluene	ug/L	50	51.2	102	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 858845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	111	111	70-144	
4-Chlorotoluene	ug/L	50	51.4	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	70-140	
Acetone	ug/L	100	89.1	89	50-175	
Benzene	ug/L	50	48.6	97	70-130	
Bromobenzene	ug/L	50	49.5	99	70-130	
Bromochloromethane	ug/L	50	47.8	96	70-130	
Bromodichloromethane	ug/L	50	47.4	95	70-130	
Bromoform	ug/L	50	40.7	81	70-130	
Bromomethane	ug/L	50	48.4	97	54-130	
Carbon tetrachloride	ug/L	50	47.1	94	70-132	
Chlorobenzene	ug/L	50	48.7	97	70-130	
Chloroethane	ug/L	50	48.3	97	64-134	
Chloroform	ug/L	50	49.0	98	70-130	
Chloromethane	ug/L	50	52.0	104	64-130	
cis-1,2-Dichloroethene	ug/L	50	51.0	102	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.6	103	70-130	
Dibromochloromethane	ug/L	50	46.9	94	70-130	
Dibromomethane	ug/L	50	49.7	99	70-131	
Dichlorodifluoromethane	ug/L	50	55.6	111	56-130	
Diisopropyl ether	ug/L	50	48.6	97	70-130	
Ethylbenzene	ug/L	50	51.1	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.2	106	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	49.7	99	70-130	
Methylene Chloride	ug/L	50	45.0	90	63-130	
Naphthalene	ug/L	50	59.2	118	70-138	
o-Xylene	ug/L	50	54.0	108	70-130	
p-Isopropyltoluene	ug/L	50	55.0	110	70-130	
Styrene	ug/L	50	51.8	104	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	49.6	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.6	89	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.0	108	70-132	
Trichloroethene	ug/L	50	49.1	98	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	62-133	
Vinyl acetate	ug/L	100	104	104	66-157	
Vinyl chloride	ug/L	50	48.1	96	69-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			101	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

QC Batch: MSV/20833 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92135830005, 92135830006, 92135830007

METHOD BLANK: 859651 Matrix: Water

Associated Lab Samples: 92135830005, 92135830006, 92135830007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,1-Dichloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,1-Dichloroethene	ug/L	ND	1.0	10/25/12 21:43	
1,1-Dichloropropene	ug/L	ND	1.0	10/25/12 21:43	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/25/12 21:43	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/25/12 21:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/25/12 21:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
1,2-Dichloroethane	ug/L	ND	1.0	10/25/12 21:43	
1,2-Dichloropropane	ug/L	ND	1.0	10/25/12 21:43	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
1,3-Dichloropropane	ug/L	ND	1.0	10/25/12 21:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
2,2-Dichloropropane	ug/L	ND	1.0	10/25/12 21:43	
2-Butanone (MEK)	ug/L	ND	5.0	10/25/12 21:43	
2-Chlorotoluene	ug/L	ND	1.0	10/25/12 21:43	
2-Hexanone	ug/L	ND	5.0	10/25/12 21:43	
4-Chlorotoluene	ug/L	ND	1.0	10/25/12 21:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/25/12 21:43	
Acetone	ug/L	ND	25.0	10/25/12 21:43	
Benzene	ug/L	ND	1.0	10/25/12 21:43	
Bromobenzene	ug/L	ND	1.0	10/25/12 21:43	
Bromochloromethane	ug/L	ND	1.0	10/25/12 21:43	
Bromodichloromethane	ug/L	ND	1.0	10/25/12 21:43	
Bromoform	ug/L	ND	1.0	10/25/12 21:43	
Bromomethane	ug/L	ND	2.0	10/25/12 21:43	
Carbon tetrachloride	ug/L	ND	1.0	10/25/12 21:43	
Chlorobenzene	ug/L	ND	1.0	10/25/12 21:43	
Chloroethane	ug/L	ND	1.0	10/25/12 21:43	
Chloroform	ug/L	ND	1.0	10/25/12 21:43	
Chloromethane	ug/L	ND	1.0	10/25/12 21:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/25/12 21:43	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/25/12 21:43	
Dibromochloromethane	ug/L	ND	1.0	10/25/12 21:43	
Dibromomethane	ug/L	ND	1.0	10/25/12 21:43	
Dichlorodifluoromethane	ug/L	ND	1.0	10/25/12 21:43	
Diisopropyl ether	ug/L	ND	1.0	10/25/12 21:43	
Ethylbenzene	ug/L	ND	1.0	10/25/12 21:43	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

METHOD BLANK: 859651

Matrix: Water

Associated Lab Samples: 92135830005, 92135830006, 92135830007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/25/12 21:43	
m&p-Xylene	ug/L	ND	2.0	10/25/12 21:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/25/12 21:43	
Methylene Chloride	ug/L	ND	2.0	10/25/12 21:43	
Naphthalene	ug/L	ND	1.0	10/25/12 21:43	
o-Xylene	ug/L	ND	1.0	10/25/12 21:43	
p-Isopropyltoluene	ug/L	ND	1.0	10/25/12 21:43	
Styrene	ug/L	ND	1.0	10/25/12 21:43	
Tetrachloroethene	ug/L	ND	1.0	10/25/12 21:43	
Toluene	ug/L	ND	1.0	10/25/12 21:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/25/12 21:43	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/25/12 21:43	
Trichloroethene	ug/L	ND	1.0	10/25/12 21:43	
Trichlorofluoromethane	ug/L	ND	1.0	10/25/12 21:43	
Vinyl acetate	ug/L	ND	2.0	10/25/12 21:43	
Vinyl chloride	ug/L	ND	1.0	10/25/12 21:43	
Xylene (Total)	ug/L	ND	2.0	10/25/12 21:43	
1,2-Dichloroethane-d4 (S)	%	105	70-130	10/25/12 21:43	
4-Bromofluorobenzene (S)	%	96	70-130	10/25/12 21:43	
Dibromofluoromethane (S)	%	106	70-130	10/25/12 21:43	
Toluene-d8 (S)	%	99	70-130	10/25/12 21:43	

LABORATORY CONTROL SAMPLE: 859652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.1	94	70-130	
1,1,1-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.7	91	70-130	
1,1,2-Trichloroethane	ug/L	50	46.7	93	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethene	ug/L	50	53.0	106	70-132	
1,1-Dichloropropene	ug/L	50	49.7	99	70-130	
1,2,3-Trichlorobenzene	ug/L	50	55.0	110	70-135	
1,2,3-Trichloropropane	ug/L	50	45.2	90	70-130	
1,2,4-Trichlorobenzene	ug/L	50	58.1	116	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.5	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.9	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,2-Dichloroethane	ug/L	50	46.6	93	70-130	
1,2-Dichloropropane	ug/L	50	47.7	95	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	47.9	96	70-130	
2,2-Dichloropropane	ug/L	50	52.1	104	58-145	
2-Butanone (MEK)	ug/L	100	102	102	70-145	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 859652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Chlorotoluene	ug/L	50	51.7	103	70-130	
2-Hexanone	ug/L	100	103	103	70-144	
4-Chlorotoluene	ug/L	50	51.0	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	107	70-140	
Acetone	ug/L	100	94.9	95	50-175	
Benzene	ug/L	50	48.8	98	70-130	
Bromobenzene	ug/L	50	50.0	100	70-130	
Bromochloromethane	ug/L	50	49.5	99	70-130	
Bromodichloromethane	ug/L	50	48.8	98	70-130	
Bromoform	ug/L	50	53.3	107	70-130	
Bromomethane	ug/L	50	50.0	100	54-130	
Carbon tetrachloride	ug/L	50	47.1	94	70-132	
Chlorobenzene	ug/L	50	48.6	97	70-130	
Chloroethane	ug/L	50	56.4	113	64-134	
Chloroform	ug/L	50	51.2	102	70-130	
Chloromethane	ug/L	50	57.1	114	64-130	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	70-131	
cis-1,3-Dichloropropene	ug/L	50	51.3	103	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dibromomethane	ug/L	50	47.4	95	70-131	
Dichlorodifluoromethane	ug/L	50	57.2	114	56-130	
Diisopropyl ether	ug/L	50	44.9	90	70-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.1	106	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	53.0	106	70-130	
Methylene Chloride	ug/L	50	50.9	102	63-130	
Naphthalene	ug/L	50	56.9	114	70-138	
o-Xylene	ug/L	50	53.8	108	70-130	
p-Isopropyltoluene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	50.9	102	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	48.7	97	70-130	
trans-1,2-Dichloroethene	ug/L	50	50.8	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.4	107	70-132	
Trichloroethene	ug/L	50	48.6	97	70-130	
Trichlorofluoromethane	ug/L	50	52.3	105	62-133	
Vinyl acetate	ug/L	100	116	116	66-157	
Vinyl chloride	ug/L	50	52.2	104	69-130	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 859653		859654									
	Units	92135605008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	0.81J	50	50	53.2	27.3	105	53	70-166	64	30	D6,M1
Benzene	ug/L	ND	50	50	40.8	20.1	82	40	70-148	68	30	D6,M1
Chlorobenzene	ug/L	ND	50	50	50.2	24.3	100	49	70-146	70	30	D6,M1
Toluene	ug/L	ND	50	50	47.6	23.2	95	46	70-155	69	30	D6,M1
Trichloroethene	ug/L	22.5	50	50	69.9	34.5	95	24	69-151	68	30	D6,M1
1,2-Dichloroethane-d4 (S)	%						114	117	70-130			
4-Bromofluorobenzene (S)	%						86	86	70-130			
Dibromofluoromethane (S)	%						110	111	70-130			
Toluene-d8 (S)	%						95	96	70-130			

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

QC Batch: MSV/20888

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 92135830001, 92135830002

METHOD BLANK: 861895

Matrix: Solid

Associated Lab Samples: 92135830001, 92135830002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,1,1-Trichloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,1,2-Trichloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,1-Dichloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,1-Dichloroethene	ug/kg	ND	5.4	10/29/12 10:09	
1,1-Dichloropropene	ug/kg	ND	5.4	10/29/12 10:09	
1,2,3-Trichlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,2,3-Trichloropropane	ug/kg	ND	5.4	10/29/12 10:09	
1,2,4-Trichlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,2,4-Trimethylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.4	10/29/12 10:09	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.4	10/29/12 10:09	
1,2-Dichlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,2-Dichloroethane	ug/kg	ND	5.4	10/29/12 10:09	
1,2-Dichloropropane	ug/kg	ND	5.4	10/29/12 10:09	
1,3,5-Trimethylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,3-Dichlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
1,3-Dichloropropane	ug/kg	ND	5.4	10/29/12 10:09	
1,4-Dichlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
2,2-Dichloropropane	ug/kg	ND	5.4	10/29/12 10:09	
2-Butanone (MEK)	ug/kg	ND	108	10/29/12 10:09	
2-Chlorotoluene	ug/kg	ND	5.4	10/29/12 10:09	
2-Hexanone	ug/kg	ND	54.2	10/29/12 10:09	
4-Chlorotoluene	ug/kg	ND	5.4	10/29/12 10:09	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	54.2	10/29/12 10:09	
Acetone	ug/kg	ND	108	10/29/12 10:09	
Benzene	ug/kg	ND	5.4	10/29/12 10:09	
Bromobenzene	ug/kg	ND	5.4	10/29/12 10:09	
Bromochloromethane	ug/kg	ND	5.4	10/29/12 10:09	
Bromodichloromethane	ug/kg	ND	5.4	10/29/12 10:09	
Bromoform	ug/kg	ND	5.4	10/29/12 10:09	
Bromomethane	ug/kg	ND	10.8	10/29/12 10:09	
Carbon tetrachloride	ug/kg	ND	5.4	10/29/12 10:09	
Chlorobenzene	ug/kg	ND	5.4	10/29/12 10:09	
Chloroethane	ug/kg	ND	10.8	10/29/12 10:09	
Chloroform	ug/kg	ND	5.4	10/29/12 10:09	
Chloromethane	ug/kg	ND	10.8	10/29/12 10:09	
cis-1,2-Dichloroethene	ug/kg	ND	5.4	10/29/12 10:09	
cis-1,3-Dichloropropene	ug/kg	ND	5.4	10/29/12 10:09	
Dibromochloromethane	ug/kg	ND	5.4	10/29/12 10:09	
Dibromomethane	ug/kg	ND	5.4	10/29/12 10:09	
Dichlorodifluoromethane	ug/kg	ND	10.8	10/29/12 10:09	

Date: 10/30/2012 03:14 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

METHOD BLANK: 861895

Matrix: Solid

Associated Lab Samples: 92135830001, 92135830002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.4	10/29/12 10:09	
Ethylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
Hexachloro-1,3-butadiene	ug/kg	ND	5.4	10/29/12 10:09	
Isopropylbenzene (Cumene)	ug/kg	ND	5.4	10/29/12 10:09	
m&p-Xylene	ug/kg	ND	10.8	10/29/12 10:09	
Methyl-tert-butyl ether	ug/kg	ND	5.4	10/29/12 10:09	
Methylene Chloride	ug/kg	ND	21.7	10/29/12 10:09	
n-Butylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
n-Propylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
Naphthalene	ug/kg	ND	5.4	10/29/12 10:09	
o-Xylene	ug/kg	ND	5.4	10/29/12 10:09	
p-Isopropyltoluene	ug/kg	ND	5.4	10/29/12 10:09	
sec-Butylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
Styrene	ug/kg	ND	5.4	10/29/12 10:09	
tert-Butylbenzene	ug/kg	ND	5.4	10/29/12 10:09	
Tetrachloroethene	ug/kg	ND	5.4	10/29/12 10:09	
Toluene	ug/kg	ND	5.4	10/29/12 10:09	
trans-1,2-Dichloroethene	ug/kg	ND	5.4	10/29/12 10:09	
trans-1,3-Dichloropropene	ug/kg	ND	5.4	10/29/12 10:09	
Trichloroethene	ug/kg	ND	5.4	10/29/12 10:09	
Trichlorofluoromethane	ug/kg	ND	5.4	10/29/12 10:09	
Vinyl acetate	ug/kg	ND	54.2	10/29/12 10:09	
Vinyl chloride	ug/kg	ND	10.8	10/29/12 10:09	
Xylene (Total)	ug/kg	ND	10.8	10/29/12 10:09	
1,2-Dichloroethane-d4 (S)	%	108	70-132	10/29/12 10:09	
4-Bromofluorobenzene (S)	%	104	70-130	10/29/12 10:09	
Dibromofluoromethane (S)	%	106	70-130	10/29/12 10:09	
Toluene-d8 (S)	%	102	70-130	10/29/12 10:09	

LABORATORY CONTROL SAMPLE: 861896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	58.7	54.5	93	70-131	
1,1,1-Trichloroethane	ug/kg	58.7	42.2	72	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	58.7	56.5	96	70-130	
1,1,2-Trichloroethane	ug/kg	58.7	58.1	99	70-132	
1,1-Dichloroethane	ug/kg	58.7	55.3	94	70-143	
1,1-Dichloroethene	ug/kg	58.7	55.0	94	70-137	
1,1-Dichloropropene	ug/kg	58.7	39.5	67	70-135 L0	
1,2,3-Trichlorobenzene	ug/kg	58.7	59.6	102	69-153	
1,2,3-Trichloropropane	ug/kg	58.7	58.1	99	70-130	
1,2,4-Trichlorobenzene	ug/kg	58.7	58.9	100	55-171	
1,2,4-Trimethylbenzene	ug/kg	58.7	56.6	96	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	58.7	59.8	102	68-141	
1,2-Dibromoethane (EDB)	ug/kg	58.7	56.5	96	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 861896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	58.7	54.4	93	70-140	
1,2-Dichloroethane	ug/kg	58.7	57.7	98	70-137	
1,2-Dichloropropane	ug/kg	58.7	49.3	84	70-133	
1,3,5-Trimethylbenzene	ug/kg	58.7	56.3	96	70-143	
1,3-Dichlorobenzene	ug/kg	58.7	54.4	93	70-144	
1,3-Dichloropropane	ug/kg	58.7	51.3	87	70-132	
1,4-Dichlorobenzene	ug/kg	58.7	54.4	93	70-142	
2,2-Dichloropropane	ug/kg	58.7	43.0	73	68-152	
2-Butanone (MEK)	ug/kg	117	111J	94	70-149	
2-Chlorotoluene	ug/kg	58.7	54.2	92	70-141	
2-Hexanone	ug/kg	117	133	114	70-149	
4-Chlorotoluene	ug/kg	58.7	55.6	95	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	117	136	116	70-153	
Acetone	ug/kg	117	107J	91	70-157	
Benzene	ug/kg	58.7	55.8	95	70-130	
Bromobenzene	ug/kg	58.7	54.6	93	70-141	
Bromochloromethane	ug/kg	58.7	48.2	82	70-149	
Bromodichloromethane	ug/kg	58.7	53.2	91	70-130	
Bromoform	ug/kg	58.7	62.2	106	70-131	
Bromomethane	ug/kg	58.7	46.6	79	64-136	
Carbon tetrachloride	ug/kg	58.7	40.7	69	70-154	LO
Chlorobenzene	ug/kg	58.7	55.5	95	70-135	
Chloroethane	ug/kg	58.7	66.6	114	68-151	
Chloroform	ug/kg	58.7	47.4	81	70-130	
Chloromethane	ug/kg	58.7	73.6	125	70-132	
cis-1,2-Dichloroethene	ug/kg	58.7	47.9	82	70-140	
cis-1,3-Dichloropropene	ug/kg	58.7	55.2	94	70-137	
Dibromochloromethane	ug/kg	58.7	54.1	92	70-130	
Dibromomethane	ug/kg	58.7	54.9	93	70-136	
Dichlorodifluoromethane	ug/kg	58.7	61.6	105	36-148	
Diisopropyl ether	ug/kg	58.7	52.7	90	70-139	
Ethylbenzene	ug/kg	58.7	56.2	96	70-137	
Hexachloro-1,3-butadiene	ug/kg	58.7	53.9	92	70-145	
Isopropylbenzene (Cumene)	ug/kg	58.7	58.1	99	70-141	
m&p-Xylene	ug/kg	117	117	100	70-140	
Methyl-tert-butyl ether	ug/kg	58.7	50.3	86	45-150	
Methylene Chloride	ug/kg	58.7	53.4	91	70-133	
n-Butylbenzene	ug/kg	58.7	57.4	98	65-155	
n-Propylbenzene	ug/kg	58.7	54.2	92	70-148	
Naphthalene	ug/kg	58.7	59.4	101	70-148	
o-Xylene	ug/kg	58.7	58.0	99	70-141	
p-Isopropyltoluene	ug/kg	58.7	56.5	96	70-148	
sec-Butylbenzene	ug/kg	58.7	55.3	94	70-145	
Styrene	ug/kg	58.7	60.0	102	70-138	
tert-Butylbenzene	ug/kg	58.7	54.6	93	70-143	
Tetrachloroethene	ug/kg	58.7	52.9	90	70-140	
Toluene	ug/kg	58.7	56.6	96	70-130	
trans-1,2-Dichloroethene	ug/kg	58.7	48.6	83	70-136	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 861896

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	58.7	60.8	104	70-138	
Trichloroethene	ug/kg	58.7	48.4	83	70-132	
Trichlorofluoromethane	ug/kg	58.7	62.1	106	69-134	
Vinyl acetate	ug/kg	117	139	118	24-161	
Vinyl chloride	ug/kg	58.7	61.4	105	55-140	
Xylene (Total)	ug/kg	176	175	99	70-141	
1,2-Dichloroethane-d4 (S)	%			109	70-132	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			91	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE SAMPLE: 862095

Parameter	Units	92136638001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	<2.0	65.6	54.6	83	49-180	
Benzene	ug/kg	<1.8	65.6	51.3	78	50-166	
Chlorobenzene	ug/kg	<2.1	65.6	64.5	98	43-169	
Toluene	ug/kg	<2.0	65.6	61.6	94	52-163	
Trichloroethene	ug/kg	<2.4	65.6	61.1	93	49-167	
1,2-Dichloroethane-d4 (S)	%				103	70-132	
4-Bromofluorobenzene (S)	%				86	70-130	
Dibromofluoromethane (S)	%				101	70-130	
Toluene-d8 (S)	%				92	70-130	

SAMPLE DUPLICATE: 862094

Parameter	Units	92136136001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,1-Trichloroethane	ug/kg	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		30	
1,1,2-Trichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethane	ug/kg	ND	ND		30	
1,1-Dichloroethene	ug/kg	ND	ND		30	
1,1-Dichloropropene	ug/kg	ND	ND		30	
1,2,3-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,3-Trichloropropane	ug/kg	ND	ND		30	
1,2,4-Trichlorobenzene	ug/kg	ND	ND		30	
1,2,4-Trimethylbenzene	ug/kg	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		30	
1,2-Dichlorobenzene	ug/kg	ND	ND		30	
1,2-Dichloroethane	ug/kg	ND	ND		30	
1,2-Dichloropropane	ug/kg	ND	ND		30	
1,3,5-Trimethylbenzene	ug/kg	ND	ND		30	
1,3-Dichlorobenzene	ug/kg	ND	ND		30	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

SAMPLE DUPLICATE: 862094

Parameter	Units	92136136001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/kg	ND	ND		30	
1,4-Dichlorobenzene	ug/kg	ND	ND		30	
2,2-Dichloropropane	ug/kg	ND	ND		30	
2-Butanone (MEK)	ug/kg	ND	ND		30	
2-Chlorotoluene	ug/kg	ND	ND		30	
2-Hexanone	ug/kg	ND	ND		30	
4-Chlorotoluene	ug/kg	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		30	
Acetone	ug/kg	ND	71.2J		30	
Benzene	ug/kg	ND	ND		30	
Bromobenzene	ug/kg	ND	ND		30	
Bromochloromethane	ug/kg	ND	ND		30	
Bromodichloromethane	ug/kg	ND	ND		30	
Bromoform	ug/kg	ND	ND		30	
Bromomethane	ug/kg	ND	ND		30	
Carbon tetrachloride	ug/kg	ND	ND		30	
Chlorobenzene	ug/kg	ND	ND		30	
Chloroethane	ug/kg	ND	ND		30	
Chloroform	ug/kg	ND	ND		30	
Chloromethane	ug/kg	ND	ND		30	
cis-1,2-Dichloroethene	ug/kg	ND	ND		30	
cis-1,3-Dichloropropene	ug/kg	ND	ND		30	
Dibromochloromethane	ug/kg	ND	ND		30	
Dibromomethane	ug/kg	ND	ND		30	
Dichlorodifluoromethane	ug/kg	ND	ND		30	
Diisopropyl ether	ug/kg	ND	ND		30	
Ethylbenzene	ug/kg	ND	ND		30	
Hexachloro-1,3-butadiene	ug/kg	ND	ND		30	
Isopropylbenzene (Cumene)	ug/kg	ND	ND		30	
m&p-Xylene	ug/kg	ND	ND		30	
Methyl-tert-butyl ether	ug/kg	ND	ND		30	
Methylene Chloride	ug/kg	ND	ND		30	
n-Butylbenzene	ug/kg	ND	ND		30	
n-Propylbenzene	ug/kg	ND	ND		30	
Naphthalene	ug/kg	ND	ND		30	
o-Xylene	ug/kg	ND	ND		30	
p-Isopropyltoluene	ug/kg	ND	ND		30	
sec-Butylbenzene	ug/kg	ND	ND		30	
Styrene	ug/kg	ND	ND		30	
tert-Butylbenzene	ug/kg	ND	ND		30	
Tetrachloroethene	ug/kg	ND	ND		30	
Toluene	ug/kg	ND	ND		30	
trans-1,2-Dichloroethene	ug/kg	ND	ND		30	
trans-1,3-Dichloropropene	ug/kg	ND	ND		30	
Trichloroethene	ug/kg	ND	ND		30	
Trichlorofluoromethane	ug/kg	ND	ND		30	
Vinyl acetate	ug/kg	ND	ND		30	
Vinyl chloride	ug/kg	ND	ND		30	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

SAMPLE DUPLICATE: 862094

Parameter	Units	92136136001 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	114	26		
4-Bromofluorobenzene (S)	%	91	86	16		
Dibromofluoromethane (S)	%	99	119	40		
Toluene-d8 (S)	%	98	100	24		

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

QC Batch: OEXT/19398 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92135830002

METHOD BLANK: 857260 Matrix: Solid
Associated Lab Samples: 92135830002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	10/23/12 13:51	
2-Methylnaphthalene	ug/kg	ND	330	10/23/12 13:51	
Acenaphthene	ug/kg	ND	330	10/23/12 13:51	
Acenaphthylene	ug/kg	ND	330	10/23/12 13:51	
Anthracene	ug/kg	ND	330	10/23/12 13:51	
Benzo(a)anthracene	ug/kg	ND	330	10/23/12 13:51	
Benzo(a)pyrene	ug/kg	ND	330	10/23/12 13:51	
Benzo(b)fluoranthene	ug/kg	ND	330	10/23/12 13:51	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/23/12 13:51	
Benzo(k)fluoranthene	ug/kg	ND	330	10/23/12 13:51	
Chrysene	ug/kg	ND	330	10/23/12 13:51	
Dibenz(a,h)anthracene	ug/kg	ND	330	10/23/12 13:51	
Fluoranthene	ug/kg	ND	330	10/23/12 13:51	
Fluorene	ug/kg	ND	330	10/23/12 13:51	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/23/12 13:51	
Naphthalene	ug/kg	ND	330	10/23/12 13:51	
Phenanthrene	ug/kg	ND	330	10/23/12 13:51	
Pyrene	ug/kg	ND	330	10/23/12 13:51	
2-Fluorobiphenyl (S)	%	76	30-110	10/23/12 13:51	
Nitrobenzene-d5 (S)	%	81	23-110	10/23/12 13:51	
Terphenyl-d14 (S)	%	86	28-110	10/23/12 13:51	

LABORATORY CONTROL SAMPLE: 857261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1450	87	45-105	
2-Methylnaphthalene	ug/kg	1670	1440	86	39-112	
Acenaphthene	ug/kg	1670	1450	87	38-117	
Acenaphthylene	ug/kg	1670	1440	86	46-107	
Anthracene	ug/kg	1670	1410	85	50-110	
Benzo(a)anthracene	ug/kg	1670	1560	94	47-116	
Benzo(a)pyrene	ug/kg	1670	1600	96	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1550	93	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1570	94	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1500	90	45-117	
Chrysene	ug/kg	1670	1520	91	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1610	96	43-116	
Fluoranthene	ug/kg	1670	1540	93	50-114	
Fluorene	ug/kg	1670	1480	89	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1610	96	42-115	
Naphthalene	ug/kg	1670	1400	84	41-110	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE: 857261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1390	83	50-110	
Pyrene	ug/kg	1670	1490	89	45-114	
2-Fluorobiphenyl (S)	%			83	30-110	
Nitrobenzene-d5 (S)	%			90	23-110	
Terphenyl-d14 (S)	%			85	28-110	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
Pace Project No.: 92135830

QC Batch: OEXT/19395 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

METHOD BLANK: 857250 Matrix: Water
Associated Lab Samples: 92135830003, 92135830005, 92135830006, 92135830007, 92135830008, 92135830009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	10.0	10/23/12 14:53	
2-Methylnaphthalene	ug/L	ND	10.0	10/23/12 14:53	
Acenaphthene	ug/L	ND	10.0	10/23/12 14:53	
Acenaphthylene	ug/L	ND	10.0	10/23/12 14:53	
Anthracene	ug/L	ND	10.0	10/23/12 14:53	
Benzo(a)anthracene	ug/L	ND	10.0	10/23/12 14:53	
Benzo(a)pyrene	ug/L	ND	10.0	10/23/12 14:53	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/23/12 14:53	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/23/12 14:53	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/23/12 14:53	
Chrysene	ug/L	ND	10.0	10/23/12 14:53	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/23/12 14:53	
Fluoranthene	ug/L	ND	10.0	10/23/12 14:53	
Fluorene	ug/L	ND	10.0	10/23/12 14:53	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/23/12 14:53	
Naphthalene	ug/L	ND	10.0	10/23/12 14:53	
Phenanthrene	ug/L	ND	10.0	10/23/12 14:53	
Pyrene	ug/L	ND	10.0	10/23/12 14:53	
2-Fluorobiphenyl (S)	%	80	27-110	10/23/12 14:53	
Nitrobenzene-d5 (S)	%	75	21-110	10/23/12 14:53	
Terphenyl-d14 (S)	%	87	31-107	10/23/12 14:53	

LABORATORY CONTROL SAMPLE & LCSD: 857251 857252

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	50	36.4	38.1	73	76	21-110	5	30	
2-Methylnaphthalene	ug/L	50	36.4	37.7	73	75	16-110	4	30	
Acenaphthene	ug/L	50	39.0	41.3	78	83	20-105	6	30	
Acenaphthylene	ug/L	50	37.3	40.1	75	80	23-106	7	30	
Anthracene	ug/L	50	38.7	42.0	77	84	25-120	8	30	
Benzo(a)anthracene	ug/L	50	38.1	40.6	76	81	21-128	6	30	
Benzo(a)pyrene	ug/L	50	40.1	42.4	80	85	25-116	6	30	
Benzo(b)fluoranthene	ug/L	50	38.4	40.9	77	82	23-117	6	30	
Benzo(g,h,i)perylene	ug/L	50	38.6	41.3	77	83	17-128	7	30	
Benzo(k)fluoranthene	ug/L	50	37.9	41.3	76	83	25-127	8	30	
Chrysene	ug/L	50	37.8	40.5	76	81	24-125	7	30	
Dibenz(a,h)anthracene	ug/L	50	38.4	40.0	77	80	18-131	4	30	
Fluoranthene	ug/L	50	39.3	39.6	79	79	24-125	1	30	
Fluorene	ug/L	50	38.7	39.9	77	80	24-114	3	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	39.7	41.7	79	83	18-130	5	30	
Naphthalene	ug/L	50	36.3	38.1	73	76	14-110	5	30	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

LABORATORY CONTROL SAMPLE & LCSD:		857251		857252							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Phenanthrene	ug/L	50	38.0	41.3	76	83	25-119	8	30		
Pyrene	ug/L	50	38.4	43.9	77	88	22-127	13	30		
2-Fluorobiphenyl (S)	%				77	78	27-110				
Nitrobenzene-d5 (S)	%				76	77	21-110				
Terphenyl-d14 (S)	%				70	69	31-107				



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 9800 Kinsey Ave. Suite 100
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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Dixon
 Pace Project No.: 92135830

QC Batch: PMST/5071 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 92135830002

SAMPLE DUPLICATE: 856968

Parameter	Units	92135728001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.4	16.1	5	25	

SAMPLE DUPLICATE: 856969

Parameter	Units	92135901009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.0	16.1	0	25	

QUALIFIERS

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 32538-5 Double Eagle-Dixon

Pace Project No.: 92135830

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92135830002	SB-7-31-33	EPA 3050	MPRP/11796	EPA 6010	ICP/10799
92135830003	EB101612-1	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830005	MW-3	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830006	MW-1	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830007	MW-4	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830008	MW-100	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830009	EB101812-1	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135830003	EB101612-1	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830005	MW-3	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830006	MW-1	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830007	MW-4	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830008	MW-100	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830009	EB101812-1	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135830002	SB-7-31-33	EPA 7471	MERP/4616	EPA 7471	MERC/4520
92135830002	SB-7-31-33	EPA 3546	OEXT/19398	EPA 8270	MSSV/6903
92135830003	EB101612-1	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830005	MW-3	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830006	MW-1	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830007	MW-4	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830008	MW-100	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830009	EB101812-1	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135830003	EB101612-1	EPA 8260	MSV/20824		
92135830004	TB101812-1	EPA 8260	MSV/20824		
92135830005	MW-3	EPA 8260	MSV/20833		
92135830006	MW-1	EPA 8260	MSV/20833		
92135830007	MW-4	EPA 8260	MSV/20833		
92135830008	MW-100	EPA 8260	MSV/20825		
92135830009	EB101812-1	EPA 8260	MSV/20825		
92135830001	TB101612-1	EPA 8260	MSV/20888		
92135830002	SB-7-31-33	EPA 8260	MSV/20888		
92135830002	SB-7-31-33	ASTM D2974-87	PMST/5071		