



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 – Ozark Plant
Gastonia, North Carolina
NCD 003153301
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 – Ozark Plant located at 1301 East Ozark Avenue 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". The signature is fluid and cursive, with the first name being the most prominent.

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

REJ:EMH

K:\Affinia\Double Eagle\Notifications\Ozark\Ozark Cover Letter_Notification Form_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



NOTIFICATION OF AN INACTIVE HAZARDOUS SUBSTANCE OR WASTE DISPOSAL SITE

Please read instructions before completing and type or print in black ink.

I. SITE NAME AND LOCATION:

Site Name (one site per form) Wix Filtration Corp LLC - Ozark Plant
Location (street address) 1301 E. Ozark Ave.
City Gastonia US EPA ID# (if known) NCD003153301
County Gaston
Directions to Site From I-85, take exit 19, merge onto NC 7 west/E. Ozark Ave.
destination will be on the left (0.6 miles).

Attach a USGS topographic map or map of equal or reasonably similar scale (1 inch = 2000 ft.) showing the location and vicinity of the site or facility. Label map with the site name.

II. PERSON COMPLETING FORM:

Name Josh Schieffer
Mailing Address Wix Filtration Corp LLC
2900 Northwest Blvd.
City Gastonia State NC Zip Code 28052
Telephone (704) 869-3609

Present Owner
Past Owner
Present Operator
Past Operator
Other
(specify) _____

III. PRESENT OWNER:

Individual Owner or Company Name
Wix Filtration Corp LLC
Executive Officer Terry McCormick
Mailing Address P.O. Box 1967
City Gastonia State NC Zip Code 28053-1967
Telephone (704) 864-6711

Corporation
Partnership
Individual
Government Unit
Other
(specify) _____

IV. CURRENT SITE USE:

Check the item or items which describe the current use of the site.

Residential	<u> </u>	Forest Land	<u> </u>	Retirement Home	<u> </u>
Business	<u> </u>	Farm Land	<u> </u>	Other	<u> X </u>
Industrial	<u> X </u>	School/Day Care	<u> </u>	(specify) Warehouse	<u> </u>
Pasture Land	<u> </u>	Hospital	<u> </u>	space	<u> </u>

V. ON-SITE RESIDENTS:

Are there any on-site residents? Yes X No
 Number of children (# 6 years old) living on site Number of adults

VI. SURROUNDING PROPERTY USE:

Check the appropriate description of the area surrounding the site. (*More than one may apply.*)

Residential	<u> X </u>	Forest Land	<u> </u>	Retirement Home	<u> </u>
Business	<u> X </u>	Farm Land	<u> </u>	Other	<u> </u>
Industrial	<u> X </u>	School/Day Care	<u> </u>	(Specify)	<u> </u>
Pasture Land	<u> </u>	Hospital	<u> </u>		<u> </u>

VII. Site Operations (*More than one may apply.*):

	Current	Previous
1. Mining	<u> </u>	<u> </u>
2. Paper and wood production	<u> </u>	<u> </u>
3. Textiles	<u> </u>	<u> X </u>
4. Fertilizer	<u> </u>	<u> </u>
5. Printing/painting	<u> </u>	<u> </u>
6. Leather tanning	<u> </u>	<u> </u>
7. Iron/steel foundry	<u> </u>	<u> </u>
8. Chemical, general	<u> </u>	<u> </u>
9. Plating/polishing	<u> </u>	<u> </u>
10. Military/ammunition	<u> </u>	<u> </u>
11. Firing range	<u> </u>	<u> </u>
12. Rubber/plastics	<u> </u>	<u> </u>
13. Utility companies/transformers	<u> </u>	<u> </u>
14. Sanitary/refuse	<u> </u>	<u> </u>
15. Photo finishing	<u> </u>	<u> </u>
16. Lab/hospital	<u> </u>	<u> </u>
17. Wood treating	<u> </u>	<u> </u>
18. Battery reclamation	<u> </u>	<u> </u>
19. Pesticides formulation, packaging and/or distribution	<u> </u>	<u> </u>
20. Herbicide formulation, packaging and/or distribution	<u> </u>	<u> </u>
21. Other agrichemical formulation, packaging and/or distribution	<u> </u>	<u> </u>
22. Dry cleaning	<u> </u>	<u> </u>
23. Petrochemical processing or refining	<u> </u>	<u> </u>
24. Furniture manufacturing or finishing	<u> </u>	<u> </u>
25. Drum reconditioning	<u> </u>	<u> </u>
26. Unknown	<u> </u>	<u> </u>
27. Other (specify) <u>Automotive air filter manufacturing</u>	<u> </u>	<u> X </u>
Warehouse space	<u> X </u>	

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	03448R11	10/18/2000	NCDENR - DAQ
Air Permit - Exemption Letter	Past	Present	NA	1/11/2005	NCDENR - DAQ
Stormwater	Past	Present	NCG030000;COC NCG030413	9/1/1997	NCDENR - DWQ
Stormwater - No Exposure Cert.	Past	Present	NCGNE0349	8/24/2007	NCDENR - DWQ
Hazardous Waste - SQG	Past	Present	NCD003153301	4/20/2010	NCDENR - DWM
Hazardous Waste - CESQG	Past	Present	NCD003153301	1/31/2012	NCDENR - DWM
	Past	Present			

IX. KNOWN OR SUSPECTED RELEASES OF HAZARDOUS SUBSTANCES OR WASTE TO THE ENVIRONMENT:

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
<i><Enter "K" if Known and "S" if Suspected ></i>									
Tetrachloroethene	S	unknown	unknown	O	unknown				K
Benzo(a)anthracene	S	unknown	unknown	O	unknown				K
Benzo(a)pyrene	S	unknown	unknown	O	unknown				K
Benzo(b)fluoranthene	S	unknown	unknown	O	unknown				K
Indeno(1,2,3-cd)pyrene	S	unknown	unknown	O	unknown				K
Dibenz(a,h)anthracene	S	unknown	unknown	O	unknown				K

Physical State Codes

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

A - Acids
Ab - Asbestos
Am - Ammonia
B - Bases
C - Cyanide

Codes for Suspected Contaminants

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 checked="" 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 type="checkbox"/> | Other (<i>specify</i>) _____ | | | | |

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*) Building doors are locked

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 Gene Schieffer Date 2-14-13
Name and Title (Type or print) JOSHUA GENE SCHIEFFER
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 SCHIEFFER 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

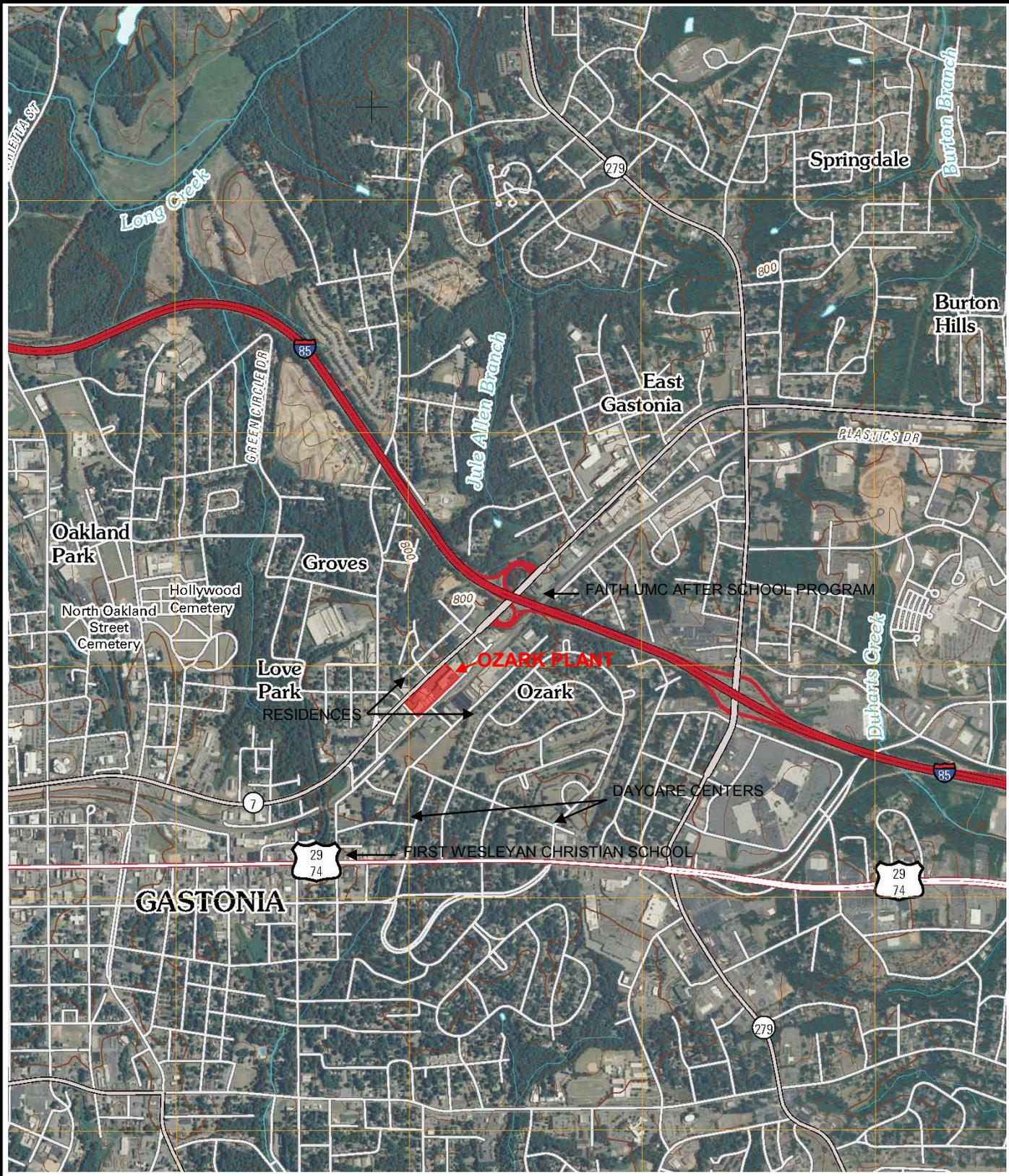


DWG Name: 000037031-A03

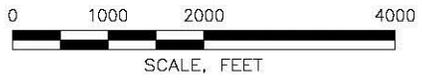
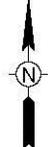
Checked: EMH 02/05/2012
Approved: REL 02/05/2013

Drawn By: EMH 11/09/2012

A



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



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

FIGURE 1

SITE LOCATION MAP

OZARK 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 – Ozark Plant
1301 East Ozark Avenue, Gastonia, North Carolina

WSP Project No. 28686

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Wix Filtration Corporation – Ozark Plant
1301 East Ozark Avenue, Gastonia, North Carolina

10/15/2012

Client

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

Consultant

WSP Environment & Energy
11190 Sunrise Valley Drive,
Suite 300
Reston, Virginia 20191
USA

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www.wspenvironmental.com/usa

WSP Contacts

Franklin E. Giles

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Appendix B – Statement of Qualifications

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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 1301 East Ozark Avenue in Gastonia, Gaston County, North Carolina, at the request of Affinia Group, Inc. This facility is known as the Wix Ozark 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 January 27, 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 facility is located on 3.55 acres of land (subject property) that includes four connected buildings enclosing approximately 183,630 square feet. The facility was initially used as a cotton mill in the late 1800's to early 1900s, in the 1930's the site was used for automotive filter manufacture until production ceased in December 2011. Portions of the site are currently used as warehouse space. The subject property is owned by Wix Filtration Corporation.

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

- A layer of grey ash or cinders is reportedly present under the basement floorboards of the Old Building. Based on the description provided, it may be historic fill that was used during construction of the Old Building in the 1880s. Coal ash was historically used in fill material and has the potential to contain heavy metals. Its presence beneath the building is therefore considered to be a recognized environmental condition at the subject property.
- Historically, two in-ground hydraulic systems were present in the basement room adjacent to the freight elevator. According to facility personnel, the cylinders of these systems had been removed and the two resulting shafts filled with sand. The shaft opening located closer to the freight elevator was surrounded by an approximately 100 square-foot stain, and a puddle of tainted water (consistent with oily water) was standing in the shaft about one foot below floor level. The hydraulic system for the freight elevator included an oil tank located in a small room open to the back wall of the elevator shaft. The tank appeared to be of recent construction and was in good condition, however, the interior of the freight elevator shaft showed staining on the floor and on the wall adjacent to tank, indicating potential hydraulic fluid releases had occurred. WSP concludes that the observed staining and tainted water in the former hydraulic shaft indicate the potential for sub-floor petroleum contamination, and is a recognized environmental condition.
- Public sewers were first installed in the vicinity of the facility in about 1920, and it is therefore likely that a septic system or cesspit was in use on the property between 1880 and the early 1920s, and possibly later. The presence of onsite disposal system such as a septic system or cesspit at an industrial facility indicates a recognized environment condition at the subject property.

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 assessment of the Wix Filtration Corporation (Wix) facility located at 1301 East Ozark Avenue in Gastonia, Gaston County, North Carolina, at the request of Affinia Group, Inc. This facility is known as the Wix Ozark 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 January 27, 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 Josh Shieffer, Assistant Environmental Health and Safety Manager of Wix and Bill Anton, building maintenance worker of Wix. The following work was conducted during completion of the environmental assessment:

- A site visit at the Wix facility was conducted on October 4, 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 Mr. Shieffer and Mr. Anton. Mr. Shieffer has managed environmental issues at the facility for 1 year. Mr. Anton started working at the Ozark Plant in 1961 and has worked at Wix facilities for 51 years.
- WSP conducted interviews with the following people:
 - Scott Van Pelt, former facility manager. Mr. Van Pelt has been associated with the facility for 34 years.
 - Jeff Shepherd, the current Maintenance Manager for the Allan plant and responsible for maintenance of the Ozark plant. Wix has operated at the property since 1939 and purchased the property prior to 1950.
 - Mr. Keith Clark, Division Environmental Health and Safety Manager of Wix. Mr. Clark managed environmental issues at the facility for 14 years. WSP also interviewed Mr. Clark as "user" of the Assessment regarding environmental cleanup liens, specialized knowledge, and the relationship of the purchase price with fair market value.
 - 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.

- 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, 1973, 1976, 1984, 1989, 1993, 1994, 1998, 2005, 2006, and 2008 were reviewed (Appendix D). An aerial photograph obtained through Google Earth and dated April 2010 was also reviewed.
 - Sanborn fire insurance maps from 1915, 1922, 1930, 1950, and 1963 (Appendix E)
 - historical topographic maps from 1914, 1970, and 1993 (Appendix E)
 - city directories from 1964 to 2011 (Appendix E)
- WSP reviewed property and zoning information available at the Gaston County, North Carolina, Office of the Director of Revenue, geographic information system (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 Ozark Plant is located at 1301 East Ozark Avenue in Gastonia, North Carolina (Figure 1). The subject property is comprised of 3.55 acres of land that includes four connected buildings enclosing approximately 183,630 square feet. The facility was initially used as a cotton mill in the late 1800's to early 1900s, in the 1930's the site was used for automotive filter manufacture until production ceased in December 2011. Portions of the site are currently used as warehouse space. The facility operations included sheet steel cutting, stamping, machining, welding, brazing, polishing, paper cutting and pleating, testing, packing, and shipping. Wix operated under standard industrial classification (SIC) code 3714, which is specific to motor vehicle parts and accessories manufacturing. This SIC code corresponds to North American Industry Classification System (NAICS) code 336399.

2.1.1 General Description

The subject property is owned by Wix. Wix merged with Dana Holding Corporation (Dana) in 1979 and was sold to Affinia's predecessor in 2004. The property includes the following connected buildings (Figure 2):

Building Name	Stories	Square Feet Enclosed	Year Constructed
Old Building	3 + Basement	90,250	c. 1880
New Building	3	56,300	c. 1950
Pressroom & Can Line 7	1	26,680	c. 1960
Can Line 8	1	9,400	c. 1970

The Old Building and New Building are multistory brick structures, with interior concrete, steel or wood columns, and shallow-pitched built-up roofs. The Old Building has a full basement, external stairwell towers, and a partial third floor which was used as a cafeteria. The Old Building and the New Building are connected by an enclosed multi-story corridor. The Pressroom and Can Line 8 Buildings are single story brick structures with shallow-pitched composite roofs and a concrete slab foundation. The property occupies a narrow parcel situated between East Ozark Avenue and East Airline Avenue, with the building occupying almost all of the available area. Asphalt-paved parking surfaces are located northwest and southeast of the building. According to facility personnel, the majority of the paved area on the southeast belongs to the Norfolk Southern Railway. The Old Building shares a wall with the former Central Yarn and Dye building on the adjacent property to the northeast and the Pressroom and Can Line 8 Buildings extend to within a few feet of the adjacent office building to the southwest. More information on these adjacent buildings is presented in Section 2.2 Surrounding Properties. The remainder of the property includes a parking lot, and a small equipment yard located between the Old Building and the New Building (Figure 2). Major features of the facility include the following:

- offices
- maintenance shops

-
- former filter can production areas
 - equipment storage areas
 - former corporate office areas

The Wix Plant is currently unmanned.

According to facility personnel and Gaston County property records, construction of the Old Building began in 1880 on undeveloped or residential land along an existing railroad line. The previous owner of the subject property is listed in historical records as Ozark Mills, and the Old Building was reportedly constructed for use as a cotton mill. According to facility personnel, Wix's original 1939 operations at the property were located in the basement of the cotton mill and involved assembly of oil filters using cotton mill waste as media. According to facility personnel and historical records, Wix purchased the subject property and entirely displaced cotton mill operations prior to 1950. No other information on prior uses of the subject property was available.

According to the City of Gastonia Interactive Zoning Map, the subject property is zoned I-U for urban industrial district and is located in a special gateway district.

2.1.2 Environmental Setting

According to the U.S. Geological Survey's Gastonia North, North Carolina quadrangle (7.5-minute series) map, the ground elevation of the Wix facility is approximately 806 feet above mean sea level. The site is located in a gently rolling area with land on the majority of the property sloping to the north toward Jule Allen Branch.

No water bodies are present on the subject property. The nearest water body, Jule Allen Branch, is approximately 0.5 mile north of the site. Based on the topography and the location of Jule Allen Branch, groundwater flow is presumed to be to the north.

The U. S. Department of Agriculture Soil Conservation Service indicates that the soils at the subject property are classified as Urban Land. The soils texture is identified as variable. The bedrock strata underlying the property consist of rocks from the Lower Paleozoic Granitic Rock Series.

According to the Federal Emergency Management Agency Flood Insurance Rate Map, the site is not located within a 100-year flood plain. Wix 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

Based on interviews with facility personnel; a review of Sanborn fire insurance maps from 1915, 1922, 1930, 1950, and 1963; and Gaston County property records, the site was developed for use as a cotton mill beginning in 1880. Facility personnel reported that the facility was used to make yarn and thread out of baled cotton fiber. Operations reportedly included carding, combing, twisting, and spinning. Based on the age and location of the mill building, operations were likely steam powered at first, using coal or wood as the main fuel. According to historic fire insurance maps, the facility was electrified before 1922.

According to facility personnel and historical records, a water tower was present on the northwest side of the property from about 1920 until the 1950s. The Pressroom Building now occupies the former water tower site.

According to Mr. Van Pelt, a layer of grey ash or cinders is present under the basement floorboards of the Old Building. This material was not accessible for inspection at the time of the assessment, but based on the description provided, it may be historic fill that was used during construction of the Old Building in the 1880s. Coal ash was historically used in fill material, indicating the potential that this material may contain heavy metals. Its presence beneath the building is therefore considered to be a suspect recognized environmental condition at the subject property.

No other information was available regarding previous operations at the facility. No other 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 no evidence of significant recognized environmental conditions or material compliance findings in connection with the subject property.

2.4 Current Operations and Conditions

2.4.1 Raw Materials Handling and Storage Practices

Wix has decommissioned former manufacturing operations at the facility, however, some historical production equipment and machinery remains at the site. Filter paper, sheet steel, and other production supplies are stored in the pressroom building. Steel sheet is stored in the Pressroom area. When the facility was operating hydraulic oil, drawing lubricant, and lube oil were stored in tanks. Most of these former tanks have been removed. No significant staining was observed at the former tank locations.

Historically, two in-ground hydraulic systems were present in the basement room adjacent to the freight elevator. According to facility personnel, the cylinders of these systems had been removed and the resulting shafts filled with sand. The shaft opening located closer to the freight elevator was surrounded by an approximately 100 square-foot stain, and a puddle of tainted water (likely oily water) was standing in the shaft about one foot below floor level. The hydraulic system for the freight elevator included an oil tank located in a small room open to the back wall of the elevator shaft. The tank appeared to be of recent construction and was in good condition, however, the interior of the freight elevator shaft showed staining on the floor and on the wall adjacent to tank indicating that potential hydraulic oil releases have occurred. WSP concludes that the observed staining and tainted water in the former hydraulic shaft indicate the potential for sub-floor petroleum contamination, and so is a recognized environmental condition.

During the site visit, WSP observed the following areas of oil staining:

- Staining and standing liquid consistent with oil was observed on the floor surrounding the remaining equipment in the Can Line 8 Building. The floor in the area of the staining showed significant wear and some cracks.
- Approximately 20 square feet of stained concrete was observed surrounding an air compressor located in the compressor room on the northwest side of the Old Building. The concrete under the compressor appeared to be in good condition.
- Several small stained areas were observed in the “quarantine” area of the basement of the New Building.

Based on the limited area of staining, WSP concludes that the observed staining is a *de minimis* condition.

No other areas of cracked concrete, floor drains, or other evidence of product migration outside the building into soil or groundwater was observed.

Prior to 1998, the facility operated a maintenance spray paint booth and a thermoset coating line. No raw materials related to these former operations were observed on the subject property.

Most of the chemical containers observed by WSP were marked with labels indicating their contents. None of the chemical containers were observed to be leaking or rusted. According to facility personnel, reviews of government records, and interviews with local responders, no reportable spills or releases of raw materials have occurred at the site.

All incoming materials were received and distributed by truck to the loading dock located in the Pressroom Building. Hydraulic oil was also offloaded at a through-wall fill pipe located on the southeast side of the Old Building. According to facility personnel, no spills of liquid materials occurred during unloading activities. Historically, the facility was also supplied by a rail siding formerly located along the southeast side of the Old Building.

No other recognized environmental conditions were identified during WSP's review of materials handling and storage activities.

2.4.2 Solid and Hazardous Waste

The Wix facility is currently registered as a conditionally exempt small quantity generator (CESQG) of hazardous waste and operates under the EPA identification number NCD003153301. According to facility personnel and manifests reviewed by WSP, the facility generated two shipments of obsolete maintenance and production materials in drums or lab-packed hazardous waste in September 2012. The hazardous waste was removed by Clean Harbors Environmental Services of Norwell, Massachusetts, and disposed at Clean Harbors Deer Park, LLC, in La Porte, Texas. The facility has reportedly not generated any other hazardous waste in the past three years.

The primary nonhazardous wastes generated onsite included cardboard, and plant trash.

Used oil was formerly generated during equipment maintenance and collected in a 500-gallon tote located in the Pressroom Building. Used absorbent was generated from small oil and coolant spills. Crystal Clean/Heritage removed used absorbent and used oil.

Scrap metal was formerly collected in a covered 40-yard roll-off bin located at the Pressroom Building loading dock. Scrap Metal was sold to Bruce's Scrap Metal of Gastonia, North Carolina until 2010, and was managed by Omnisource of Fort Wayne, Indiana, since 2010.

General trash and cardboard are collected in a dumpster located at the Pressroom Building loading dock and removed by Waste Management of Gastonia, North Carolina.

No evidence of onsite waste disposal was noted during the site inspection. No disposal 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

Based on interviews of facility personnel and regulatory database information, no underground storage tanks (USTs) are in current use at the subject property. According to facility personnel and government records, two 10,000-gallon Number 5 fuel oil USTs were located in the service yard on the southwest side of the property between the Old Building and the New Building. These USTs were closed in place on July 31, 2000. No releases from the tanks were reported. According to the previous Phase I report (RMT, Inc. 2004) a certificate of closure covering the tanks was issued by the North Carolina Department of Environment and Natural Resources (NCDENR). Two potential groundwater monitoring wells were observed in the vicinity of the closed tanks. Facility personnel reported that groundwater sampling was conducted by Dana, a previous owner of Wix, using these wells, but neither they nor other Wix representatives had access to any reports. Based on the information provided, WSP concludes that the closed USTs represent a historical recognized environmental condition at the subject property.

The facility operates two aboveground storage tanks (ASTs): a 275-gallon tank located in the former cotton machine room of the Old Building, and an out-of-service 300-gallon hydraulic oil tank located in a containment area outside the southwest wall of the Old Building. The tanks are constructed of steel. No cracked concrete, floor drains, or other evidence of product migration outside the building into soil or groundwater was observed in the vicinity of the ASTs.

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 currently in use on the subject property. The Gastonia City water treatment facility was originally built in 1922, and it is therefore likely that a water supply well was in use on the property between 1880 and the early 1920s, and possibly later.

The facility discharges sanitary wastewater, boiler blowdown, cooling tower blowdown, and an intermittent once-through cooling water stream to the City of Gastonia publicly owned treatment works (POTW). According to facility personnel and historical records, no septic systems or cesspools have ever been present onsite and none were observed. All wastewater streams are discharged directly to the municipal sewer system. According to the City of Gastonia Utilities Department, Public sewers were first installed in the vicinity of the facility in about 1920, and it is therefore likely that wastewater was discharged to surface water, or that a septic system or cesspit was in use on the property between 1880 and the early 1920s, and possibly later. The presence of onsite surface water discharge or an onsite disposal system such as a septic system or cesspit at an industrial facility would indicate a recognized environment condition at the subject property.

Facility personnel reported that no releases have occurred in the vicinity of any floor drains at the facility. At the time of the site visit, all floor drains appeared to be in good condition with no signs of staining.

The area around the parking lot loading dock includes a trench drain and sump that collected mop water from facility maintenance, oil dripping from the scrap metal bin, and debris from the area. This containment system was installed in 2000. The trench and pavement near the trench was observed to be oil stained at the time of the site inspection. According to the previous environmental report (RMT, Inc. 2004), the sump drains to the City of Gastonia sewer system. This staining is considered to be a *de minimis* condition.

No other sumps were observed or reported to be present at the site.

Storm water at the site flows from pitched roofs to a system of drainage pipes located along the perimeter of the building. From the drainage pipes, storm water on the northwest is conveyed to the paved parking lot and is ultimately discharged to storm water drains located in the parking area or along East Ozark Avenue. Storm water on the southeast side is piped to a local storm sewer. No evidence of stains or stressed vegetation was observed outdoors.

No other recognized environmental conditions were identified during the review of the facility's water, wastewater, or storm water discharges.

2.4.5 Air Emissions

Fugitive air emissions are generated from cleaners and lubricants used onsite. Point source air emissions are generated from exhaust vents.

The building is heated with natural gas and cooled by roof- and pad-mounted electric-powered units. The facility relies on Digitrol of Gastonia, North Carolina, to service the heating and air conditioning systems.

No recognized environmental conditions were identified during the review of the facility's air emission sources.

2.4.6 Polychlorinated Biphenyls

Electricity is supplied to the facility by the City of Gastonia. Two pad-mounted transformers are located on the property. One is located at the southwest corner of the property, and the other is located in the utility yard on the southeast side of the property between the Old Building and the New Building. A total of seven pole-mounted transformers are also present on the adjacent railroad property to the southeast. Black staining was observed on

the side seams of both the transformer in the utility yard and the transformer located at the southwest corner of the property. Minor staining was also observed on the concrete pads under both transformers. No leaks or stains were observed in the vicinity of the pole-mounted transformers. None of the transformers were labeled as to polychlorinated biphenyl (PCB) content. WSP contacted the City of Gastonia to obtain information on the PCB content of the transformers observed on the subject property, and according to Richard Meyers, Lighting Coordinator, of the City of Gastonia Electric Department, the oil in the leaking transformers was be sampled and determined to be PCB-free. Due to the small amount of staining observed the transformer oil leak is considered a *de minimis* environmental condition. Because no leaks or stains were observed in the vicinity of the other transformers, it is unlikely that they pose an environmental concern.

Hydraulic equipment formerly in use at the facility, and some of this equipment appeared to have leaked as noted previously. Facility personnel reported that none of the equipment used onsite utilized hydraulic fluid containing polychlorinated biphenyls (PCBs) and that all liquid-PCB-containing equipment belonging to Wix was identified and removed in the 1990s.

Facility personnel did not know whether PCB-containing ballasts had been used at the site. Based on the age of fluorescent light fixture observed in some portions of the facility, it appears likely that PCB-containing light ballasts are present. Based on the age of the facility, it is possible that PCB-containing caulking or coatings are present. Facility personnel were not aware of the presence of any PCB-containing materials at the facility.

WSP did not identify any recognized environmental conditions with respect to PCBs at the subject property.

2.4.7 Asbestos

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 onsite inspection, WSP observed thermal system insulation, floor tiles, and roofing materials, which are building materials that may contain asbestos. In addition, the facility was constructed between 1880 and 1970 when asbestos-containing material (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.

A limited asbestos survey was conducted at the facility in March 2004 by Upstate Environmental Services, Inc. Based on the survey report, ACM including flooring, thermal insulation, ventilation system insulation, and asphaltic roofing, is present in the areas of the facility where samples were collected. WSP did not evaluate the survey for completeness or accuracy, and we cannot guarantee that the survey accurately characterizes site conditions. Wix should consider managing these materials in place using an operations and maintenance plan. In addition, Wix should consider the applicability of certain materials handling and disposal requirements before conducting any activities that would require repair or removal of the ACM.

3 Adjoining Properties

3.1 Present Uses

The Old Building is bordered immediately to the northeast by the vacant former Central Yarn and Dyeing site, followed by City of Gastonia Fire Station Number 6. The Pressroom and Can Line 8 Buildings are bordered to the southwest by a small office building and retail businesses. The subject property is bordered to the northwest by East Ozark Avenue, followed by commercial and residential development; and to the southeast by East Airline Avenue, followed by the Norfolk Southern railway, a small Amtrak station and industrial facilities. The nearest residence is located across East Ozark Avenue to the northwest of the site.

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

No recognized environmental conditions that may affect the subject property were identified at adjacent properties. Additionally, none of the adjacent properties identified by the regulatory database search have been affected by onsite releases.

3.2 Past Uses

Based on historical fire insurance maps, the former Central Yarn and Dyeing facility was part of the Ozark Mill property until the 1930s or 1940s, and is labeled as spinning and twisting operations. The site is labeled as Central Yarn and Dyeing in maps from 1950 and 1963. The former Central Yarn and Dyeing facility was not listed in any of the government records reviewed by WSP. According to facility personnel, Central Yarn and Dyeing ceased industrial operations in the 1980s and the property was subsequently converted to residential use. This property is currently vacant.

The southern end of the subject property and the adjacent property to the southwest was originally developed with a mixture of textile warehouse facilities and residences.

The previous environmental report (RMT, Inc. 2004) did not indicate any environmental concerns at adjacent properties. 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 surrounding properties. No other historical sources regarding past uses of the surrounding 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 site of two 10,000-gallon fuel oil USTs that were permanently closed in July 2000. The database reports the tanks as removed, however facility personnel state that they were closed in place. No releases were reported from these tanks.
- The Resource Conservation and Recovery Act – Conditionally Exempt Small Quantity Generator (RCRA-CESQG) database lists the facility as a CESQG of hazardous waste with no treatment, storage, or disposal activities reported, and no violations identified.
- 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 south (upgradient) or in close proximity to the facility.

Nine sites within a 1-mile radius of the facility are listed on the databases searched by EDR. Three of the nine sites have not reported any releases or spills of hazardous substances or petroleum products. Four of the nine sites are listed on the leaking underground storage tank (LUST) database or Incident Management Database (IMD). These facilities have reported releases of petroleum products; however, all four of these incidents have been closed by the NCDENR. Thus, there is no evidence that these sites pose an environmental concern to the subject property. The remaining two sites are summarized below.

Dallas Machine Company, located at 610 East Airline Avenue, 0.6 mile southwest of the subject property, is listed on the Inactive Hazardous Sites Inventory (SHWS) and IMD databases. This facility had a release of petroleum and chlorinated solvents that was reported on June 28, 1994, and groundwater contamination has been discovered at the site, which prompted the listing on the IMD. The database report did not indicate whether sampling has been conducted at adjacent properties or if a corrective action plan had been implemented, but classified the response as being in the follow up phase. Due to the distance of the Dallas Machine Company site from the subject property, the groundwater contamination at the site is not likely to have affected the subject property and, therefore, is not considered to be a recognized environmental condition.

The former Klutz Foundry, located at 711 East Franklin Boulevard, 0.7 mile southwest of the subject property, is listed on the Leaking Aboveground Storage Tank (LAST), SHWS and IMD databases. This facility had a release of unspecified organic compounds that was reported on August 19, 2003, and groundwater contamination has been

discovered at the site, which prompted the listing on the IMD. The database report did not indicate whether sampling has been conducted at adjacent properties or if a corrective action plan had been implemented, but classified the response as being in the follow up phase. Due to the distance of the Kluttz Foundry site from the subject property, the groundwater contamination at the site is not likely to have affected the subject property and, therefore, is not considered to be a recognized environmental condition.

Twenty-six 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. Ten of the 26 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 14 of the remaining 16 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 a LUST and a LAST site, 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 D. Thompson, Assistant Fire Chief, City of Gastonia Fire Department. According to Chief Thompson, no hazardous material incidents have occurred at the subject property since the department began keeping records in 2007.

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 Keith Clark regarding the following:

- Environmental clean-up liens that are filed or recorded against the site – Mr. Clark 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 – Mr. Clark indicated there were no known activity or land use limitations.

-
- Specialized knowledge or experience – Mr. Clark 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 – Mr. Clark 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 – Mr. Clark 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:

- A layer of grey ash or cinders is reportedly present under the basement floorboards of the Old Building. Based on the description provided, it may be historic fill that was used during construction of the Old Building in the 1880s. Coal ash was historically used in fill material and has the potential to contain heavy metals. Its presence beneath the building is therefore considered to be a recognized environmental condition at the subject property.
- Historically, two in-ground hydraulic systems were present in the basement room adjacent to the freight elevator. According to facility personnel, the cylinders of these systems had been removed and the resulting shafts filled with sand. The shaft opening located closer to the freight elevator was surrounded by an approximately 100 square-foot stain, and a puddle of tainted water (consistent with oil) was standing in the shaft about one foot below floor level. The hydraulic system for the freight elevator included an oil tank located in a small room open to the back wall of the elevator shaft. The tank appeared to be of recent construction and was in good condition, however, the interior of the freight elevator shaft showed staining on the floor and on the wall adjacent to tank, indicating that hydraulic fluid releases may have occurred. WSP concludes that the observed staining and tainted water in the former hydraulic shaft indicate the potential for sub-floor petroleum contamination, and so is a recognized environmental condition.
- According to facility personnel and historical records, no septic systems or cesspools have ever been present onsite and none were observed. All wastewater streams are discharged directly to the municipal sewer system. According to the City of Gastonia Utilities Department, public sewers were first installed in the vicinity of the facility in about 1920, and it is therefore likely that a septic system or cesspit was in use on the property between 1880 and the early 1920s, and possibly later. The presence of onsite disposal system such as a septic system or cesspit at an industrial facility indicates a recognized environment condition at the subject property.

6.2 Historical Recognized Environmental Conditions

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

- Two 10,000-gallon Number 5 fuel oil USTs were located in the service yard on the southwest side of the property between the Old Building and the New Building. These USTs were closed in place on July 31, 2000. No releases from the tanks were reported. According to government databases and a previous Phase I report, NCDENR considers the tanks permanently closed.

6.3 *De minimis* Conditions

WSP identified the following *de minimis* conditions in connection with the subject property:

- Staining and standing liquid consistent with oil was observed on the floor surrounding the remaining equipment in the Can Line 8 Building. The floor in the area of the staining showed significant wear and some cracks.
- Approximately 20 square feet of stained concrete was observed surrounding an air compressor located in the compressor room on the northwest side of the Old Building. The concrete under the compressor appeared to be in good condition.
- Several small stained areas were observed in the “quarantine” area of the basement of the New Building.

- The area around the parking lot loading dock includes a trench drain and sump that reportedly collected mop water from facility maintenance, oil dripping from the scrap metal bin, and debris from the area. This containment system was installed in 2000. The trench and pavement near the trench was observed to be stained at the time of the site inspection.

7 Conclusions and Recommendations

WSP conducted a Phase I environmental site assessment of the Wix Filtration Corporation facility located at 1301 East Ozark Avenue 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:

- A layer of grey ash or cinders is reportedly present under the basement floorboards of the Old Building. Based on the description provided, it may be historic fill that was used during construction of the Old Building in the 1880s. Coal ash was historically used in fill material and has the potential to contain heavy metals. Its presence beneath the building is therefore considered to be a recognized environmental condition at the subject property.
- Historically, two in-ground hydraulic systems were present in the basement room adjacent to the freight elevator. According to facility personnel, the cylinders of these systems had been removed and the two resulting shafts filled with sand. The shaft opening located closer to the freight elevator was surrounded by an approximately 100 square-foot stain, and a puddle of tainted water (consistent with oily water) was standing in the shaft about one foot below floor level. The hydraulic system for the freight elevator included an oil tank located in a small room open to the back wall of the elevator shaft. The tank appeared to be of recent construction and was in good condition, however, the interior of the freight elevator shaft showed staining on the floor and on the wall adjacent to tank, indicating potential hydraulic fluid releases had occurred. WSP concludes that the observed staining and tainted water in the former hydraulic shaft indicate the potential for sub-floor petroleum contamination, and is a recognized environmental condition.
- Public sewers were first installed in the vicinity of the facility in about 1920, and it is therefore likely that wastewater was discharged to surface water, or that a septic system or cesspit was in use on the property between 1880 and the early 1920s, and possibly later. The presence of onsite surface water discharge or an onsite disposal system such as a septic system or cesspit at an industrial facility indicates a recognized environment condition at the subject property.

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

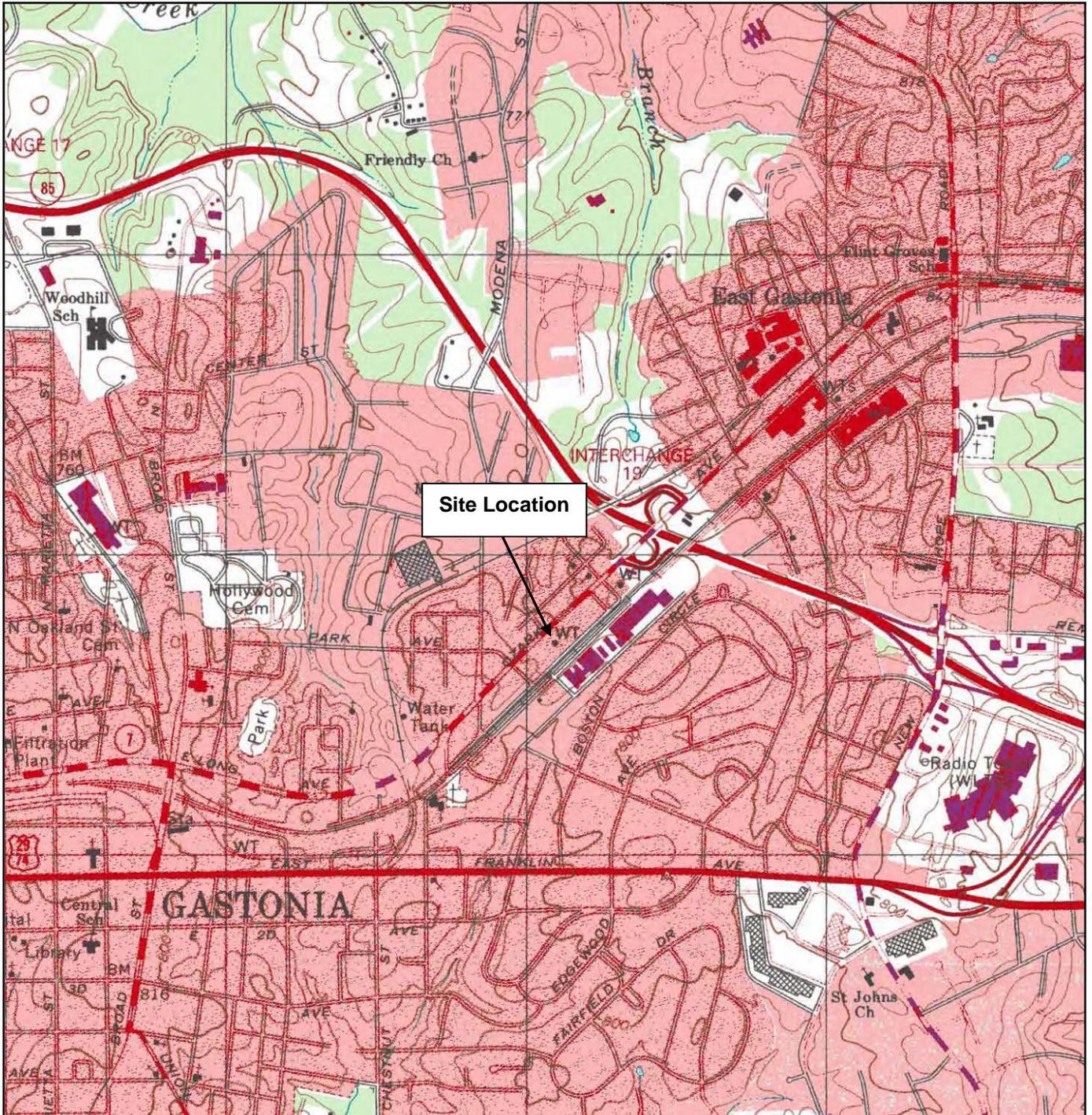
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9 Acronym List

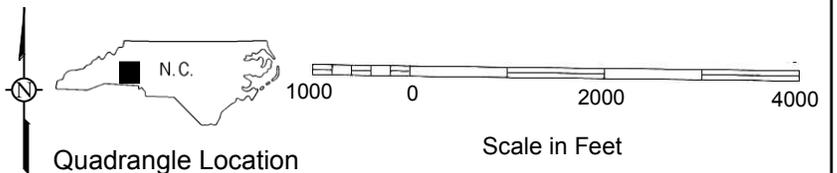
AAI	all appropriate inquiries
ACM asb	bestos-containing material
AST aboveg	round storage tank
ASTM	American Society for Testing and Materials
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESQG	Conditionally exempt small quantity generator
CFR	Code of Federal Regulations
EDR Environmental	Data Resources, Inc.
EHS Environmental	Health and Safety
EPA	U.S. Environmental Protection Agency
FINDS	Facility Index System database
GIS geog	raphic information system
IMD	incident management database
LAST	leaking aboveground storage tank
LUST	leaking underground storage tank
NAICS	North American Industry Classification System
NCDENR	North Carolina Department of Environmental and Natural Resources
NC-FITS	North Carolina - Facility Identification Template for States
OSHA	Occupational Safety and Health Administration
PCBs polychl	orinated biphenyls
POTW	publicly owned treatment works
RCRA-CESQG	Resource Conservation and Recovery Act – Conditionally Exempt Small Quantity Generator
SHWS	Inactive Hazardous Sites Inventory
SIC	standard industrial classification
USFWS	U.S. Fish and Wildlife Service
UST unde	rground storage tank

Figures



Reference

7.5 Minute Series Topographic Quadrangle
 Gastonia North, North Carolina
 Photorevised 2002 Scale 1:24,000

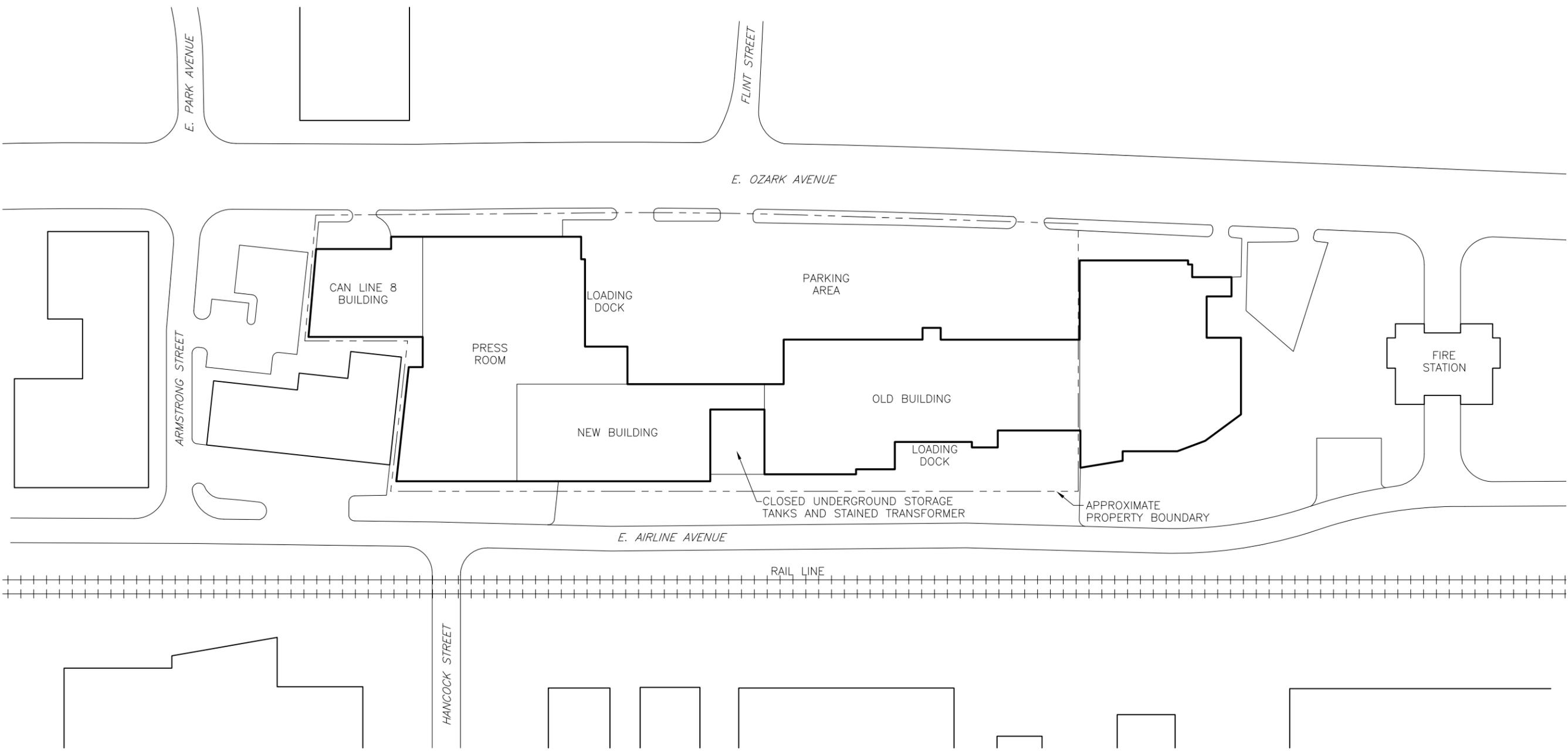


WSP Environment & Energy
 11190 Sunrise Valley Drive
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 703-709-6500

Figure 1
Site Location
Ozark Plant
Gastonia, North Carolina

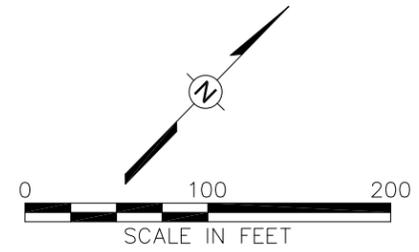
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 Checked: JEB 10/15/2012
 Approved: MP 10/15/2012
 DWG Name: 00028686-001

1301 E OZARK AVENUE
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA
 ANN ARBOR, MICHIGAN

Figure 2
 SITE LAYOUT

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 Reston, Virginia 20191
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 www.wspenvironmental.com/usa

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; a recognized environmental condition 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

1301 East Ozark Avenue

28686.00

Photo No.

Date

1

October 4, 2012

Front of subject building



Photo No.

Date

2

October 4, 2012

**Northwest side of building
from the south.**



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

3

Date

October 4, 2012

**Northwest side of building
form southern end**



Photo No.

4

Date

October 4, 2012

**Southwest end of the subject
building.**



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

5

Date

October 4, 2012

Alleyway between Pressroom area and adjacent property to the southwest.



Photo No.

6

Date

October 4, 2012

Southeast side of the building, southern end.



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

7

Date

October 4, 2012

Utility yard between the Old Building and the New Building.



Photo No.

8

Date

October 4, 2012

Southeast side of the building, northern end.



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

Date

9

October 4, 2012

Adjacent property to the northeast.



Photo No.

Date

10

October 4, 2012

Loading dock, southeast side of old building.



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

11

Date

October 4, 2012

**Northern end of old building
and wall shared with
adjacent property.**



Photo No.

12

Date

October 4, 2012

**Parking lot loading dock
drains and sump**



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

13

Date

October 4, 2012

Former hydraulic oil tank



Photo No.

14

Date

October 4, 2012

Transformer at southwest corner of the building. Oil staining is visible on the left side.



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

15

Date

October 4, 2012

Building roofs

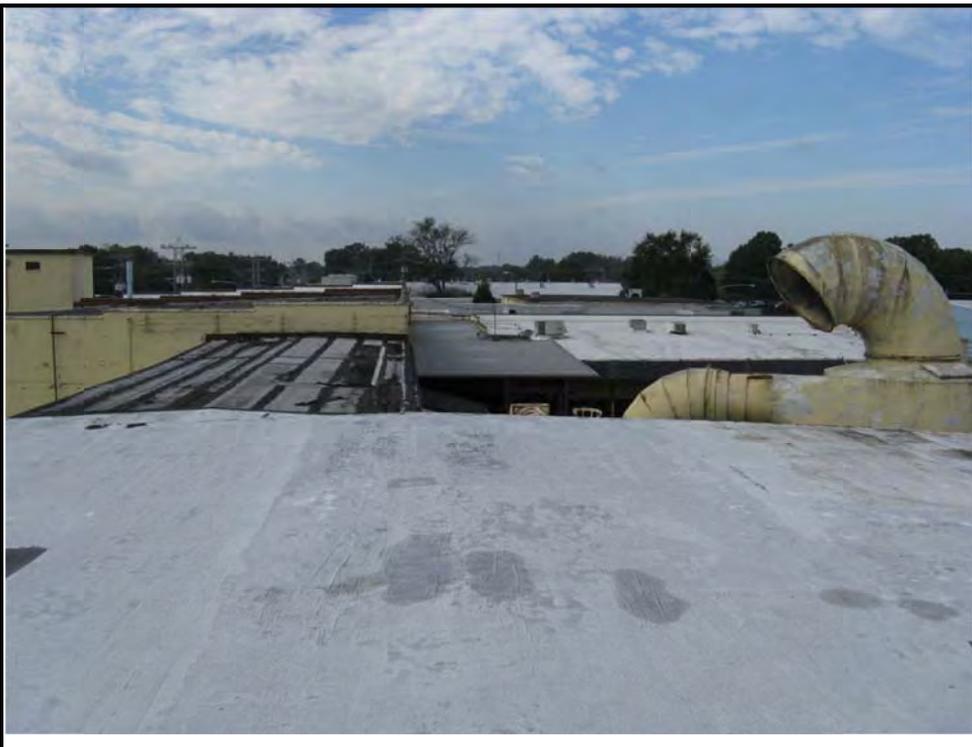


Photo No.

16

Date

October 4, 2012

Looking northeast



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

17

Date

October 4, 2012

Looking northwest



Photo No.

18

Date

October 4, 2012

Looking southeast



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

Date

19

October 4, 2012

Hydraulic shaft and freight elevator area, basement of Old Building



Photo No.

Date

20

October 4, 2012

Oily water in former hydraulic shaft



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

21

Date

October 4, 2012

Old Building basement



Photo No.

22

Date

October 4, 2012

Can line 8 Building interior



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

23

Date

October 4, 2012

Oil staining around air compressor



Photo No.

24

Date

October 4, 2012

Boiler room



PHOTOGRAPHIC LOG

Affinia

1301 East Ozark Avenue

28686.00

Photo No.

25

Date

October 4, 2012

Former thermoset line floor sump.



Photo No.

26

Date

October 4, 2012

Former chemical storage room.



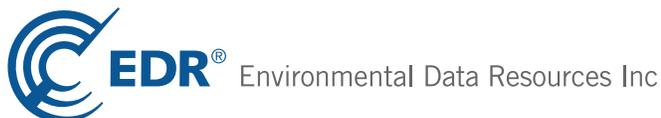
Appendix D – Environmental Database Report

Ozark Plant

1301 East Ozark AVE
Gastonia, NC 28054

Inquiry Number: 03421831.1r
October 01, 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

1301 EAST OZARK AVE
GASTONIA, NC 28054

COORDINATES

Latitude (North): 35.2694000 - 35° 16' 9.84"
Longitude (West): 81.1638000 - 81° 9' 49.68"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 485101.8
UTM Y (Meters): 3902733.0
Elevation: 809 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property 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 DANA CORPORATION OZARK PLANT 1301 E OZARK AVE GASTONIA, NC 28054	RCRA-CESQG FINDS	NCD003153301
DANA WIX CORPORATION OZARK PLANT 1301 EAST OZARK AVENUE GASTONIA, NC 28052	UST	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 CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

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-SQG..... RCRA - Small Quantity Generators

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 - equivalent NPL

NC HSDS..... Hazardous Substance Disposal Site

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

SWF/LF..... List of Solid Waste Facilities

EXECUTIVE SUMMARY

OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tanks
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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
HIST LF..... Solid Waste Facility Listing
SWRCY..... Recycling Center 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

DOT OPS..... Incident and Accident Data

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
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
2020 COR ACTION.....	2020 Corrective Action Program List
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
EPA WATCH LIST.....	EPA WATCH LIST
US FIN ASSUR.....	Financial Assurance Information
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Sites
PRP.....	Potentially Responsible Parties
COAL ASH DOE.....	Steam-Electric Plant Operation Data

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

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 05/25/2012 has revealed that there are 2 SHWS sites 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>
DALLAS MACHINE COMPANY	610 E. AIRLINE AVE	SW 1/2 - 1 (0.626 mi.)	12	30
KLUTTZ FOUNDRY, FORMER	711 EAST FRANKLIN BLVD	SW 1/2 - 1 (0.739 mi.)	13	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 08/10/2012 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ZULU EXPRESS Incident Phase: Closed Out	1402 E. OZARK AVENUE	NE 1/8 - 1/4 (0.168 mi.)	B5	13
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTERN CORPORATION Incident Phase: Closed Out Incident Phase: Closed Out	601 N. MODENA ST.	NW 1/4 - 1/2 (0.259 mi.)	C8	17
AMERICA CHARTERS, LTD. Incident Phase: Closed Out	1615 EAST OZARK AVENUE	NE 1/4 - 1/2 (0.396 mi.)	D10	25
HERMAN REEVES SHEET METAL, INC Incident Phase: Closed Out	1617 E. OZARK AVE	NE 1/4 - 1/2 (0.397 mi.)	D11	27

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 07/16/2012 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>
WESTERN CORPORATION	601 N. MODENA ST.	NW 1/4 - 1/2 (0.259 mi.)	C8	17

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 08/10/2012 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ZULA EXPRESS	1402 EAST OZARK	NE 1/8 - 1/4 (0.168 mi.)	B6	15
PAPER STOCK DEALERS, INC.	1003 E. LINCOLN AVENUE	WNW 1/8 - 1/4 (0.221 mi.)	7	17

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the RCRA-NonGen list, as provided by EDR, and dated 03/15/2012 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SPORTS PAGES</i>	<i>1236 INDUSTRIAL AVE</i>	<i>SSE 1/8 - 1/4 (0.134 mi.)</i>	<i>3</i>	<i>10</i>
<i>SOUTHERN SPECIALTY PRINTING</i>	<i>1202 E INDUSTRIAL AVE</i>	<i>S 1/8 - 1/4 (0.151 mi.)</i>	<i>4</i>	<i>12</i>

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 3 IMD sites within approximately 0.5 miles of the target property.

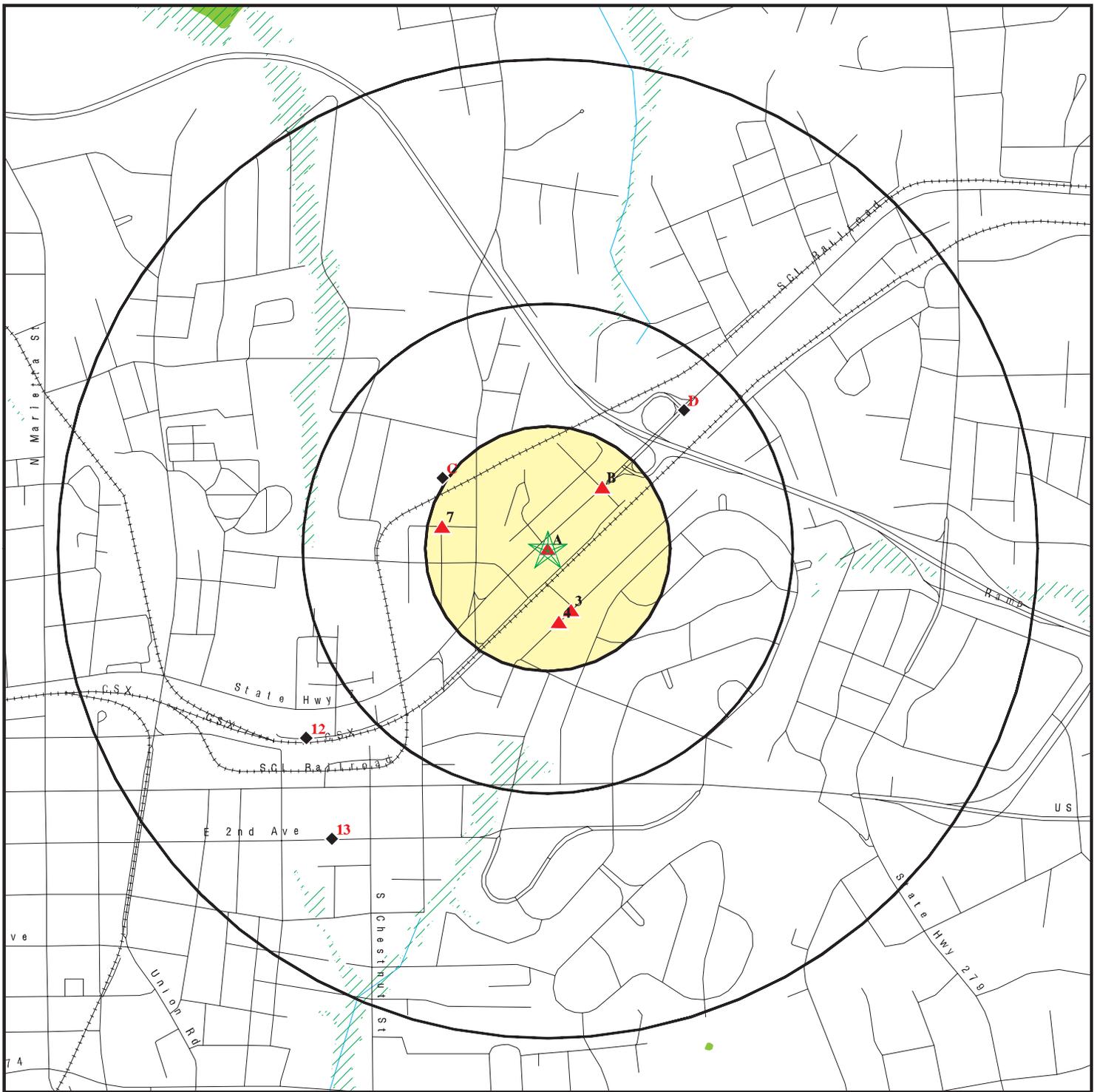
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTVACO 2	601 N. MODENA STREET	NW 1/4 - 1/2 (0.259 mi.)	C9	23
<i>AMERICA CHARTERS, LTD.</i>	<i>1615 EAST OZARK AVENUE</i>	<i>NE 1/4 - 1/2 (0.396 mi.)</i>	<i>D10</i>	<i>25</i>
<i>HERMAN REEVES SHEET METAL, INC</i>	<i>1617 E. OZARK AVE</i>	<i>NE 1/4 - 1/2 (0.397 mi.)</i>	<i>D11</i>	<i>27</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 26 records.

<u>Site Name</u>	<u>Database(s)</u>
HARWELL ROAD SEPTIC PIT	CERCLIS-NFRAP,PRP
IMPACT PLASTICS	IMD,LAST
UNITED OIL TANKER SPILL	LAST
KEENER RESIDENCE	IMD,LAST
STATELINE SCRAP METHAL	HWS,LAST
SERVCO NO. 2011 / CARSON RD.	IMD,LAST
GASTONIA INDUSTRIAL TRUCK	CERCLIS-NFRAP,HWS
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 - 03421831.1r



★ Target Property

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

◆ Sites at elevations lower than the target property

▲ Manufactured Gas Plants

■ National Priority List Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

■ Oil & Gas pipelines from USGS

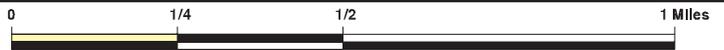
■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

■ Hazardous Substance Disposal Sites

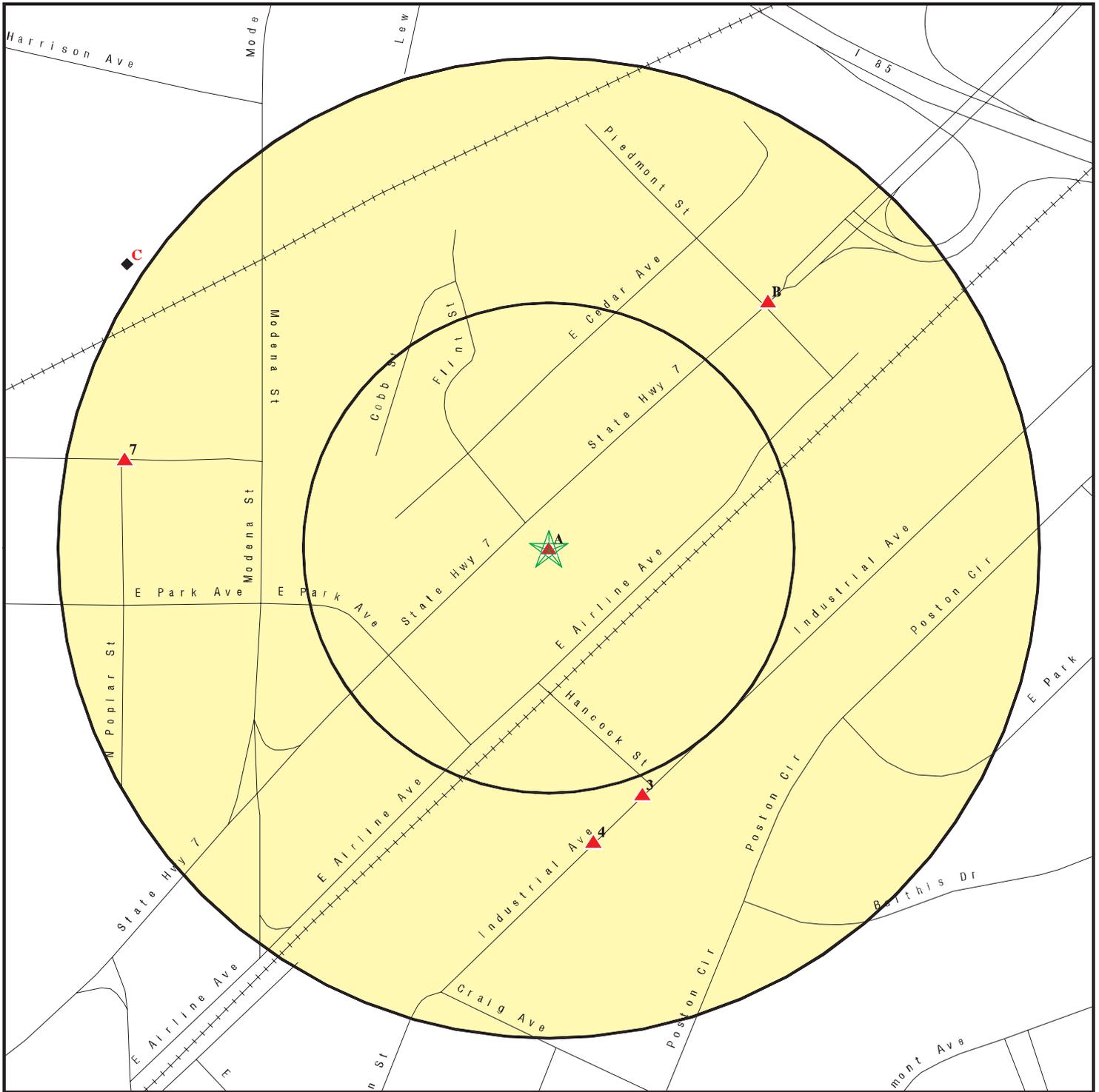


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ozark Plant
 ADDRESS: 1301 East Ozark AVE
 Gastonia NC 28054
 LAT/LONG: 35.2694 / 81.1638

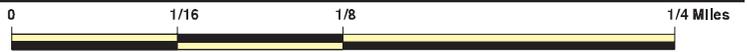
CLIENT: WSP Environment & Energy
 CONTACT: Frank Giles
 INQUIRY #: 03421831.1r
 DATE: October 01, 2012 1:43 pm

DETAIL MAP - 03421831.1r



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

-  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: Ozark Plant
 ADDRESS: 1301 East Ozark AVE
 Gastonia NC 28054
 LAT/LONG: 35.2694 / 81.1638

CLIENT: WSP Environment & Energy
 CONTACT: Frank Giles
 INQUIRY #: 03421831.1r
 DATE: October 01, 2012 1:46 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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<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	0	NR	NR	0
<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		0	0	NR	NR	NR	0
RCRA-CESQG	0.250	1	0	0	NR	NR	NR	1
<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	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	2	NR	2
<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		0	1	3	NR	NR	4

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	1	0	2	NR	NR	NR	3
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								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	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	2	NR	NR	NR	2
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		0	0	3	NR	NR	3
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
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000		0	0	0	0	NR	0
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

WIX DANA CORPORATION OZARK PLANT
1301 E OZARK AVE
GASTONIA, NC 28054

RCRA-CESQG **1004548753**
FINDS **NCD003153301**

Site 1 of 2 in cluster A

Actual:
809 ft.

RCRA-CESQG:
Date form received by agency: 01/10/2012
Facility name: WIX FILTRATION CORP - OZARK PLANT
Facility address: 1301 E OZARK AVE
GASTONIA, NC 280543267
EPA ID: NCD003153301
Mailing address: PO BOX 1900
GASTONIA, NC 28053
Contact: CARRIE NGUYEN
Contact address: PO BOX 1900
GASTONIA, NC 28053
Contact country: US
Contact telephone: 704-869-3551
Contact email: CARRIE.NGUYEN@AFFINIAGROUP.COM
EPA Region: 04
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: CYPRESS GROUP
Owner/operator address: TECHNOLOGY DR
ANN ARBOR, MI 48108
Owner/operator country: US
Owner/operator telephone: Not reported
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
Owner/operator address: PO BOX 1900
GASTONIA, NC 28053
Owner/operator country: US
Owner/operator telephone: 704-869-3551
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/2004
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIX DANA CORPORATION OZARK PLANT (Continued)

1004548753

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: 03/03/2010
Facility name: WIX FILTRATION CORP - OZARK PLANT
Site name: WIX FILTRATION CORP
Classification: Small Quantity Generator

Date form received by agency: 11/19/1998
Facility name: WIX FILTRATION CORP - OZARK PLANT
Site name: DANA CORPORATION WIX DIV OZARK
Classification: Conditionally Exempt 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.

Violation Status: No violations found

FINDS:

Registry ID: 110001494570

Environmental Interest/Information System

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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WIX DANA CORPORATION OZARK PLANT (Continued)

1004548753

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

**A2
Target
Property**

**DANA WIX CORPORATION OZARK PLANT
1301 EAST OZARK AVENUE
GASTONIA, NC 28052**

**UST U003136490
N/A**

Site 2 of 2 in cluster A

**Actual:
809 ft.**

UST:
Contact: DANA WIX CORPORATION OZARK PLANT
Contact Address1: 1301 EAST OZARK AVENUE
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: 10000
Perm Close Date: 07/31/2000
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: 35.26905
Longitude: 81.16341

Installed Date: 03/06/1975
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Fuel Oil
Tank Status: Removed
Tank Capacity: 10000
Perm Close Date: 07/31/2000
Commercial: Yes
Regulated: No
Product Key: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DANA WIX CORPORATION OZARK PLANT (Continued)

U003136490

Tank Construction: Steel
Piping Construction: FRP
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 35.26905
Longitude: 81.16341

3
SSE
1/8-1/4
0.134 mi.
709 ft.

SPORTS PAGES
1236 INDUSTRIAL AVE
GASTONIA, NC 28054

RCRA-NonGen **1000889090**
FINDS **NC0000187880**

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 08/20/1997
Facility name: SPORTS PAGES
Facility address: 1236 INDUSTRIAL AVE
GASTONIA, NC 28054
EPA ID: NC0000187880
Mailing address: PO BOX 2351
GASTONIA, NC 28053
Contact: MICKY JONES
Contact address: 1236 INDUSTRIAL AVE
GASTONIA, NC 28054
Contact country: US
Contact telephone: (704) 853-0100
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
816 ft.

Owner/Operator Summary:

Owner/operator name: ALEX J KELLER
Owner/operator address: 1236 INDUSTRIAL AVE
GASTONIA, NC 28054
Owner/operator country: Not reported
Owner/operator telephone: (803) 831-2195
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SPORTS PAGES (Continued)

1000889090

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

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.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.34(d)(5)(ii)(iii)
Area of violation: Generators - Pre-transport
Date violation determined: 06/20/1995
Date achieved compliance: 07/14/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/20/1995
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: 07/14/1995
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/14/1995
Evaluation lead agency: State

Evaluation date: 06/20/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/14/1995
Evaluation lead agency: State

FINDS:

Registry ID: 110004012880

Environmental Interest/Information System

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4
South
1/8-1/4
0.151 mi.
799 ft.

SOUTHERN SPECIALTY PRINTING
1202 E INDUSTRIAL AVE
GASTONIA, NC 28054

RCRA-NonGen 1000408086
FINDS NCD982137622

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 12/03/2003
Facility name: SOUTHERN SPECIALTY PRINTING
Facility address: 1202 E INDUSTRIAL AVE
GASTONIA, NC 28054
EPA ID: NCD982137622
Mailing address: PO BOX 1968
GASTONIA, NC 28054
Contact: JIM MCABEE
Contact address: PO BOX 1968
GASTONIA, NC 28054
Contact country: US
Contact telephone: (704) 864-5484
Contact email: Not reported
EPA Region: 04
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:
811 ft.

Owner/Operator Summary:

Owner/operator name: ALBERT RICHARD MORRIS
Owner/operator address: PO BOX 1986
GASTONIA, NC 28054
Owner/operator country: Not reported
Owner/operator telephone: (704) 865-1092
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Historical Generators:

Date form received by agency: 08/14/2000
Facility name: SOUTHERN SPECIALTY PRINTING
Classification: Small Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHERN SPECIALTY PRINTING (Continued)

1000408086

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: 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.

Violation Status: No violations found

FINDS:

Registry ID: 110004034704

Environmental Interest/Information System

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

B5
NE
1/8-1/4
0.168 mi.
889 ft.

ZULU EXPRESS
1402 E. OZARK AVENUE
GASTONIA, NC 28052
Site 1 of 2 in cluster B

LUST S110630037
N/A

Relative:
Higher

LUST:
Facility ID: Not reported
UST Number: MO-7503
Incident Number: 36168
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 10/30/2006
Date Occur: 10/06/2006
Cleanup: Not reported
Closure Request: Not reported
Close Out: 11/08/2006
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L

Actual:
814 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZULU EXPRESS (Continued)

S110630037

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 Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 325
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 16 15.9 81 9 44.52
Lat/Long Decimal: 35.2710 81.16237
Testlat: Not reported
Regional Officer Project Mgr: BCN
Region: Mooresville
Company: BREWER-HENDLEY OIL COMPANY
Contact Person: CALVIN GORDON
Telephone: 7042895823
RP Address: 417 CROW STREET
RP City,St,Zip: MONROE, NC 28112
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:

Facility Id: 36168
Date Occurred: 10/6/2006
Date Reported: 10/30/2006
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: Not reported
Type: 4
Location: 1
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: S
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ZULU EXPRESS (Continued)

S110630037

Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	Not reported
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:	Not reported
Close-out Report:	Not reported

B6
NE
1/8-1/4
0.168 mi.
889 ft.

ZULA EXPRESS
1402 EAST OZARK
GASTONIA, NC 28054
Site 2 of 2 in cluster B

UST U003144919
N/A

Relative:
Higher

UST:
 Contact: TEWELDEBRHAN Y. MEDHANIE
 Contact Address1: PO BOX 769
 Contact Address2: Not reported
 Contact City/State/Zip: MARSHVILLE, NC 28103-0769
 Installed Date: 03/01/1968
 Root Tank Id: Not reported
 Main Tank: 0
 Compartment Tank: 0
 Manifold Tank: 0
 Product Name: Gasoline, Gas Mix
 Tank Status: Current
 Tank Capacity: 10000
 Perm Close Date: Not reported
 Commercial: Yes
 Regulated: Yes
 Product Key: 3
 Tank Construction: Steel
 Piping Construction: Copper
 Piping System Key: 3
 Other CP Tank: Not reported
 FIPS County Desc: Gaston
 Latitude: 35.45362
 Longitude: -81.27278

Actual:
814 ft.

Installed Date: 05/04/1971
 Root Tank Id: Not reported
 Main Tank: 0
 Compartment Tank: 0
 Manifold Tank: Not reported
 Product Name: Oil, New/Used/Mix
 Tank Status: Temporarily Closed
 Tank Capacity: 550
 Perm Close Date: Not reported
 Commercial: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ZULA EXPRESS (Continued)

U003144919

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:	35.45362
Longitude:	-81.27278
Installed Date:	03/01/1968
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Gaston
Latitude:	35.45362
Longitude:	-81.27278
Installed Date:	07/01/1970
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:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Gaston
Latitude:	35.45362
Longitude:	-81.27278

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

7
WNW
1/8-1/4
0.221 mi.
1165 ft.

PAPER STOCK DEALERS, INC.
1003 E. LINCOLN AVENUE
GASTONIA, NC 28054

UST **U003136005**
N/A

Relative:
Higher

UST:
Contact: PAPER STOCK DEALERS, INC
Contact Address1: 1003 E LINCOLN AVE
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28054
Installed Date: 04/05/1971
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: 1000
Perm Close Date: 07/30/1990
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: Aluminum
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Actual:
824 ft.

C8
NW
1/4-1/2
0.259 mi.
1367 ft.

WESTERN CORPORATION
601 N. MODENA ST.
GASTONIA, NC 28052

LUST **U003136052**
LUST TRUST **N/A**
UST

Site 1 of 2 in cluster C

Relative:
Lower

LUST:
Facility ID: 0-015285
UST Number: MO-3936
Incident Number: 11214
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 11/08/1993
Date Occur: 03/24/1993
Cleanup: 03/24/1993
Closure Request: Not reported
Close Out: 01/04/2007
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: 11/15/1993
Site Priority: E
Phase Of LSA Req: Not reported

Actual:
800 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CORPORATION (Continued)

U003136052

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: 3
RPL: False
CD Num: 325
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: True
Lat/Long: 35 16 18.54 81 10 .66
Lat/Long Decimal: 35.2718 81.16684
Testlat: Not reported
Regional Officer Project Mgr: BCN
Region: Mooresville
Company: WESTVACO
Contact Person: JOHN RULANDER
Telephone: Not reported
RP Address: 601 NORTH MODENA RD
RP City,St,Zip: GASTONIA, NC 28052
RP County: Not reported
Comments: NHR - NO WATER SUPPLY WELLS OBSERVED DURING WINDSHIELD RECEPTOR SURVEY CONDUCTED ON 5/2/05 - BCN
5 Min Quad: Not reported

PIRF:

Facility Id: 11214
Date Occurred: 3/24/1993
Date Reported: 11/15/1993
Description Of Incident: MINOR SOIL CONTAM. CONFIRMED DURING TANK REMOVAL.
Owner/Operator: JOHN RULANDER
Ownership: 4
Operation Type: 6
Type: 5
Location: 1
Site Priority: E
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CORPORATION (Continued)

U003136052

Last Modified:	Not reported
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:	Not reported
Close-out Report:	Not reported
Facility ID:	0-015285
UST Number:	MO-4217
Incident Number:	12995
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	09/30/1994
Date Occur:	09/30/1994
Cleanup:	09/30/1994
Closure Request:	1998-11-17 00:00:00
Close Out:	11/17/1998
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON 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:	Yes
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	325
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Not reported
Valid:	False
Lat/Long:	35 16 18.66 81 10 5.88
Lat/Long Decimal:	35.2718 81.16831
Testlat:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CORPORATION (Continued)

U003136052

Regional Officer Project Mgr: PRD
Region: Mooresville
Company: WESTVACO
Contact Person: JOHN RULANDER
Telephone: Not reported
RP Address: 601 NORTH MODENA RD
RP City,St,Zip: GASTONIA, NC 28052
RP County: GS
Comments: NO PUBLIC NOTICE NOT COMPLETED (8/25/03)
5 Min Quad: Not reported

PIRF:

Facility Id: 12995
Date Occurred: 8/2/1994
Date Reported: 12/5/1994
Description Of Incident: CONTAM. FOUND IN SOIL DURING UST REMOVAL.
Owner/Operator: JOHN RULANDER
Ownership: 4
Operation Type: 6
Type: 4
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: 1
Pirf/Min Soil: Not reported
Release Code: Q70T
Source Code: Pirf
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 11/23/1998
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: 11/17/1998
Close-out Report: 11/17/1998

LUST TRUST:

Facility ID: 0-015285
Site ID: 12995
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Low
Deductable Amount: 0
3rd Party Deductable Amt: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CORPORATION (Continued)

U003136052

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.

UST:

Contact: WESTVACO
Contact Address1: 601 N. MODENA ST.
Contact Address2: Not reported
Contact City/State/Zip: GASTONIA, NC 28052
Installed Date: 05/08/1955
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Other, Petroleum
Tank Status: Removed
Tank Capacity: 10000
Perm Close Date: 03/31/1988
Commercial: Yes
Regulated: Yes
Product Key: 18
Tank Construction: Steel
Piping Construction: Aluminum
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/05/1966
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Other, Hazardous
Tank Status: Removed
Tank Capacity: 1000
Perm Close Date: 07/11/1986
Commercial: Yes
Regulated: Yes
Product Key: 16
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: 04/30/1986
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Diesel
Tank Status: Removed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTERN CORPORATION (Continued)

U003136052

Tank Capacity: 10000
Perm Close Date: 04/01/1993
Commercial: Yes
Regulated: Yes
Product Key: 1
Tank Construction: Concrete
Piping Construction: Aluminum
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/05/1966
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: 500
Perm Close Date: 07/11/1986
Commercial: Yes
Regulated: Yes
Product Key: 3
Tank Construction: Steel
Piping Construction: Aluminum
Piping System Key: 1
Other CP Tank: Not reported
FIPS County Desc: Gaston
Latitude: 0
Longitude: 0

Installed Date: 05/08/1955
Root Tank Id: Not reported
Main Tank: 0
Compartment Tank: 0
Manifold Tank: Not reported
Product Name: Fuel Oil
Tank Status: Removed
Tank Capacity: 20000
Perm Close Date: 08/02/1994
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

C9
NW
1/4-1/2
0.259 mi.
1367 ft.

WESTVACO 2
601 N. MODENA STREET
GASTONIA, NC

Site 2 of 2 in cluster C

IMD S101524931
N/A

Relative:
Lower

IMD:

Actual:
800 ft.

Region: MOR
Facility ID: 11214
Date Occurred: 3/24/1993
Submit Date: 11/15/1993
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: MINOR SOIL CONTAM. CONFIRMED DURING TANK REMOVAL.
Operator: JOHN RULANDER
Contact Phone: Not reported
Owner Company: WESTVACO
Operator Address: 601 NORTH MODENA RD
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28052
Ownership: Private
Operation: Commercial
Material: WASTE OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: KDW
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: 35.2717
Longitude: -81.1663
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: 3
Agency: DWM
Facility ID: 11214
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTVACO 2 (Continued)

S101524931

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Region: MOR
Facility ID: 12995
Date Occurred: 9/30/1994
Submit Date: 12/5/1994
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: CONTAM. FOUND IN SOIL DURING UST REMOVAL.
Operator: JOHN RULANDER
Contact Phone: Not reported
Owner Company: WESTVACO
Operator Address: 601 NORTH MODENA RD
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28052
Ownership: Private
Operation: Commercial
Material: #6 FUEL OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: PRD
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: Q70T
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: 12995
Last Modified: 11/23/1998
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

WESTVACO 2 (Continued)

S101524931

RS Designation: Not reported
Closure Request Date: 11/17/1998
Close-out Report: 11/17/1998

D10
NE
1/4-1/2
0.396 mi.
2093 ft.

AMERICA CHARTERS, LTD.
1615 EAST OZARK AVENUE
GASTONIA, NC

Site 1 of 2 in cluster D

IMD S105764850
LUST N/A

Relative:
Lower

IMD:

Actual:
792 ft.

Region: MOR
Facility ID: 19664
Date Occurred: 1/12/1999
Submit Date: 2/9/1999
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: LEAK FROM DIESEL UST DISPENSER
Operator: BILLY RAY RHYNE
Contact Phone: Not reported
Owner Company: AMERICA CHARTERS, LTD.
Operator Address: 1251 WEST CRAIGHEAD
Operator City: CHARLOTTE
Oper City, St, Zip: CHARLOTTE, NC 28054
Ownership: Private
Operation: Commercial
Material: DIESEL
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: 2/17/1999
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: 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: 19664
Last Modified: 8/6/1999
Incident Phase: Closed Out
NOV Issued: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICA CHARTERS, LTD. (Continued)

S105764850

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: 8/4/1999

LUST:

Facility ID: 0-026774
UST Number: MO-5590
Incident Number: 19664
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 01/12/1999
Date Occur: 01/12/1999
Cleanup: 01/12/1999
Closure Request: Not reported
Close Out: 08/04/1999
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: 1
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: 3
RPL: False
CD Num: 65
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35 16 26.64 81 9 27.42
Lat/Long Decimal: 35.2740 81.15761
Testlat: Not reported
Regional Officer Project Mgr: BCN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMERICA CHARTERS, LTD. (Continued)

S105764850

Region: Mooresville
Company: AMERICA CHARTERS, LTD.
Contact Person: BILLY RAY RHYNE
Telephone: Not reported
RP Address: 1251 WEST CRAIGHEAD
RP City,St,Zip: CHARLOTTE, NC 28054
RP County: ME
Comments: Not reported
5 Min Quad: Q69

PIRF:
Facility Id: 19664
Date Occurred: 1/12/1999
Date Reported: 2/9/1999
Description Of Incident: LEAK FROM DIESEL UST DISPENSER
Owner/Operator: BILLY RAY RHYNE
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: 2/17/1999
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
Source Code: MIN_SOIL
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 8/6/1999
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: Not reported
Close-out Report: 8/4/1999

D11
NE
1/4-1/2
0.397 mi.
2096 ft.

HERMAN REEVES SHEET METAL, INC
1617 E. OZARK AVE
GASTONIA, NC
Site 2 of 2 in cluster D

IMD S102328461
LUST N/A

Relative:
Lower

IMD:
Region: MOR
Facility ID: 15731
Date Occurred: 6/18/1996
Submit Date: 7/9/1996

Actual:
791 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HERMAN REEVES SHEET METAL, INC (Continued)

S102328461

GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: MINOR SOIL CONTAMINATION CONFIRMED UPON REMOVAL OF UST.
Operator: MR. MICHAEL CLAGG, PRESIDENT
Contact Phone: 704-865-2231
Owner Company: HERMAN REEVES SHEET METAL, INC
Operator Address: 1617 OZARK AVENUE
Operator City: GASTONIA
Oper City, St, Zip: GASTONIA, NC 28054
Ownership: Private
Operation: Industrial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: BCN
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: 35.29333333
Longitude: -81.15694444
Latitude Number: 351696
Longitude Number: 810925
Latitude Decimal: 35.29333333333333
Longitude Decimal: 81.15694444444444
GPS: NOD
Agency: DWM
Facility ID: 15731
Last Modified: 9/11/2001
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
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 8/28/2001

LUST:

Facility ID: 0-016134
UST Number: MO-4684
Incident Number: 15731

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HERMAN REEVES SHEET METAL, INC (Continued)

S102328461

Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 07/02/1996
Date Occur: 06/18/1996
Cleanup: 06/18/1996
Closure Request: 2001-08-27 00:00:00
Close Out: 08/27/2001
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
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 16 28.38 81 9 25.74
Lat/Long Decimal: 35.2745 81.15715
Testlat: Not reported
Regional Officer Project Mgr: BCN
Region: Mooresville
Company: HERMAN REEVES SHEET METAL, INC
Contact Person: MR. MICHAEL CLAGG, PRESIDENT
Telephone: 704-865-2231
RP Address: 1617 OZARK AVENUE
RP City,St,Zip: GASTONIA, NC 28054
RP County: GASTON
Comments: Not reported
5 Min Quad: Q39p

PIRF:

Facility Id: 15731
Date Occurred: 6/18/1996
Date Reported: 7/9/1996
Description Of Incident: MINOR SOIL CONTAMINATION CONFIRMED UPON REMOVAL OF UST.
Owner/Operator: MR. MICHAEL CLAGG, PRESIDENT

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

HERMAN REEVES SHEET METAL, INC (Continued)

S102328461

Ownership:	4
Operation Type:	5
Type:	3
Location:	1
Site Priority:	E
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:	9/11/2001
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 Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	8/28/2001

12
SW
 1/2-1
 0.626 mi.
 3307 ft.

DALLAS MACHINE COMPANY
610 E. AIRLINE AVE
GASTONIA, NC

SHWS **S101524828**
IMD **N/A**

Relative:
Lower

SHWS:
 Facility ID: NONCD0001585
 Lat/Longitude: Not reported
 Geolocation Method: Not reported

Actual:
797 ft.

IMD:
 Region: MOR
 Facility ID: 12633
 Date Occurred: 6/28/1994
 Submit Date: 9/1/1994
 GW Contam: Yes, Groundwater Contamination has been detected
 Soil Contam: Not reported
 Incident Desc: CITY WATER AVAILABLE, HOWEVER NO WELL SURVEY WAS SUBMITTED
 Operator: BUMGARNER, ERIC
 Contact Phone: Not reported
 Owner Company: DALLAS MACHINE COMPANY
 Operator Address: PO BOX 12606
 Operator City: GASTONIA
 Oper City, St, Zip: GASTONIA, NC
 Ownership: Military

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DALLAS MACHINE COMPANY (Continued)

S101524828

Operation: Agricultural
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: METHYLENE CHLORIDE
Qty Lost: Not reported
Qty Recovered: Not reported
Material: VINYL CHLORIDE
Qty Lost: Not reported
Qty Recovered 3: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Not reported
Setting: Urban
Risk Site: No
Site Priority: Not reported
Priority Code: E
Priority Update: 5/15/1998
Dem Contact: AHP
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: Q70U
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: GPS
Agency: DWQ
Facility ID: 12633
Last Modified: 1/15/2002
Incident Phase: Follow Up
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

13
SW
1/2-1
0.739 mi.
3900 ft.

KLUTTZ FOUNDRY, FORMER
711 EAST FRANKLIN BLVD
GASTONIA, NC

SHWS S106022536
IMD N/A
LAST

Relative:
Lower

SHWS:
Facility ID: NONCD0001964
Lat/Longitude: 35.26222 / -81.17138
Geolocation Method: UNKNOWN

Actual:
771 ft.

IMD:
Region: MOR
Facility ID: 86722
Date Occurred: 8/19/2003
Submit Date: 7/15/2005
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: Not reported
Operator: FAIRES, JEAN
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: 612 HILLCREST AVENUE
Operator City: GASTONIA
Oper City,St,Zip: GASTONIA, NC
Ownership: Federal
Operation: Mining
Material: Not reported
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: BRP
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: 35.26222
Longitude: -81.17138
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 86722
Last Modified: 7/15/2005
Incident Phase: Follow Up
NOV Issued: 9/4/2003
NORR Issued: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLUTTZ FOUNDRY, FORMER (Continued)

S106022536

45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LAST:

Facility ID: Not reported
UST Number: MO-86722
Incident Number: 86722
Contamination Type: GW
Source Type: 1
Product Type: N
Date Reported: Not reported
Date Occur: Not reported
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Not reported
Of Supply Wells: 0
Commercial/NonCommercial UST Site: Not reported
Risk Classification: Not reported
Risk Class Based On Review: Not reported
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: C
RBCA GW: Not reported
PETOPT: Not reported
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35.26222 -81.17138
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: Not reported
Region: MOR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KLUTTZ FOUNDRY, FORMER (Continued)

S106022536

Company: Not reported
Contact Person: JEAN FAIRES
Telephone: Not reported
RP Address: 612 HILLCREST AVENUE
RP City,St,Zip: GASTONIA, NC
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:

Facility Id: 86722
Date Occurred: Not reported
Date Reported: Not reported
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 5
Operation Type: 7
Type: Not reported
Location: Not reported
Site Priority: NOD
Priority Update: Not reported
Wells Affected Y/N: N
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: Not reported
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: 1

Last Modified: 7/15/2005
Incident Phase: FU
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: Not reported
Close-out Report: Not reported

Count: 26 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GASTONIA	1001230520	GASTONIA INDUSTRIAL TRUCK	More than 1 mile HEMPHILL ROAD		CERCLIS-NFRAP,HWS
GASTONIA	1003868294	BIGGERSTAFF LDFL	More than 1 mile HWY 274	28052	CERCLIS-NFRAP
GASTONIA	1003869200	HARWELL ROAD SEPTIC PIT	More than 1 mile RT. 4, P.O. BOX 18	28054	CERCLIS-NFRAP,PRP
GASTONIA	1003869374	LEE'S MOTOR WORKS	More than 1 mile ROUTE 4, BOX 19-A BEATY ROAD	28054	CERCLIS-NFRAP
GASTONIA	S101523579	W.T. BARLOWE	More than 1 mile RANKIN ST. & HIGHWAY 321	28054	LUST
GASTONIA	S104913432	SMITH WELL & PETTY MACHINE	More than 1 mile HWY 321 & FORBES ROAD		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	More than 1 mile HWY 321		IMD,LUST
GASTONIA	S105807427	IMPACT PLASTICS	More than 1 mile HIGHWAY 321 NORTH		IMD,LAST
GASTONIA	S105894732	THE 321 PANTRY	More than 1 mile HWY 321 AND CLYDE ST		IMD,LUST
GASTONIA	S105912201	SERVCO NO. 2011 / CARSON RD.	More than 1 mile 2907 YORK ROAD (HWY 321S) AND	28052	IMD,LAST
GASTONIA	S109316503	DELTA MILLS-FORMER RAGAN LI	More than 1 mile OATES RD, NEAR HWY 274		HWS
GASTONIA	S110629321	UNITED OIL TANKER SPILL	More than 1 mile HIGHWAY 321 SOUTH		LAST
GASTONIA	S111771162	A B CARTER INC	More than 1 mile HWY 321 S	28054	MANIFEST
GASTONIA	S111825951	STATELINE SCRAP METHAL	More than 1 mile 5401 SOUTH YORK HIGHWAY		HWS,LAST
GASTONIA	U001196272	CAROLINA TEXTILE SALES/GASTONIA	HIGHWAY 29/74 WEST	28052	UST
GASTONIA	U001196596	UNKNOWN - OUR #56-8805-105	OLD U. S. HWY. 29	28052	UST
GASTONIA	U001196913	SOUTH GASTONIA VFD	More than 1 mile HIGHWAY 321 SOUTH	28052	UST
GASTONIA	U001206619	CROWDER CREEK WASTEWATER	More than 1 mile HIGHWAY U.S. 321	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.	More than 1 mile HIGHWAY 321 SOUTH	28052	UST

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: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	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: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	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: 06/07/2012	Source: EPA
Date Data Arrived at EDR: 07/05/2012	Telephone: N/A
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 07/05/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 10/22/2012
	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: 08/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/10/2012
	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: 07/13/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/22/2012
	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: 08/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 12/10/2012
	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: 08/07/2012
Next Scheduled EDR Contact: 11/26/2012
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: 08/16/2012
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: 08/16/2012
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: 08/16/2012
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: 08/16/2012
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: 09/05/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/24/2012
	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: 09/05/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/24/2012
	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: 08/08/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/19/2012
	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: 05/25/2012	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 06/20/2012	Telephone: 919-508-8400
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 09/19/2012
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/31/2012
	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: 06/25/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 06/25/2012	Telephone: 919-733-0692
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 10/01/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/14/2013
	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: 07/03/2012	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 07/23/2012	Telephone: 919-733-4996
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 07/16/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/29/2012
	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: 08/10/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 08/14/2012	Telephone: 919-733-1308
Date Made Active in Reports: 09/13/2012	Last EDR Contact: 09/27/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/26/2012
	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: 07/16/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 07/17/2012	Telephone: 919-733-1315
Date Made Active in Reports: 08/08/2012	Last EDR Contact: 07/17/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 08/10/2012	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 08/14/2012	Telephone: 877-623-6748
Date Made Active in Reports: 09/13/2012	Last EDR Contact: 08/14/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/07/2012	Source: EPA Region 10
Date Data Arrived at EDR: 05/08/2012	Telephone: 206-553-2857
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

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	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

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	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: 07/26/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/12/2012
	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	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

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

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 04/12/2012	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 08/03/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

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

Date of Government Version: 05/25/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 415-972-3372
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/12/2012
	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: 08/10/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 08/14/2012	Telephone: 919-733-1308
Date Made Active in Reports: 09/13/2012	Last EDR Contact: 09/27/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/26/2012
	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: 06/21/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 06/21/2012	Telephone: 919-715-6183
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/07/2013
	Data Release Frequency: Semi-Annually

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: 07/26/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Semi-Annually

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: 07/26/2012
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 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: 07/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

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: 07/26/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 05/02/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 08/03/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 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: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/12/2012
	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: 07/26/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/07/2012	Source: EPA Region 10
Date Data Arrived at EDR: 05/08/2012	Telephone: 206-553-2857
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/12/2012
	Data Release Frequency: Quarterly

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: 07/12/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/29/2012
	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: 05/25/2012	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 06/20/2012	Telephone: 919-508-8400
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 12/17/2110
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/31/2012
	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: 05/25/2012	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 06/20/2012	Telephone: 919-508-8400
Date Made Active in Reports: 08/06/2012	Last EDR Contact: 09/19/2012
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/31/2012
	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: 07/13/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/22/2012
	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: 06/25/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2012	Telephone: 202-566-2777
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 09/24/2012
Number of Days to Update: 85	Next Scheduled EDR Contact: 01/07/2013
	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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
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
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
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: 08/06/2012
Date Data Arrived at EDR: 08/08/2012
Date Made Active in Reports: 09/13/2012
Number of Days to Update: 36

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/19/2012
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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/19/2012
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: 03/16/2012
Date Data Arrived at EDR: 06/12/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 34

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/05/2012
Next Scheduled EDR Contact: 12/17/2012
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: 07/27/2012
Next Scheduled EDR Contact: 11/12/2012
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: 08/16/2012
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: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/07/2012
Next Scheduled EDR Contact: 11/19/2012
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: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
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: 09/10/2012
Next Scheduled EDR Contact: 12/24/2012
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: 06/01/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/12/2012
Next Scheduled EDR Contact: 12/24/2012
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: 08/28/2012
Next Scheduled EDR Contact: 12/10/2012
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: 09/04/2012
Next Scheduled EDR Contact: 12/17/2012
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: 09/20/2012
Next Scheduled EDR Contact: 12/10/2012
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: 01/07/2013
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: 08/22/2012
Next Scheduled EDR Contact: 12/10/2012
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: 08/22/2012
Next Scheduled EDR Contact: 12/10/2012
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: 07/27/2012
Next Scheduled EDR Contact: 11/12/2012
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: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
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: 09/05/2012
Next Scheduled EDR Contact: 12/24/2012
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: 07/11/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/22/2012
	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: 09/11/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/24/2012
	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: 08/31/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/10/2012
	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: 08/08/2012
Date Data Arrived at EDR: 08/14/2012
Date Made Active in Reports: 09/13/2012
Number of Days to Update: 30

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 08/08/2012
Next Scheduled EDR Contact: 11/26/2012
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: 09/25/2012
Next Scheduled EDR Contact: 01/07/2013
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: 08/22/2012
Next Scheduled EDR Contact: 11/19/2012
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: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
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: 07/19/2012
Next Scheduled EDR Contact: 11/05/2012
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: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/19/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/29/2012
	Data Release Frequency: N/A

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 02/27/2012	Source: EPA
Date Data Arrived at EDR: 04/04/2012	Telephone: 202-564-6023
Date Made Active in Reports: 05/15/2012	Last EDR Contact: 07/02/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/15/2012
	Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 3: Financial Assurance Information

Hazardous waste financial assurance information.

Date of Government Version: 05/08/2012	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 05/09/2012	Telephone: 919-508-8549
Date Made Active in Reports: 05/16/2012	Last EDR Contact: 10/01/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/31/2012
	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	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 10/06/2011	Telephone: 919-733-1322
Date Made Active in Reports: 11/01/2011	Last EDR Contact: 09/27/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 617-520-3000
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 08/07/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/26/2012
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/24/2012
Date Data Arrived at EDR: 06/05/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/14/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2012
Next Scheduled EDR Contact: 11/12/2012
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: 08/03/2012
Next Scheduled EDR Contact: 11/19/2012
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: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/29/2012
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: 06/29/2012
Date Data Arrived at EDR: 07/02/2012
Date Made Active in Reports: 08/06/2012
Number of Days to Update: 35

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 10/01/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/14/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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: 08/20/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/20/2012
Next Scheduled EDR Contact: 12/03/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 10/29/2012
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
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2012
Next Scheduled EDR Contact: 11/19/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/19/2012
Next Scheduled EDR Contact: 11/05/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2012
Next Scheduled EDR Contact: 12/10/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011

Date Data Arrived at EDR: 07/19/2012

Date Made Active in Reports: 09/27/2012

Number of Days to Update: 70

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/18/2012

Next Scheduled EDR Contact: 12/31/2012

Data Release Frequency: Annually

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.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

OZARK PLANT
1301 EAST OZARK AVE
GASTONIA, NC 28054

TARGET PROPERTY COORDINATES

Latitude (North):	35.2694 - 35° 16' 9.84"
Longitude (West):	81.1638 - 81° 9' 49.68"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	485101.8
UTM Y (Meters):	3902733.0
Elevation:	809 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property 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).

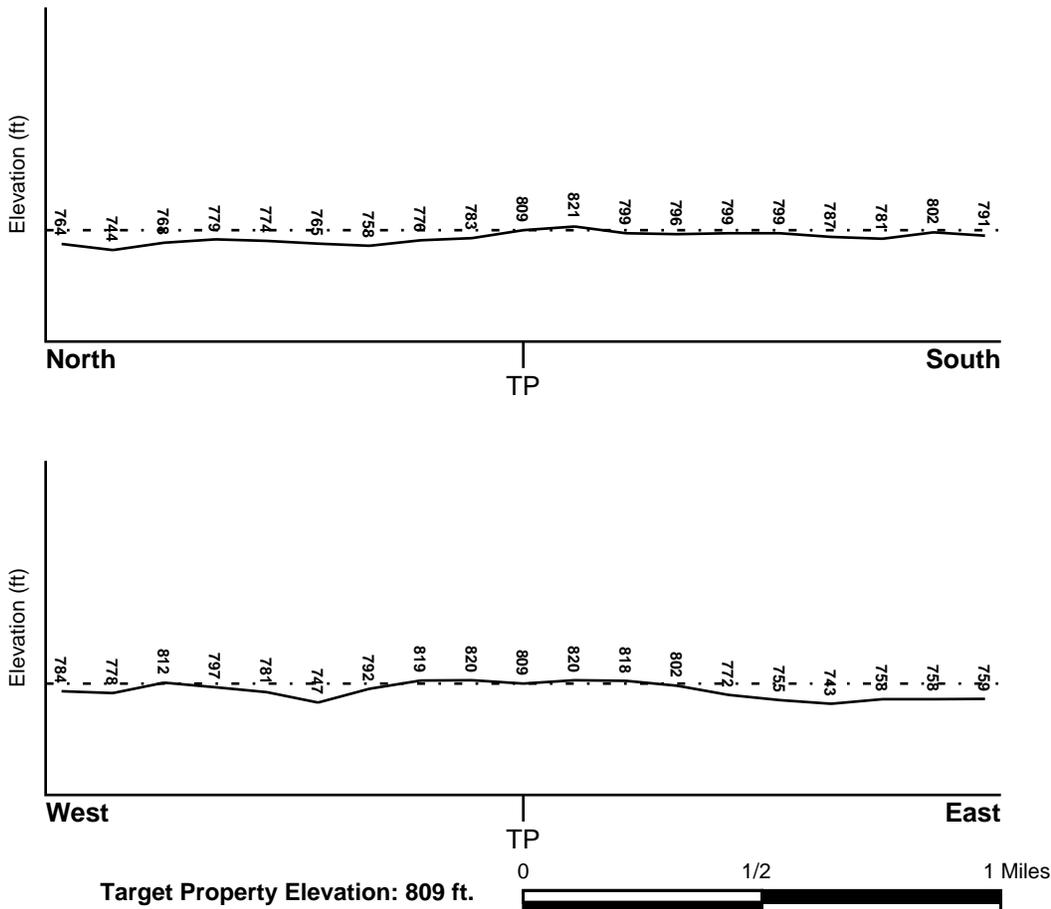
TOPOGRAPHIC INFORMATION

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 North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

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 NORTH

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: Ordovician
Series: Lower Paleozoic granitic rocks
Code: Pzg1 (*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	USGS2282026	1/2 - 1 Mile SE
2	USGS2281796	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-----------------------------

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

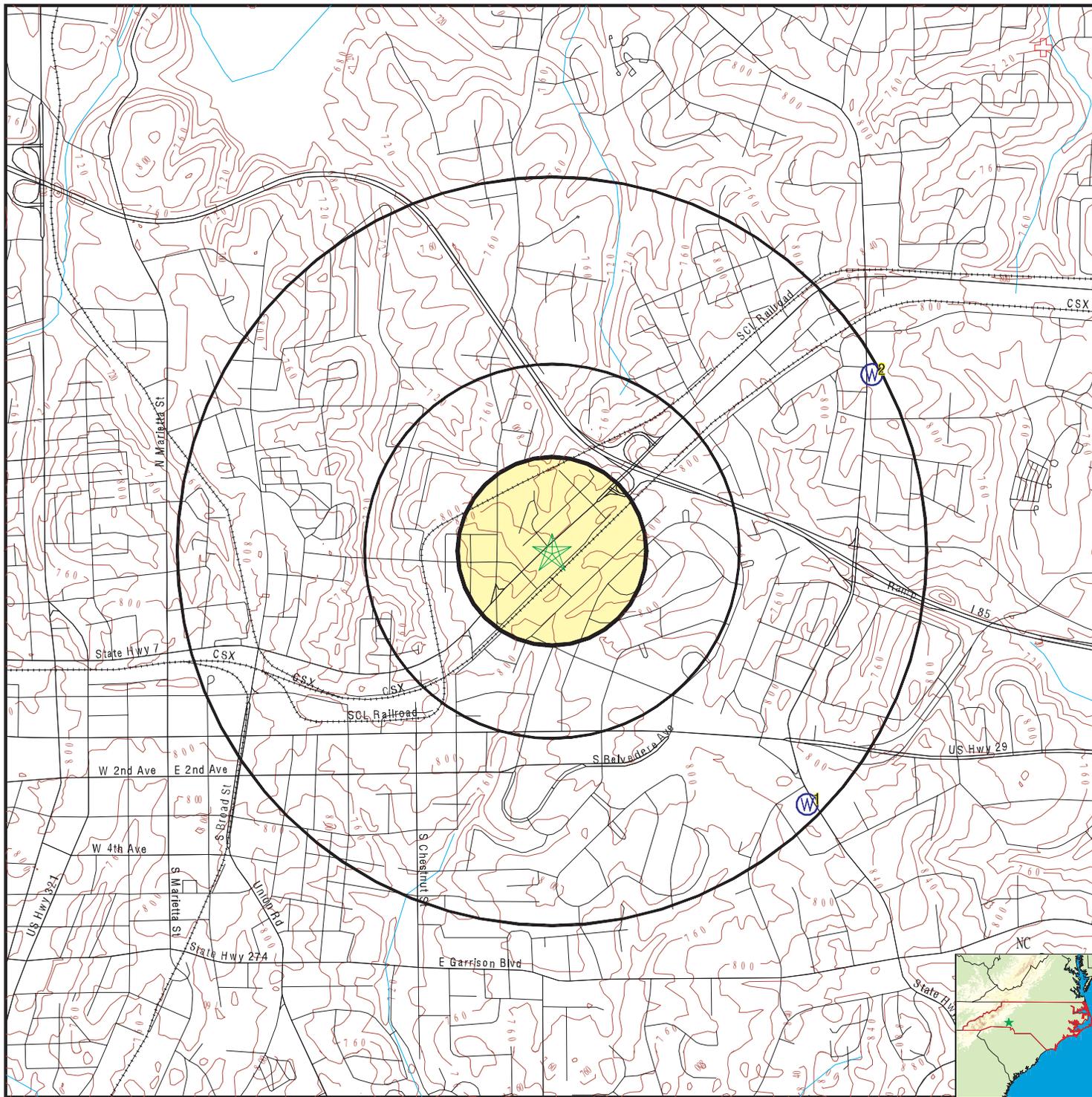
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

NORTH CAROLINA NATURAL HERITAGE ELEMENT OCCURRENCES

<u>ID</u>	<u>Class</u>
NC50017169	Plants

PHYSICAL SETTING SOURCE MAP - 03421831.1r



County Boundary

Major Roads

Contour Lines

Earthquake epicenter, Richter 5 or greater

Water Wells

Public Water Supply Wells

Cluster of Multiple Icons

Groundwater Flow Direction

Indeterminate Groundwater Flow at Location

Groundwater Flow Varies at Location

Wildlife Areas

Natural Areas

Rare & Endangered Species

SITE NAME: Ozark Plant
 ADDRESS: 1301 East Ozark AVE
 Gastonia NC 28054
 LAT/LONG: 35.2694 / 81.1638

CLIENT: WSP Environment & Energy
 CONTACT: Frank Giles
 INQUIRY #: 03421831.1r
 DATE: October 01, 2012 1:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SE
1/2 - 1 Mile
Higher

FED USGS USGS2282026

Agency cd:	USGS	Site no:	351534081090701
Site name:	GS-144	EDR Site id:	USGS2282026
Latitude:	351534	Dec lat:	35.2595825
Longitude:	0810907	Coor meth:	M
Dec lon:	-81.15174411	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:	Hillside (slope)		
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:	SCHIST		
Well depth:	105.5	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	26	

2
ENE
1/2 - 1 Mile
Higher

FED USGS USGS2281796

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	351634081085601
Site name:	GS-165		
Latitude:	351634	EDR Site id:	USGS2281796
Longitude:	0810856	Dec lat:	35.27624891
Dec lon:	-81.1486886	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:	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:	167.0	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	44	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

GIS ID: 92770
Classification by Type: Plants
Occurrence Status: Extant

NC_NHEO NC50017169

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 Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.6
February 02, 2012

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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 Abstract 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 Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2011	Polk's City Directory	X	X	X	-
2006	Polk's City Directory	X	X	X	-
2001	Polk's City Directory	X	X	X	-
1996	Polk's City Directory	X	X	X	-
1991	Polk's City Directory	X	X	X	-
1985	Polk's City Directory	X	X	X	-
1980	Polk's City Directory	X	X	X	-
1975	Polk's City Directory	X	X	X	-
1969	Polk's City Directory	X	X	X	-
1964	Polk's City Directory	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
1202 East Ozark Ave	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1301 East Ozark Ave
Gastonia, NC 28054

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Residential	Polk's City Directory
2006	Carquest Filters	Polk's City Directory
2001	Carquest Filters	Polk's City Directory
	Dana Corp Wix Division	Polk's City Directory
	Gard	Polk's City Directory
	Wix	Polk's City Directory
1996	Wix Corp	Polk's City Directory
1991	Wix Corp (oil filter)	Polk's City Directory
1985	Wix Corp (oil filter)	Polk's City Directory
1980	Wix Corp (oil filter)	Polk's City Directory
1975	Wix Corp (oil filter)	Polk's City Directory
1969	Wix Corp (oil filter)	Polk's City Directory
1964	Wix Corp (oil filter)	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

East Ozark Ave

1104 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Metro Cab	Polk's City Directory
2001	Tyrone's Auto Detailing	Polk's City Directory
1996	Tyrone's Auto Detailing	Polk's City Directory
1991	Fantastic Car Care Service	Polk's City Directory
1985	Jones Harrill Inc	Polk's City Directory
1980	Joes Phillips 66 Service Station	Polk's City Directory
1975	Rhyne's Phillips 66 Service Station	Polk's City Directory
1969	Rhyne's Phillips 66 Service Station	Polk's City Directory
1964	Rhyne's Phillips 66 Service Station	Polk's City Directory

1109 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Koops Woodworks	Polk's City Directory
2001	Frank & Thomas Lanier Industries Division	Polk's City Directory
	Jenkins Renedeeling Co	Polk's City Directory
1996	Lanier Industries	Polk's City Directory
1991	Astra Corp	Polk's City Directory
	Jenkins Renedeeling Co	Polk's City Directory
1985	Astra Corp	Polk's City Directory
1980	Astra Corp	Polk's City Directory
1975	County Board of Education	Polk's City Directory
1969	City Board of Educations	Polk's City Directory
1964	City Board of Educations	Polk's City Directory

1110 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	No Return	Polk's City Directory
1964	Residential	Polk's City Directory

FINDINGS

1111 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Caldwell & Co	Polk's City Directory
1980	Vacant	Polk's City Directory
1975	Bright Chemical & Supply	Polk's City Directory
1969	Impact Plastics Inc	Polk's City Directory
1964	Vacant	Polk's City Directory

1112 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Vacant	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1113 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Tidwell's Discount Furniture	Polk's City Directory
1969	Bright Chemical & Supply Co	Polk's City Directory
1964	Bright Chemical & Supply Co	Polk's City Directory

1114 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Clean Clothes Co	Polk's City Directory
1980	East End Washerette	Polk's City Directory
1975	Ast Side Washerette	Polk's City Directory
1969	McMahan's Barber Shop	Polk's City Directory
1964	Jordan's Barber Shop	Polk's City Directory

1115 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	C H & Sons Construction	Polk's City Directory
2001	Machinery Placement CO	Polk's City Directory
1996	Associated Machine Tools	Polk's City Directory
	Machinery Placement Co	Polk's City Directory
1991	Wix National Accounts	Polk's City Directory
1985	Caldwell & Co	Polk's City Directory
1980	R P Caldwell & Co	Polk's City Directory
1975	R P Caldwell & Co	Polk's City Directory
1969	R P Caldwell & Co	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	R P Caldwell & Co	Polk's City Directory

1122 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Village Washerette	Polk's City Directory
1964	Loew's Econ O Wash	Polk's City Directory

1170 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Residential	Polk's City Directory

1201 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	Connies Sewing & Alterations	Polk's City Directory
1991	Vacant	Polk's City Directory
1985	Tarheels Fasteners Inc	Polk's City Directory
1980	Vacant	Polk's City Directory
1975	Central Bonded Warehouse	Polk's City Directory
	Cook Industries	Polk's City Directory
1969	Central Bonoded Warehouse	Polk's City Directory
	Cook & Co	Polk's City Directory
1964	Central Bonoded Warehouse	Polk's City Directory
	Cook & Co	Polk's City Directory

1202 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Wix (whse)	Polk's City Directory
1969	Vacant	Polk's City Directory
1964	East Gaston Elem School	Polk's City Directory

1203 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1996	C McCosh Cotton	Polk's City Directory
1991	McCosh Cotton Inc	Polk's City Directory
1985	G D Taylor Jr & Co	Polk's City Directory
1980	G D Taylor Jr & Co	Polk's City Directory
1975	G D Taylor Jr & Co	Polk's City Directory
1969	G D Taylor Jr & Co	Polk's City Directory
1964	G D Taylor Jr & Co	Polk's City Directory

FINDINGS

1205 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Wix Corp	Polk's City Directory
1980	Wix Corp	Polk's City Directory
1975	Wix Corp	Polk's City Directory
1969	Eesthers Florist & Gift Shop	Polk's City Directory
1964	Eesthers Florist & Gift Shop	Polk's City Directory

1212 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Vacant	Polk's City Directory
1985	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1214 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1215 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Wix Corp	Polk's City Directory
1985	Wix Corp	Polk's City Directory
1980	Wix Corp	Polk's City Directory
1975	Wix Corp	Polk's City Directory
1969	Wix Corp	Polk's City Directory
1964	Wix Corp	Polk's City Directory

1218 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Vacant	Polk's City Directory
1985	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Vacant	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

FINDINGS

1304 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Vacant	Polk's City Directory
1985	No Return	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1306 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Vacant	Polk's City Directory
1985	Open Door Church	Polk's City Directory
1980	Open Door Free Will Church	Polk's City Directory
1975	Open Door Free Will Church	Polk's City Directory
1969	Church of God of Prophecy	Polk's City Directory
1964	Church of God of Prophecy	Polk's City Directory

1308 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1310 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Millennium Electric Inc	Polk's City Directory
2001	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory
1996	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory
1991	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory
1985	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory
1980	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory
1975	Gunn Bobby Carpet & Floor Covering Co	Polk's City Directory

1311 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Henry Yarn And Dyeing Co	Polk's City Directory
1996	Henry Yarn And Dyeing Co	Polk's City Directory
1991	Henry Yarn And Dyeing Co	Polk's City Directory
1985	Henry Yarn And Dyeing Co	Polk's City Directory
1980	Henry Yarn And Dyeing Co	Polk's City Directory

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Vacant	Polk's City Directory
1969	Central Yarn & Dyeing Inc	Polk's City Directory

1318 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Vacant	Polk's City Directory
1985	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1319 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	Central Yarn & Dyeing Co	Polk's City Directory

1323 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1324 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	Residential	Polk's City Directory
1980	Residential	Polk's City Directory
1975	Residential	Polk's City Directory
1969	Residential	Polk's City Directory
1964	Residential	Polk's City Directory

1335 East Ozark Ave

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2011	Gastonia Fire Dept	Polk's City Directory
2006	Gastonia Fire Dept	Polk's City Directory
2001	City of Gastonia Fire Dept	Polk's City Directory
1991	City Fire Dept	Polk's City Directory

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1104 East Ozark Ave	2006
1109 East Ozark Ave	2006
1110 East Ozark Ave	No Years Found
1111 East Ozark Ave	No Years Found
1112 East Ozark Ave	No Years Found
1113 East Ozark Ave	1985, 1980, 1975
1114 East Ozark Ave	No Years Found
1115 East Ozark Ave	2006
1122 East Ozark Ave	No Years Found
1170 East Ozark Ave	1996, 1991, 1985, 1980, 1975, 1969, 1964
1201 East Ozark Ave	No Years Found
1202 East Ozark Ave	2011, 2006, 2001, 1996, 1985, 1980, 1975
1203 East Ozark Ave	No Years Found
1205 East Ozark Ave	No Years Found
1212 East Ozark Ave	No Years Found
1214 East Ozark Ave	No Years Found
1215 East Ozark Ave	No Years Found
1218 East Ozark Ave	No Years Found
1304 East Ozark Ave	No Years Found
1306 East Ozark Ave	No Years Found
1308 East Ozark Ave	No Years Found
1310 East Ozark Ave	2006, 1969, 1964
1311 East Ozark Ave	1964
1318 East Ozark Ave	No Years Found
1319 East Ozark Ave	No Years Found
1323 East Ozark Ave	No Years Found
1324 East Ozark Ave	No Years Found
1335 East Ozark Ave	1996, 1985, 1980, 1975, 1969, 1964

Wix Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.8
January 31, 2012

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

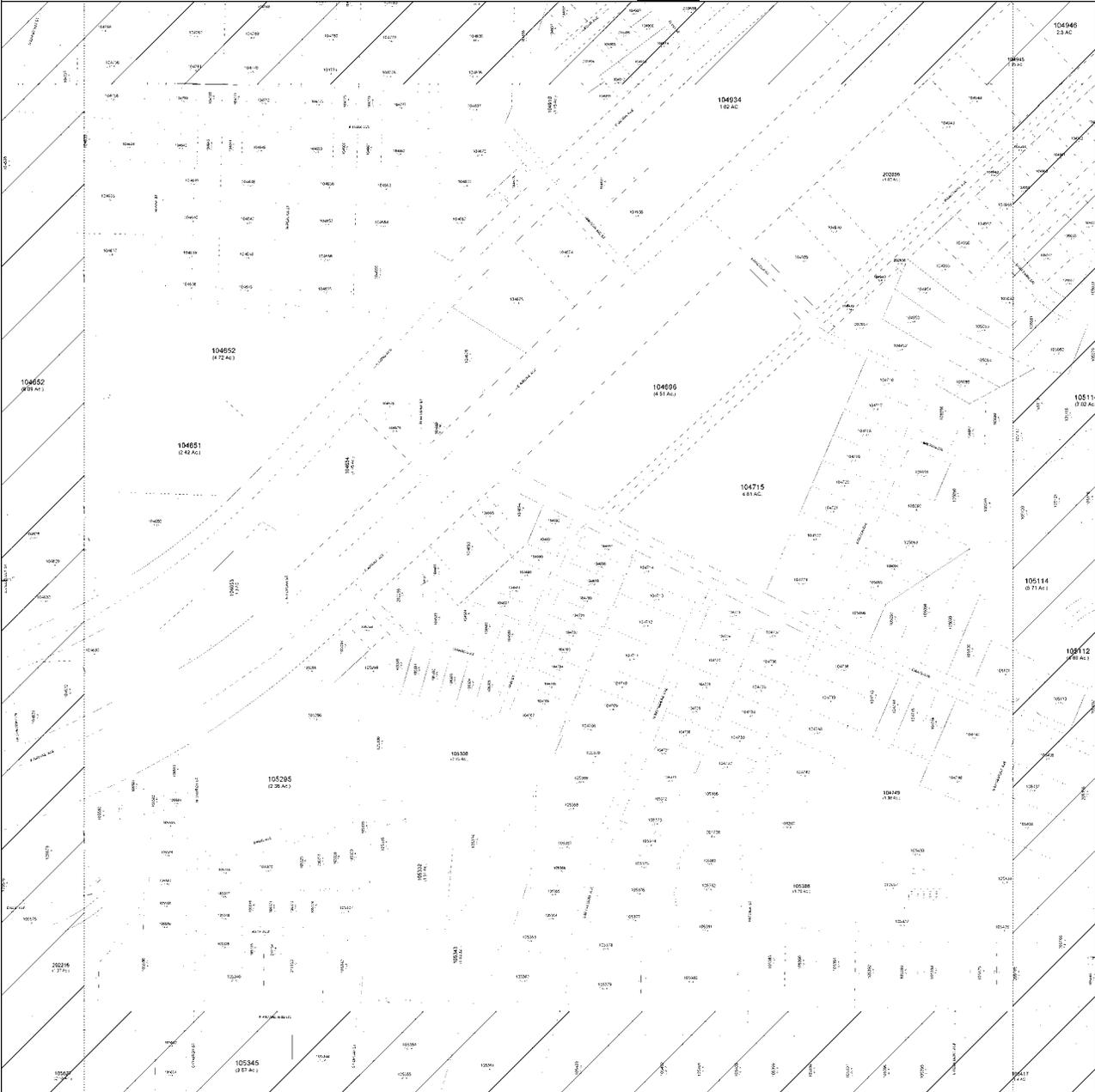
Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Ozark Plant

1301 East Ozark AVE
Gastonia, NC 28054

Inquiry Number: 3421831.2
October 04, 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

1301 East Ozark AVE
Ozark Plant
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: 104934

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: GRP
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 and to be
instrument was acknowledged for registration and recorded in this office in Book 4083
Page 2420 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° 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 17° 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° 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° 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° 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° 37' 40" East 218.00 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° 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° 53' East 120 feet to an iron in the northern margin of Ozark Avenue; thence with the northern margin of Ozark Avenue South 47° 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.

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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 18, 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 69, 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 59, 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, 1956, 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 59, 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.

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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 64' 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 9.8121385, Gaston County; thence in a southeasterly direction along and with the northwestern right of way boundary of state highway Project 9.8121385 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 52° 51' 16" W 64.13' to a point; thence S 52° 51' 48" W 87.01' to an existing iron pin; thence S 52° 51' 47" W 64.52' 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 9.8121385, 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 160 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 29 degrees 47 minutes
 East 115.65 feet to a stake at the northerly corner of Lot No. 11
 in Block "B" 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. 13 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 6.8513 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 northeastern 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 runs 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

L1 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

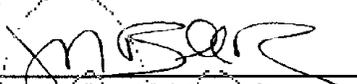
BK 4477 PG 1453-1456



3840671 8100V

090748079

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


Jeffrey W. Bullock, Secretary of State
AUTHENTICATION: 7452789

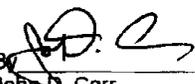
DATE: 08-03-09

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.

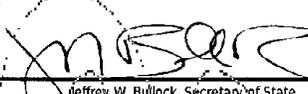
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF FORMATION IS THE SECOND DAY OF JULY, A.D. 2007.



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

Wix Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.11
February 01, 2012

EDR Building Permit Report

Target Property and Adjoining Properties

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About This Report

Executive Summary

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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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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting 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.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-05 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records – The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of WSP Environment & Energy on Feb 01, 2012.

TARGET PROPERTY

1301 East Ozark Ave
Gastonia, NC 28054

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Gastonia

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
2009	City of Gastonia, Building Permits and Inspections		X
2008	City of Gastonia, Building Permits and Inspections		X
2007	City of Gastonia, Building Permits and Inspections		X
2006	City of Gastonia, Building Permits and Inspections		X
2005	City of Gastonia, Building Permits and Inspections		X
2004	City of Gastonia, Building Permits and Inspections		X
2003	City of Gastonia, Building Permits and Inspections		X
2002	City of Gastonia, Building Permits and Inspections		X
	City of Gastonia, Building Permits and Inspections	X	
2001	City of Gastonia, Building Permits and Inspections		X
	City of Gastonia, Building Permits and Inspections	X	
2000	City of Gastonia, Building Permits and Inspections		X
	City of Gastonia, Building Permits and Inspections	X	
1999	City of Gastonia, Building Permits and Inspections		X

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Gastonia
Years: 1999-2009
Source: City of Gastonia, Building Permits and Inspections, Gastonia, NC
Phone: (704) 866-6729

Name: Caldwell County Unincorporated Area
Years: 1986-2010
Source: Caldwell County, Building Inspections, Lenoir, NC
Phone: (828) 426-8585

Name: Davie County
Years: 2002-2009
Source: Davie County, Development Services, Mocksville, NC
Phone: (336) 753-6050

Name: Gaston County
Years: 1994-2009
Source: Gaston County, Building Inspections, Gastonia, NC
Phone: (704) 866-3155

Name: Randolph County
Years: 1986-2009
Source: Randolph County, Government Building Inspections, Asheboro, NC
Phone: (336) 318-6565

Name: Wayne County
Years: 2003-2010
Source: Wayne County, Planning Department, Goldsboro, NC
Phone: (919) 731-1169

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

**1301 East Ozark Ave
Gastonia, NC 28054**

1301 E OZARK AVE

Date: **3/13/2002**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 12039
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: DALLAS ELECTRIC & PLUMBING

Date: **1/24/2002**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 11458
Status: STOP WORK
Valuation: \$0.00
Contractor Company:
Contractor Name:

Date: **1/2/2001**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 7409
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/22/2000**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 4570
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: SOUTHEAST ELECTRICAL SYSTEMS

Date: **1/10/2000**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 4121
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

ARMSTRONG ST

110 ARMSTRONG ST

Date: **3/24/1999**
Permit Type: **COM-UPFIT**
Description: **Retail Upfit - site plan #3733 ted melvin**
Permit Description: **COMMERCIAL INTERIOR/UPFIT**
Work Class:
Proposed Use:
Permit Number: 1333
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: LANNY JOE MEDLOCK

Date: **3/24/1999**
Permit Type: **COM-SHELL**
Description: **OFFICE**
Permit Description: **COMMERCIAL SHELL**
Work Class:
Proposed Use:
Permit Number: 1332
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: LANNY JOE MEDLOCK

116 ARMSTRONG ST

Date: **6/10/2009**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 42130
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: MORRIS MECHANICAL, INC.

ADJOINING PROPERTY FINDINGS

Date: **6/10/2009**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 42131
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: MORRIS MECHANICAL, INC.

Date: **2/9/2000**
Permit Type: **COM-UPFIT**
Description: **REMODELING TO INCLUDE 2 BATHROOMS AND OFFICES.**
Permit Description: **COMMERCIAL INTERIOR/UPFIT**
Work Class:
Proposed Use:
Permit Number: 4457
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: LANNY JOE MEDLOCK

122 ARMSTRONG ST

Date: **8/6/2003**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 18319
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: ALLSTATE MECH./GASTON COUNTY

ADJOINING PROPERTY FINDINGS

Date: **1/21/2003**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 15636
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: GASTON ELECTRIC CONTRS., INC.

Date: **10/24/2000**
Permit Type: **COM-UPFIT**
Description: **TED MELVIN**
Permit Description: **COMMERCIAL INTERIOR/UPFIT**
Work Class:
Proposed Use:
Permit Number: 6888
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: LANNY JOE MEDLOCK

128 ARMSTRONG ST

Date: **3/8/2007**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 32737
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: JIM LONG INC.

ADJOINING PROPERTY FINDINGS

Date: **9/17/2001**
Permit Type: **COM-UPFIT**
Description: **TED MELVIN**
Permit Description: **COMMERCIAL INTERIOR/UPFIT**
Work Class:
Proposed Use:
Permit Number: 10255
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: LANNY JOE MEDLOCK

COBB ST

503 COBB ST

Date: **12/11/2003**
Permit Type: **RES**
Description: **A Single Family Dwelling**
Permit Description: **RESIDENTIAL**
Work Class:
Proposed Use:
Permit Number: 19781
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: BOWEN REAL ESTATE INC

Date: **9/5/2003**
Permit Type: **DEMO**
Description:
Permit Description: **DEMOLITION**
Work Class:
Proposed Use:
Permit Number: 18626
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: CLONINGER, INC

ADJOINING PROPERTY FINDINGS

Date: **6/20/2001**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 9432
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: GASTONIA HEATING & AIR

Date: **5/18/2001**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 9122
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: J.E.FRAZIER ELECTRIC

509 COBB ST

Date: **2/22/2005**
Permit Type: **REML**
Description: **Fire Restoration of existing single family dwelling**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 24576
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: PAUL DAVIS RESTORATION

ADJOINING PROPERTY FINDINGS

518 COBB ST

Date: **8/13/2004**
Permit Type: **PLUB**
Description:
Permit Description: **PLUMBING**
Work Class:
Proposed Use:
Permit Number: 21986
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: HOLLAND PLUMBING SERVICES, INC

E CEDAR AVE

1210 E CEDAR AVE

Date: **6/21/2006**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 29715
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: W.E.G. ELECTRICAL

1211 E CEDAR AVE

Date: **4/6/2004**
Permit Type: **REML**
Description: **Interior remodel**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 20882
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: CHRIS STROUPE

ADJOINING PROPERTY FINDINGS

1213 E CEDAR AVE

Date: **4/6/2004**
Permit Type: **REML**
Description: **Interior remodel**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 20883
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: CHRIS STROUPE

Date: **2/7/2003**
Permit Type: **PLUB**
Description:
Permit Description: **PLUMBING**
Work Class:
Proposed Use:
Permit Number: 15834
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: THE ELITE PLUMBING CO., INC.

1215 E CEDAR AVE

Date: **4/11/2007**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 33167
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: NES ELECTRICAL SERVICE

ADJOINING PROPERTY FINDINGS

Date: **4/19/2005**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 25086
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: NES ELECTRICAL SERVICE

Date: **4/11/2005**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 25002
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: C & C HTG. CLG. & INSULATION

Date: **1/13/2005**
Permit Type: **REML**
Description: **8x10 Deck & Remodel**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 24208
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

1216 E CEDAR AVE

Date: **10/26/2001**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 10825
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: ROLAND BLACK HEATING & COOLING

1303 E CEDAR AVE

Date: **5/17/2006**
Permit Type: **REML**
Description: **tear out damaged floor - seal - replace - adding 3 piers**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 29216
Status: STOP WORK
Valuation: \$0.00
Contractor Company:
Contractor Name: GLORY CLEAN HOME IMPROVEMENT

1308 E CEDAR AVE

Date: **11/20/2008**
Permit Type: **DEMO**
Description: **demolition single family dwelling**
Permit Description: **DEMOLITION**
Work Class:
Proposed Use:
Permit Number: 28963
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: T & L GRADING INC.

ADJOINING PROPERTY FINDINGS

Date: **8/21/2003**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 18496
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: BURCHFIELD ELECTRIC

1310 E CEDAR AVE

Date: **8/30/2004**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 22662
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: PSNC ENERGY

Date: **8/24/2004**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 22622
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: PSNC ENERGY

ADJOINING PROPERTY FINDINGS

1315 E CEDAR AVE

Date: **9/8/2000**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 6478
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: PSNC ENERGY

1316 E CEDAR AVE

Date: **10/29/2002**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 14656
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name:

1317 E CEDAR AVE

Date: **4/18/2008**
Permit Type: **REML**
Description: **Bring Electrical up to minimum housing code**
Permit Description: **REMODEL**
Work Class:
Proposed Use:
Permit Number: 37709
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: RAY H. SMITH

ADJOINING PROPERTY FINDINGS

1326 E CEDAR AVE

Date: **5/11/2006**
Permit Type: **ACCB**
Description: **16x16 storage building**
Permit Description: **ACCESSORY BUILDING**
Work Class:
Proposed Use:
Permit Number: 29092
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name:

Date: **8/11/2005**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 26270
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: JOHN ALDON DAVIS

Date: **8/9/2005**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 26225
Status: STOP WORK
Valuation: \$0.00
Contractor Company:
Contractor Name: BRYON DAVID JENKINS

ADJOINING PROPERTY FINDINGS

Date: **3/31/2004**
Permit Type: **ACCB**
Description: **18'x24' Picnic Shelter**
Permit Description: **ACCESSORY BUILDING**
Work Class:
Proposed Use:
Permit Number: 20823
Status: STOP WORK
Valuation: \$0.00
Contractor Company:
Contractor Name:

E OZARK AVE

1335 E OZARK AVE

Date: **11/18/2005**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 27337
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: PSNC ENERGY

Date: **8/9/2005**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 26220
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: T.S. ELECTRIC

ADJOINING PROPERTY FINDINGS

FLINT ST

309 FLINT ST

Date: **11/16/2010**
Permit Type: **DEMO**
Description: **demolish structure and remove demolition debris & scrap materials, grade, seed and straw lot**
Permit Description: **DEMOLITION**
Work Class:
Proposed Use:
Permit Number: 47726
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: JOHN E JENKINS INC

Date: **1/4/2002**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 11393
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: DENNY DOCKERY ELECTRIC CO.

412 FLINT ST

Date: **12/11/2001**
Permit Type: **MECH**
Description:
Permit Description: **MECHANICAL**
Work Class:
Proposed Use:
Permit Number: 11240
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: CURRY HEATING & COOLING INC.

ADJOINING PROPERTY FINDINGS

513 FLINT ST

Date: **11/20/2003**
Permit Type: **ELEC**
Description:
Permit Description: **ELECTRICAL**
Work Class:
Proposed Use:
Permit Number: 19631
Status: CLOSED
Valuation: \$0.00
Contractor Company:
Contractor Name: T.S. ELECTRIC

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000

Permit Type: Bldg -

New Permit Number: 101000000405

Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.



Wix Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.3
January 31, 2012

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/31/12

Site Name:

Wix Filters
1301 East Ozark Ave
Gastonia, NC 28054

Client Name:

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



EDR Inquiry # 3249493.3

Contact: Frank Giles

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Certified Sanborn Results:

Site Name: Wix Filters
Address: 1301 East Ozark Ave
City, State, Zip: Gastonia, NC 28054
Cross Street:
P.O. # See FEG
Project: Affinia Wix Phase I
Certification # 4E98-4610-8A4D



Sanborn® Library search results
Certification # 4E98-4610-8A4D

Maps Provided:

1963
1950
1930
1922
1915

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

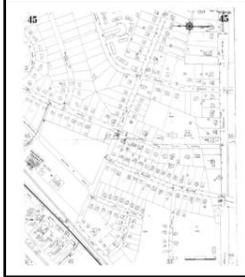
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1963 Source Sheets



Volume 1, Sheet 41



Volume 1, Sheet 45

1950 Source Sheets



Volume 1, Sheet 41



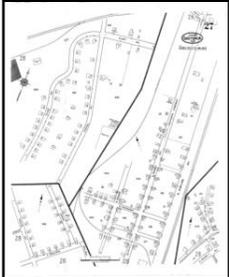
Volume 1, Sheet 45

1930 Source Sheets

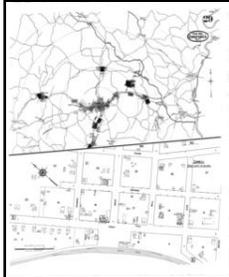


Volume 1, Sheet 41

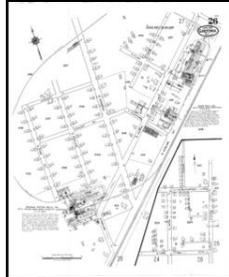
1922 Source Sheets



Volume 1, Sheet 27



Volume 1, Sheet 29



Volume 1, Sheet 26

1915 Source Sheets



Volume 1, Sheet 10

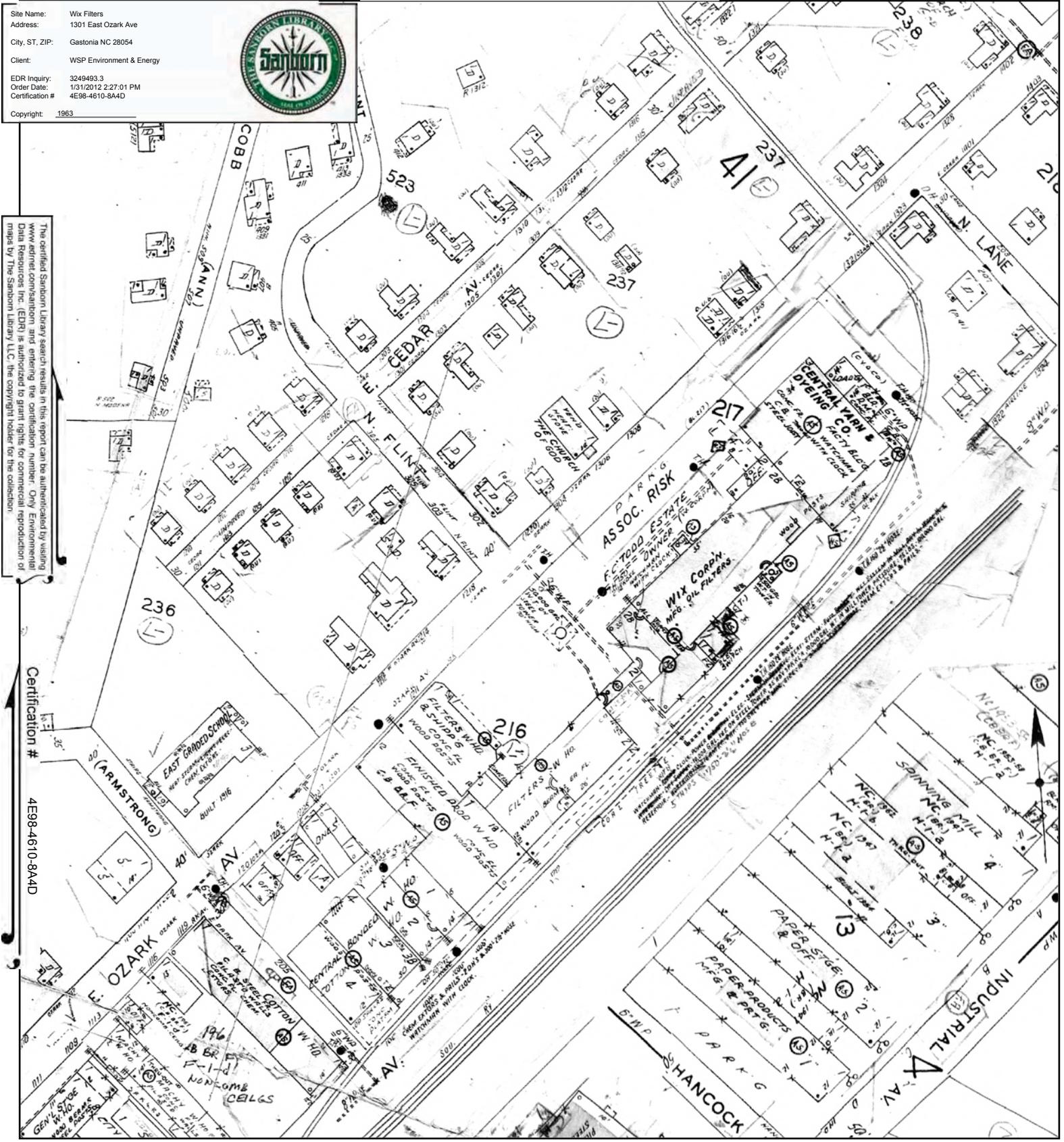
1963 Certified Sanborn Map

Site Name: Wix Filters
 Address: 1301 East Ozark Ave
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3249493.3
 Order Date: 1/31/2012 2:27:01 PM
 Certification #: 4E98-4610-8A4D
 Copyright: 1963

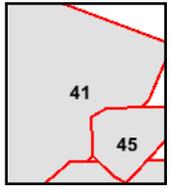
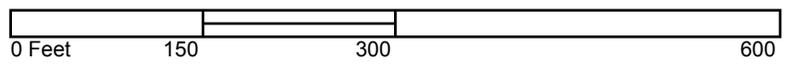


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Certification # 4E98-4610-8A4D



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Volume 1, Sheet 41
 Volume 1, Sheet 45



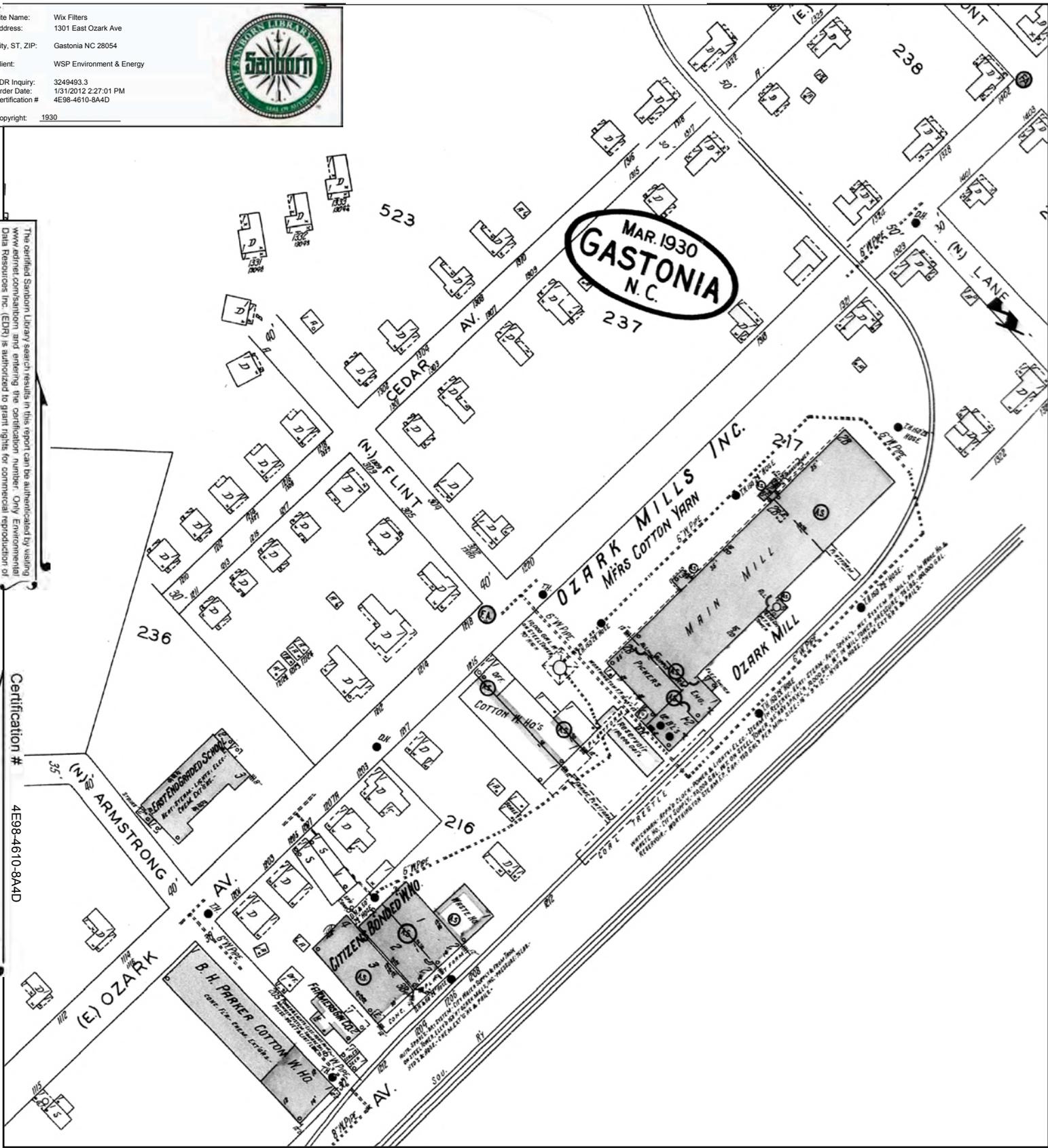
1930 Certified Sanborn Map

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 Address: 1301 East Ozark Ave
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3249493.3
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 Copyright: 1930

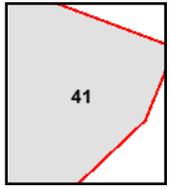
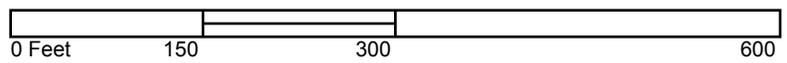


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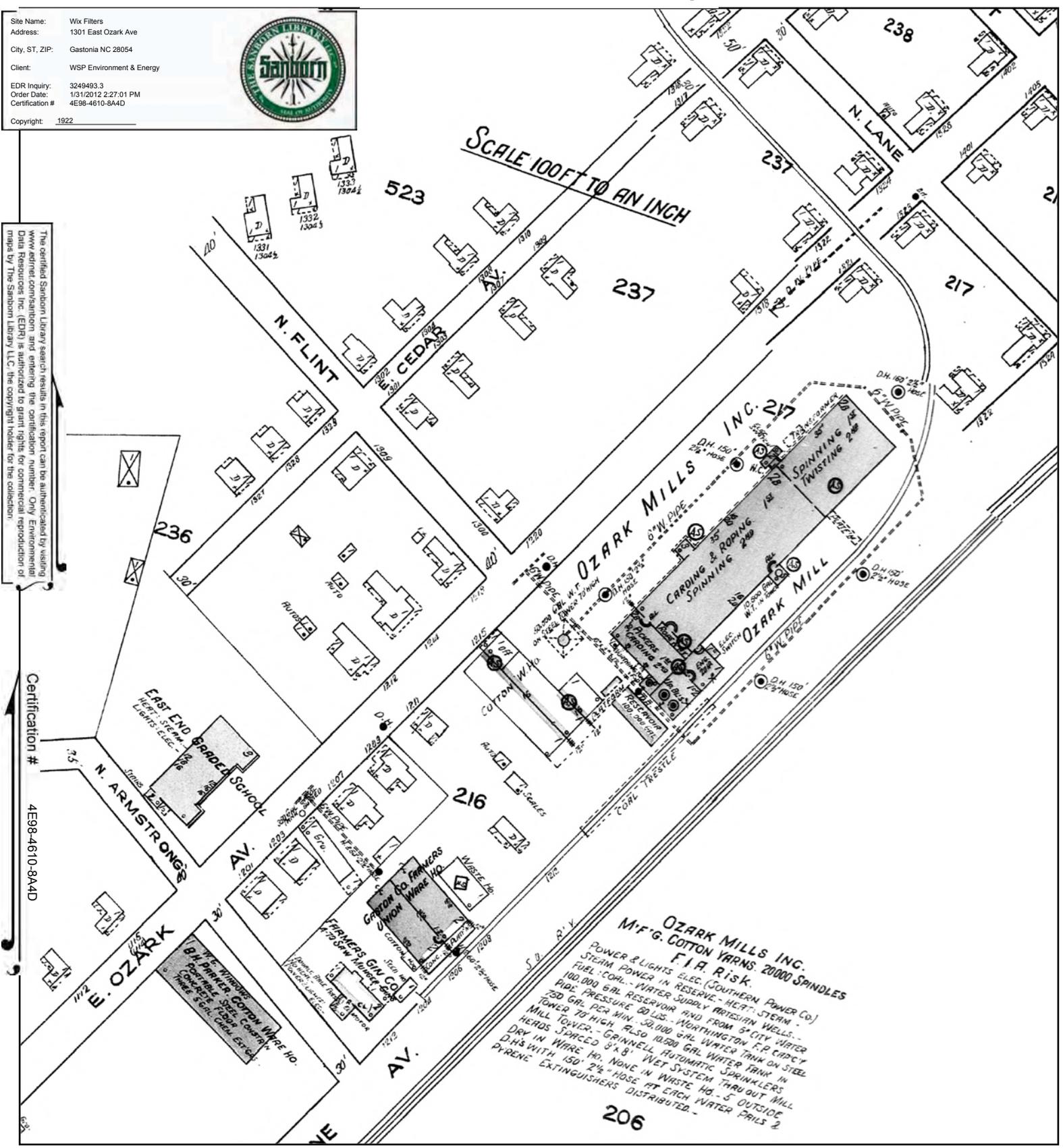
1922 Certified Sanborn Map

Site Name: Wix Filters
 Address: 1301 East Ozark Ave
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3249493.3
 Order Date: 1/31/2012 2:27:01 PM
 Certification #: 4E98-4610-8A4D
 Copyright: 1922

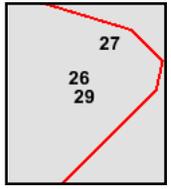
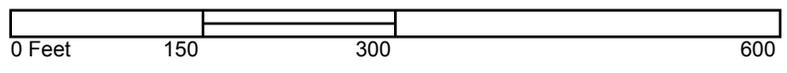


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- Volume 1, Sheet 27
- Volume 1, Sheet 29
- Volume 1, Sheet 26

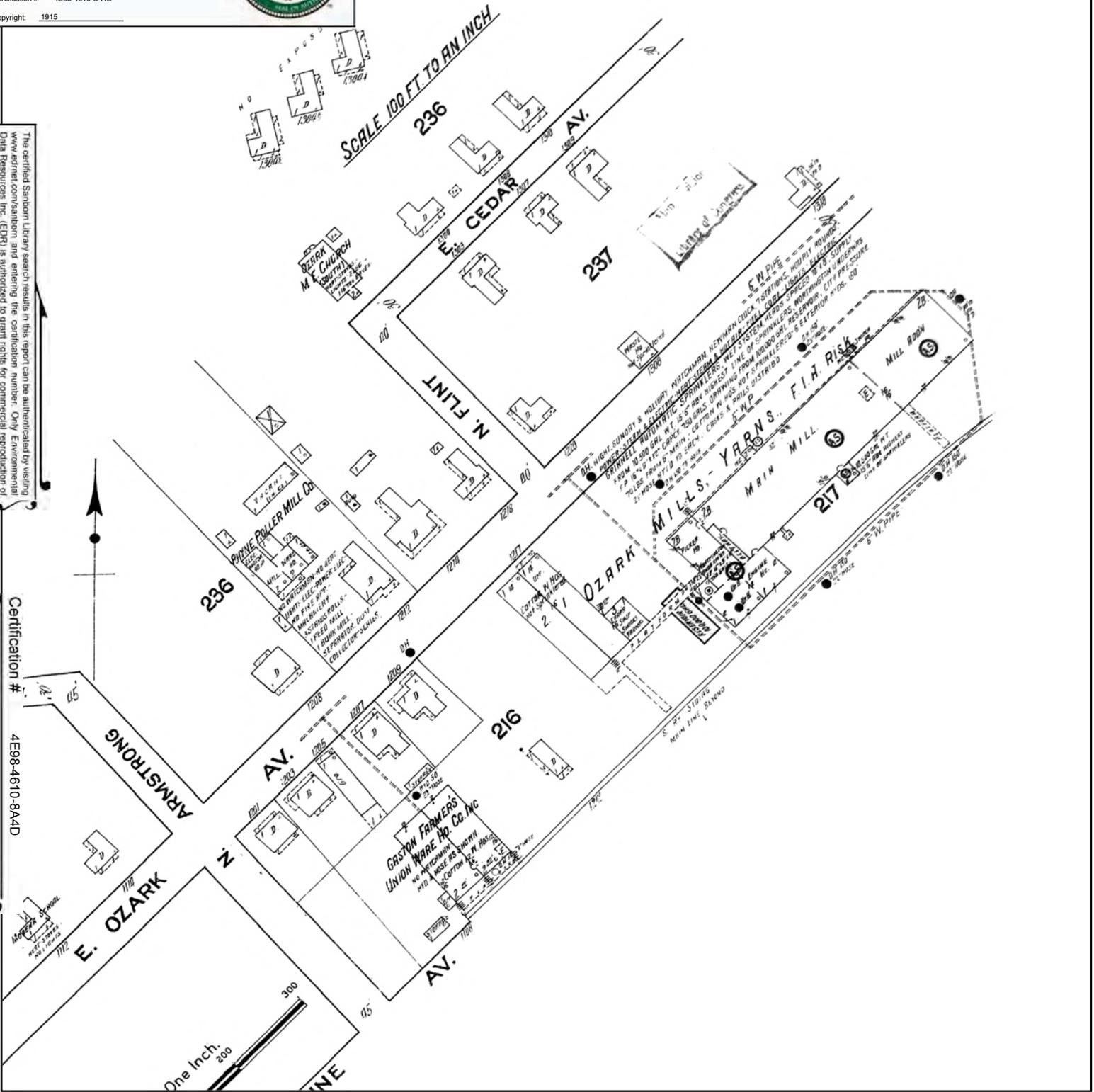


1915 Certified Sanborn Map

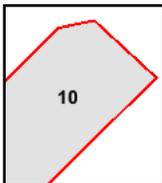
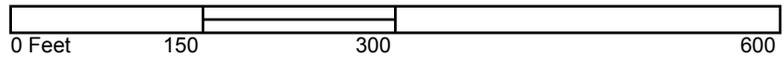
Site Name: Wix Filters
 Address: 1301 East Ozark Ave
 City, ST, ZIP: Gastonia NC 28054
 Client: WSP Environment & Energy
 EDR Inquiry: 3249493.3
 Order Date: 1/31/2012 2:27:01 PM
 Certification #: 4E98-4610-8A4D
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Volume 1, Sheet 10





Wix Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.4
January 31, 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.
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with any questions or comments.

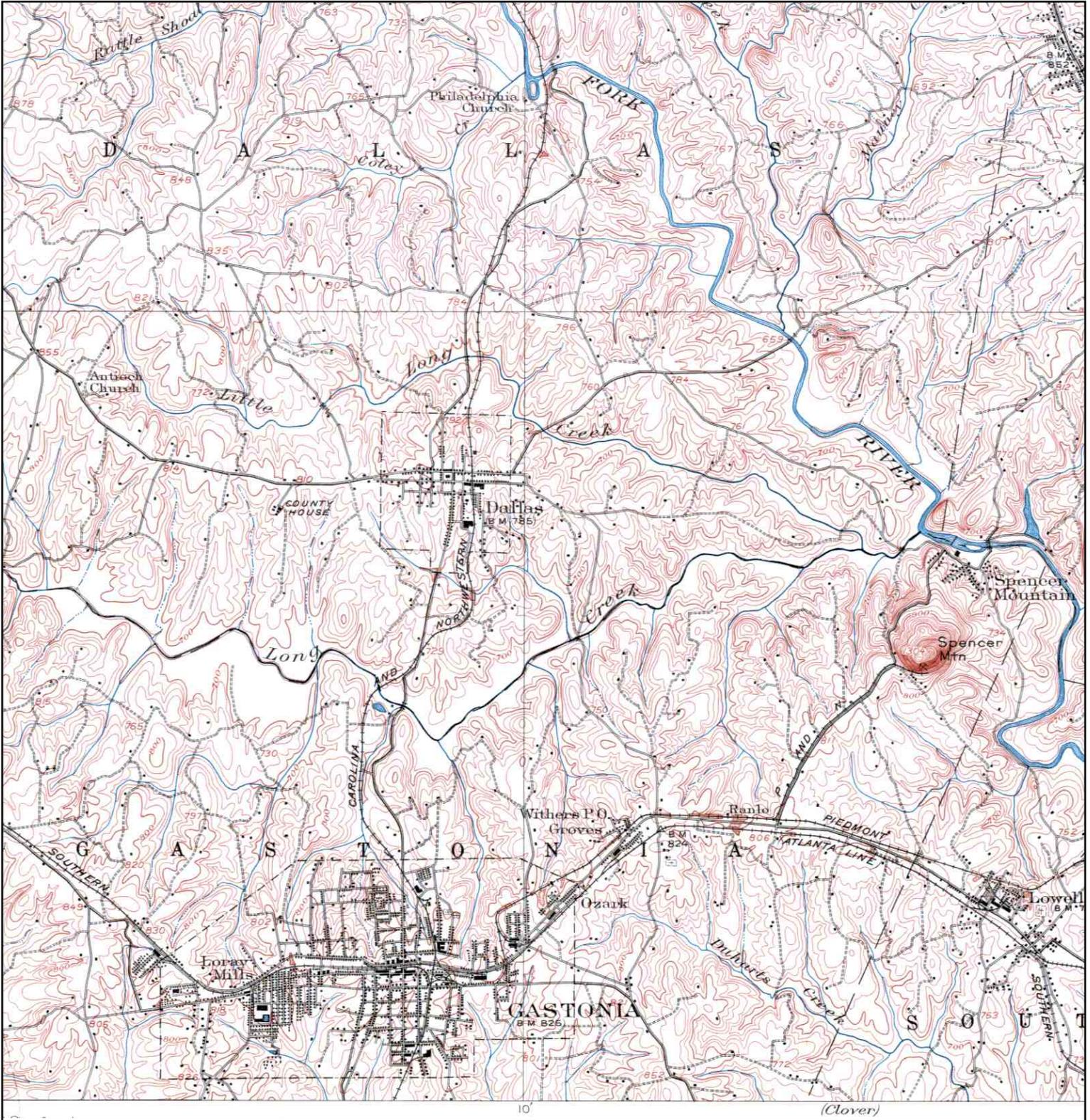
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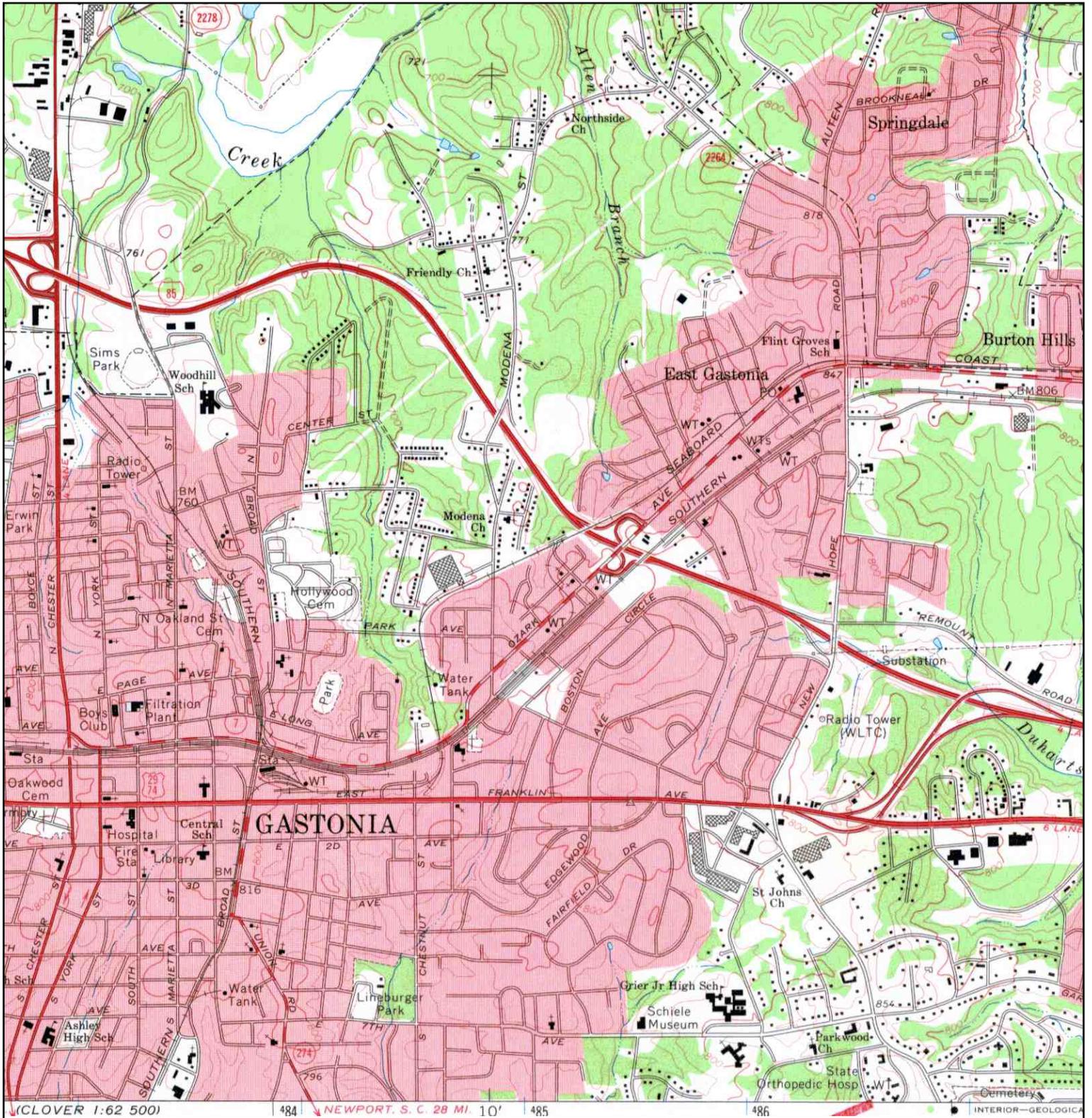
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Historical Topographic Map



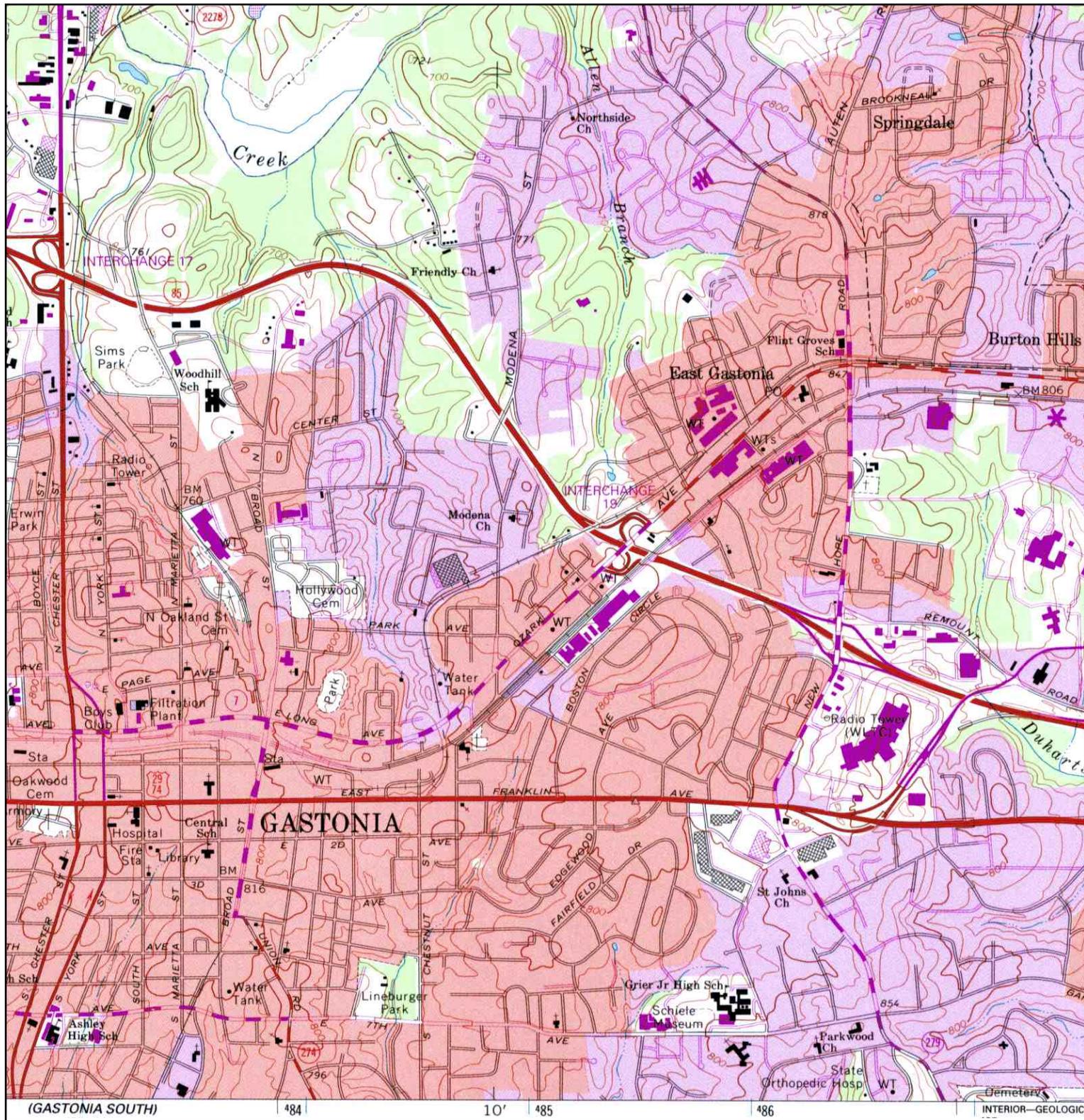
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	NAME: GASTONIA	ADDRESS: 1301 East Ozark Ave	CONTACT: Frank Giles
	MAP YEAR: 1914	GASTONIA, NC 28054	INQUIRY#: 3249493.4
	SERIES: 15	LAT/LONG: 35.2696 / -81.1639	RESEARCH DATE: 01/31/2012
	SCALE: 1:62500		

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: GASTONIA NORTH MAP YEAR: 1970</p>	<p>SITE NAME: Wix Filters ADDRESS: 1301 East Ozark Ave Gastonia, NC 28054 LAT/LONG: 35.2696 / -81.1639</p>	<p>CLIENT: WSP Environment & Energy CONTACT: Frank Giles INQUIRY#: 3249493.4 RESEARCH DATE: 01/31/2012</p>
	<p>SERIES: 7.5</p>		
	<p>SCALE: 1:24000</p>		

Historical Topographic Map



<p>N</p>	<p>TARGET QUAD NAME: GASTONIA NORTH MAP YEAR: 1993</p>	<p>SITE NAME: Wix Filters ADDRESS: 1301 East Ozark Ave Gastonia, NC 28054 LAT/LONG: 35.2696 / -81.1639</p>	<p>CLIENT: WSP Environment & Energy CONTACT: Frank Giles INQUIRY#: 3249493.4 RESEARCH DATE: 01/31/2012</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		



Wix Filters

1301 East Ozark Ave
Gastonia, NC 28054

Inquiry Number: 3249493.5
February 01, 2012

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography February 01, 2012

Target Property:

1301 East Ozark Ave

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"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: August 16, 1961	EDR
1969	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: March 17, 1969	EDR
1973	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: March 21, 1973	EDR
1976	Aerial Photograph. Scale: 1"=1000'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: February 12, 1976	EDR
1984	Aerial Photograph. Scale: 1"=1000'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: February 02, 1984	EDR
1989	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: March 11, 1989	EDR
1993	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-C2, Gastonia North, NC; Composite DOQQ - acquisition dates: March 01, 1993	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: January 21, 1994	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 35081-C2, Gastonia North, NC; Flight Date: April 05, 1998	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-C2, Gastonia North, NC; Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-C2, Gastonia North, NC; Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 35081-C2, Gastonia North, NC; Flight Year: 2008	EDR



INQUIRY #: 3249493.5

YEAR: 1961

 = 750'



INQUIRY #: 3249493.5

YEAR: 1969



| = 750'





INQUIRY #: 3249493.5

YEAR: 1973

| = 750'





INQUIRY #: 3249493.5

YEAR: 1976

| = 1000'





INQUIRY #: 3249493.5

YEAR: 1984

| = 1000'





INQUIRY #: 3249493.5

YEAR: 1989

|—————| = 750'



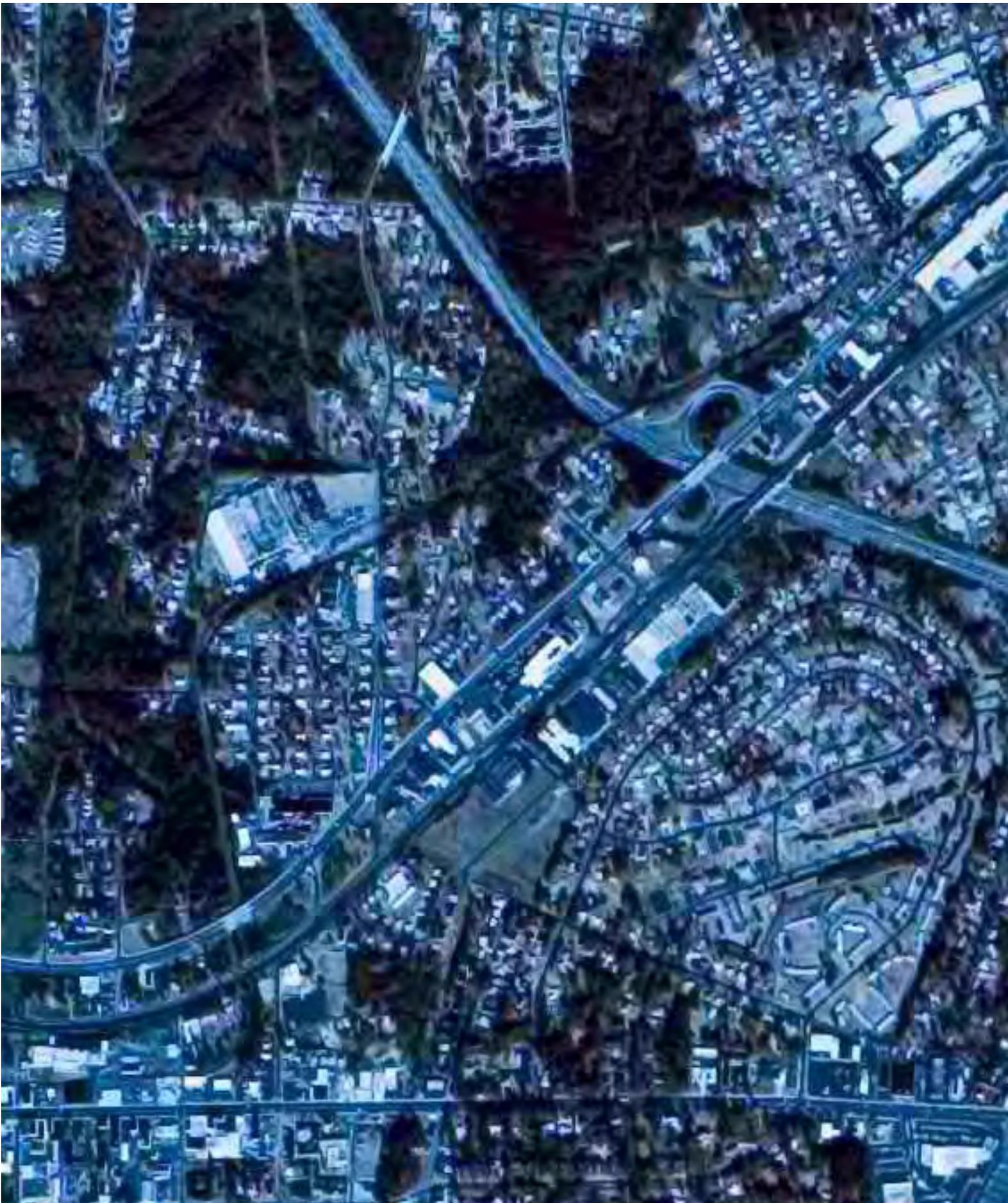


INQUIRY #: 3249493.5

YEAR: 1993

| = 500'





INQUIRY #: 3249493.5

YEAR: 1994

| = 750'





INQUIRY #: 3249493.5

YEAR: 1998

| = 750'





INQUIRY #: 3249493.5

YEAR: 2005

| = 500'





INQUIRY #: 3249493.5

YEAR: 2006

|—————| = 500'





INQUIRY #: 3249493.5

YEAR: 2008

| = 500'



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 Ozark 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:

- Ozark Plant – 1301 East Ozark Avenue, 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 October 4, 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 assessment at the facility October 10-18, 2012, in accordance with WSP's October 9, 2012 proposal to Affinia and MGC. The following scope of work was implemented:

- One boring was completed in the press room (SB-1). Two soil samples were collected at 0 to 2 feet below ground surface (bgs) and at 6 to 8 feet bgs, for analysis for VOCs, PAHs, and RCRA metals. One monitoring well boring (MW-1) was completed and sampled for analysis of VOCs, PAHs, and metals.
- Two borings were completed in the area of the former hydraulic systems (SB-2 and SB-3). One soil sample was collected at 2 to 4 feet bgs, for analysis for PAHs and PCBs.
- One surface sample was collected from the cinders/sub-base material beneath the wooden basement floor (SS-1), for analysis for VOCs, PAHs, PCBs, and RCRA metals.
- Four monitoring wells (MW-2, MW-3, MW-4, and MW-5) were installed at upgradient and downgradient property locations. Groundwater samples collected from each well were analyzed for VOCs, PAHs, and RCRA metals. One soil sample was collected at each location, with the exception of MW-4 (former underground storage tank area), from the

interval with the highest photoionization (PID) detection/visual observations (SB-4¹, SB-5² and SB-7) for analysis for VOCs, PAHs, and metals.

The soil boring and monitoring well locations for the Ozark 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 2 to 40 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 bottom of the boring 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, MW-4, and MW-5) were installed to depths of 30 to 40 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).

¹ Due to the regolith encountered at MW-2/SB-4, no soil sample was collected.

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 Ozark Plant is approximately 22 to 36 feet bgs (Table 1). The direction of groundwater flow at the Ozark Plant is towards the north (Figure 2).

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.

The following parameters were detected above PSRGs:

Parameter	Sample	Concentration ³	Residential	Industrial	Protection of Groundwater
Tetrachloroethene	SB-7 2-4 feet bgs	9.4	17,000	82,000	5
Benzo(a)anthracene	SS-1 0-2 feet bgs	<i>11,900</i>	150	2,100	180
Benzo(a)pyrene	SS-1 0-2 feet bgs	<i>9,520</i>	15	210	59
Benzo(b)fluoranthene	SS-1 0-2 feet bgs	<i>7,100</i>	150	2,100	600
Benzo(k)fluoranthene	SS-1 0-2 feet bgs	<i>8,810</i>	1,500	21,000	5,900
Indeno(1,2,3-cd)pyrene	SS-1 0-2 feet bgs	<i>4,860</i>	150	2,100	2,000
Dibenz(a,h)anthracene	SS-1 0-2 feet bgs	<i>1,640</i>	15	210	190
Arsenic	SB-1 0-2 feet bgs	<u>1.9</u>	0.39	1.6	5.8
	SB-1 6-8 feet bgs	<u>3</u>			
		<u>3.5</u>			
	SB-5 25.5-27.5 feet bgs	<u>3.3</u>			
	SB-7 2-4 feet bgs	<u>3.5</u>			
	SS-1 0-2 feet bgs	<u>3.8</u>			
Cadmium	SB-7 2-4 feet bgs	3.7	14	160	3
Selenium	SS-1 0-2 feet bgs	3.5	78	1,000	2.1

No VOCs, PAHs, or dissolved metals were detected above the North Carolina Groundwater Standard in the samples collected from the newly installed monitoring wells. Low concentrations (below North Carolina groundwater standards) of chloroform (MW-1 2.4 micrograms per liter [$\mu\text{g}/\text{l}$]), toluene (MW-5 1.1 $\mu\text{g}/\text{l}$), barium (MW-1, MW-2, MW-3, and MW-5 73 to 113 $\mu\text{g}/\text{l}$), and cadmium (MW-1 1.4 $\mu\text{g}/\text{l}$) were detected.

Conclusions

Soil and groundwater samples were collected at Ozark Plant to further evaluate several suspect and recognized environmental conditions identified during a recent Phase I environmental assessments of the property. The following conclusions are based on sample data collected during WSP's limited Phase II assessment:

³ Organics presented as micrograms per kilogram ($\mu\text{g}/\text{kg}$); 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.

- Tetrachloroethene (PCE) was detected above the protection of groundwater PSRG in a soil sample collected from SB-7, located in the south side of the Press Room; PCE was not detected in any groundwater samples collected.
- Fill material located beneath the wooden floor in the Old Building contains PAHs at concentrations greater than the industrial, residential and protection of groundwater PSRG.
- All soil samples 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 be below site-specific natural background concentrations when a Health-Based PSRG is exceeded.⁴
- Selenium was detected at a concentration 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.
- Cadmium was detected at concentrations slightly higher than the protection of groundwater PSRG; cadmium was not detected above the North Carolina Groundwater Standard (2 µg/l) in any of the groundwater samples collected. Although cadmium concentrations detected in site soils are greater than the average published by NCDACS (0.1 mg/kg), cadmium 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.
- No groundwater impacts 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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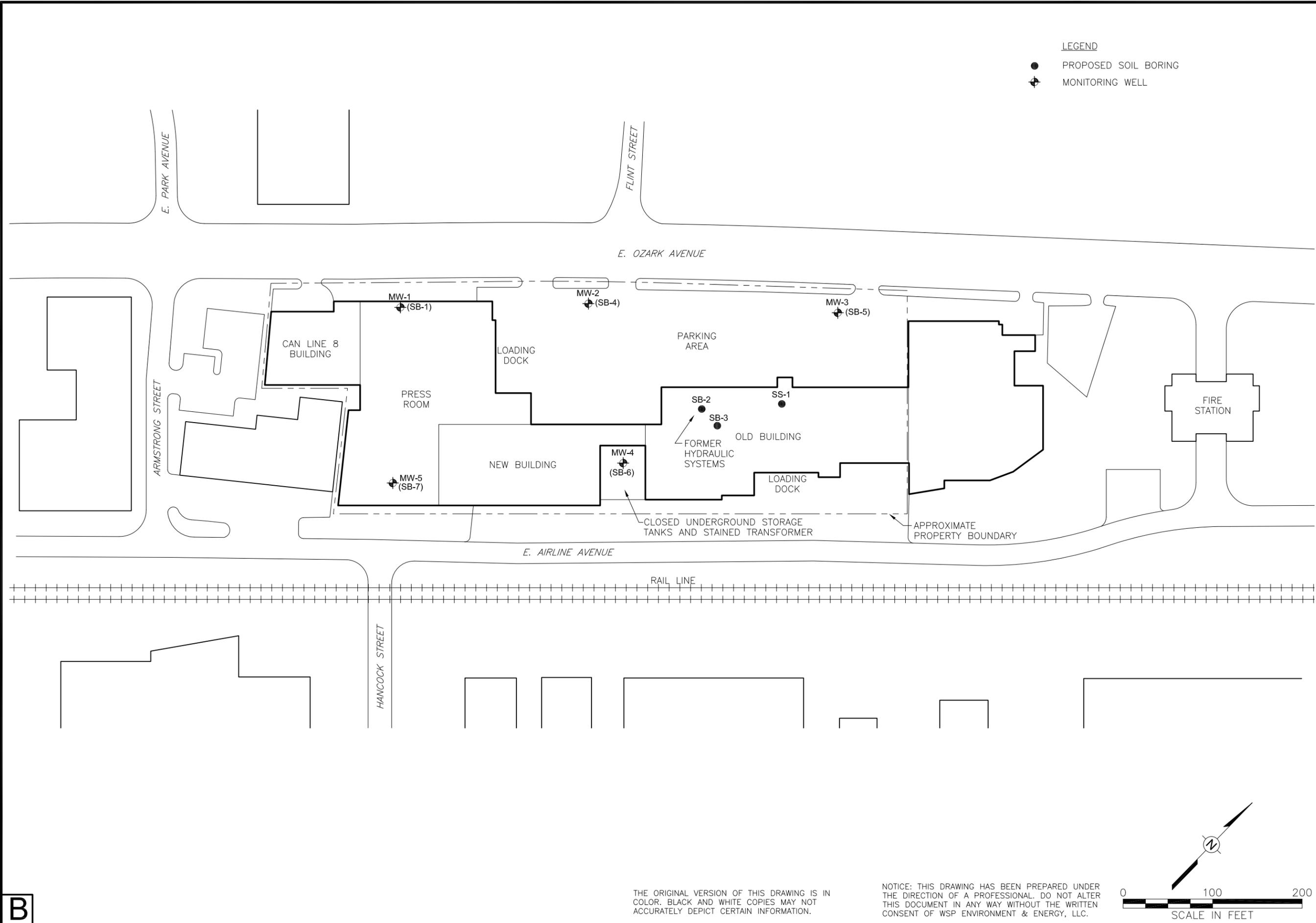
Enclosures

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

- PROPOSED SOIL BORING
- ⊕ MONITORING WELL

Drawn By: EGC
 Checked: *Ejmtk 10/12/2012*
 Approved: *MPG 11/19/2012*
 DWG Name: 00035106-003

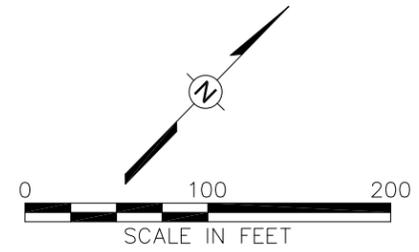
1301 E OZARK AVENUE
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA
 ANN ARBOR, MICHIGAN

Figure 1
 OZARK 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

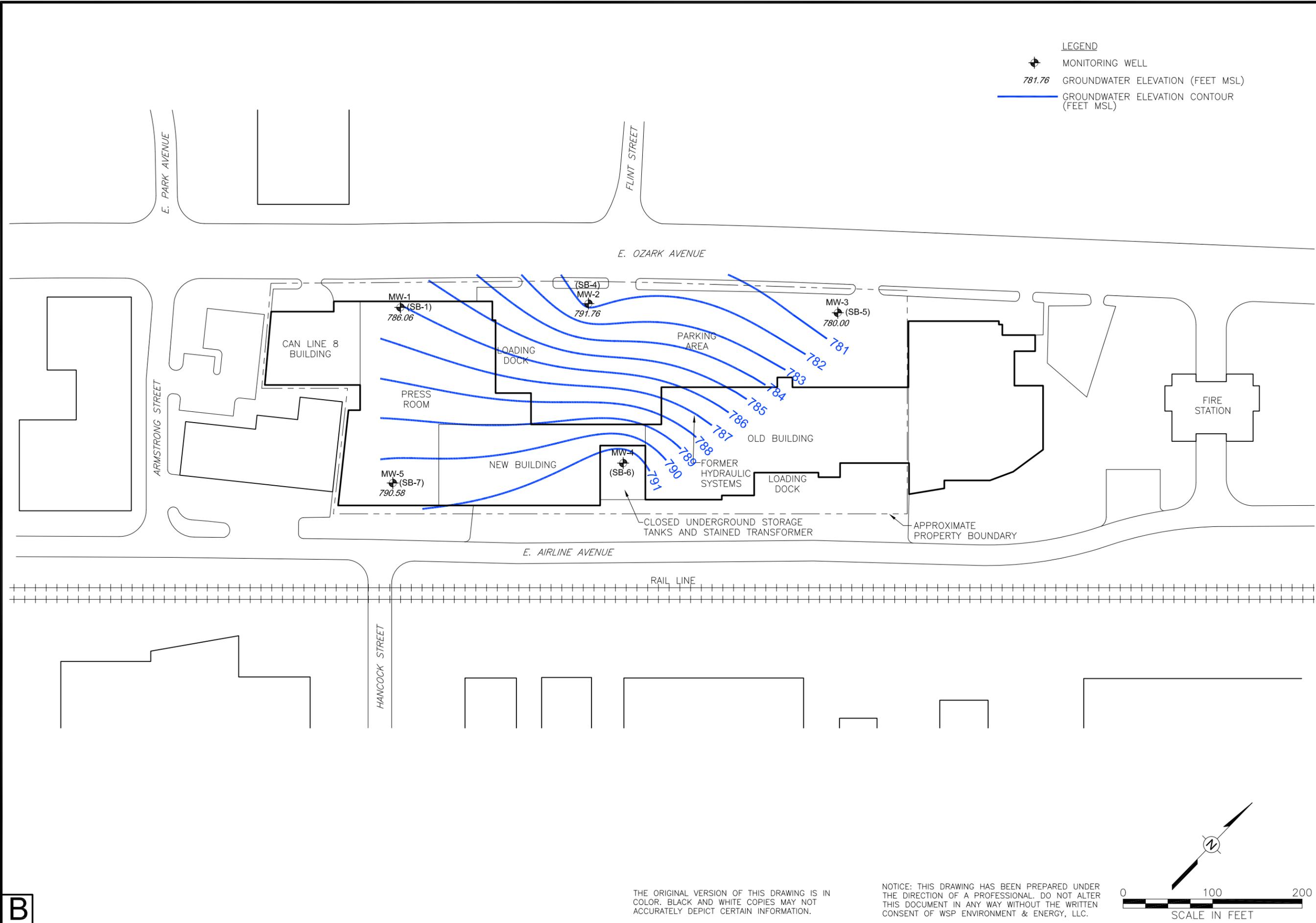
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B



LEGEND
 ⚬ MONITORING WELL
 781.76 GROUNDWATER ELEVATION (FEET MSL)
 — GROUNDWATER ELEVATION CONTOUR (FEET MSL)

Drawn By: EGC
 Checked: *[Signature]* 10/12/2012
 Approved: *[Signature]* 11/19/2012
 DWG Name: 00035106-004

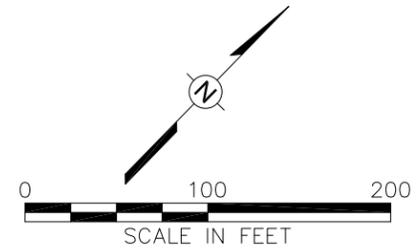
1301 E OZARK AVENUE
 GASTONIA, NORTH CAROLINA
 PREPARED FOR
 AFFINIA
 ANN ARBOR, MICHIGAN

Figure 2
 OZARK PLANT – POTENTIOMETRIC SURFACE
 OCTOBER 2012

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

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Tables

Table 1
Well Construction and Groundwater Elevation Summary
Ozark Plant
Project Double Eagle
November 19, 2012

<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>
MW-1	559866.5	1354010	35 - 40	0.75	822.49	822.61	36.43	786.06
MW-2	560013.7	1354159	35 - 40	0.75	814.64	814.81	32.88	781.76
MW-3	560197.5	1354366	25 - 30	0.75	808.95	809.1	28.95	780
MW-4	559912.6	1354308	19 - 24	0.75	814.5	814.57	22.55	791.95
MW-5	559720	1354139	32 - 37	0.75	824.39	824.6	33.81	790.58

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
Ozark Plant
Project Double Eagle
November 19, 2012 (a)

Parameters	North Carolina PSRGs			Ozark Plant								
	Residential	Industrial	Groundwater	SB-1			SB-2		SB-3	SB-5	SB-7	SS-1
				0-2	6-8	6-8	2-4	2-4	2-4	25.5-27.5	2-4	0-2
				Depth (ft-bgs):								
Sample Date:	Sample Date:	Sample Date:	10/10/2012	10/10/2012	10/10/2012	10/11/2012	10/11/2012 (b)	10/11/2012	10/10/2012	10/10/2012	10/11/2012	
Volatile Organic Compounds (µg/kg)												
Acetone	12,000,000	100,000,000	24,000	111 U	114 U	103 U	-	-	-	91.7 U	99.6 U	142 U
Benzene	1,100	5,400	7.3	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Bromobenzene	60,000	360,000	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Bromochloromethane	32,000	140,000	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Bromodichloromethane	270	1,400	2.9	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Bromoform	62,000	220,000	19	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Bromomethane	1,500	6,400	48	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
2-Butanone (MEK)	5,600,000	28,000,000	16,000	111 U	114 U	103 U	-	-	-	91.7 U	99.6 U	142 U
n-Butylbenzene	110,000	110,000	2,400	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
sec-Butylbenzene	-	-	2,200	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
tert-Butylbenzene	-	-	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Carbon tetrachloride	610	3,000	2.1	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Chlorobenzene	58,000	280,000	430	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Chloroethane	2,100,000	2,100,000	16,000	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
Chloroform	290	1,500	340	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Chloromethane	24,000	100,000	15	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
2-Chlorotoluene	320,000	910,000	1,200	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
4-Chlorotoluene	250,000	250,000	280	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Dibromochloromethane	680	3,300	1.9	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2-Dibromo-3-chloropropane	5.4	69	0.25	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2-Dibromoethane (EDB)	34	170	0.097	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Dibromomethane	5,000	22,000	310	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2-Dichlorobenzene	380,000	380,000	240	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,3-Dichlorobenzene	-	-	2,400	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,4-Dichlorobenzene	2,400	12,000	70	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Dichlorodifluoromethane	19,000	80,000	29,000	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
1,1-Dichloroethane	3,300	17,000	30	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2-Dichloroethane	430	2,200	2	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
cis-1,2-Dichloroethene	32,000	400,000	360	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
trans-1,2-Dichloroethene	30,000	140,000	510	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1-Dichloroethene	48,000	220,000	45	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2-Dichloropropane	940	4,700	3.2	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,3-Dichloropropane	320,000	1,500,000	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
2,2-Dichloropropane	-	-	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
cis-1,3-Dichloropropene	-	-	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
trans-1,3-Dichloropropene	-	-	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1-Dichloropropene	-	-	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Diisopropyl ether	480,000	2,000,000	320	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Ethylbenzene	5,400	27,000	8,100	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Hexachloro-1,3-butadiene	6,200	22,000	8.7	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
2-Hexanone	42,000	280,000	170	55.6 U	57.1 U	51.3 U	-	-	-	45.8 U	49.8 U	70.8 U
Isopropylbenzene (Cumene)	270,000	270,000	1,300	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
p-Isopropyltoluene	-	-	680	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Methylene Chloride	56,000	620,000	23	22.2 U	22.8 U	20.5 U	-	-	-	18.3 U	19.9 U	28.3 U
4-Methyl-2-pentanone (MIBK)	1,100,000	3,400,000	430	55.6 U	57.1 U	51.3 U	-	-	-	45.8 U	49.8 U	70.8 U
Methyl-tert-butyl ether	43,000	220,000	85	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Naphthalene	3,600	18,000	210	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	15.2
n-Propylbenzene	260,000	260,000	1,500	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Styrene	870,000	870,000	920	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1,1,2-Tetrachloroethane	1,900	9,300	5.9	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1,2,2-Tetrachloroethane	560	2,800	1.2	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Tetrachloroethene	17,000	82,000	5	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	9.4	7.1 U
Toluene	820,000	820,000	5,500	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2,3-Trichlorobenzene	9,800	98,000	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2,4-Trichlorobenzene	12,000	54,000	2,200	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1,1-Trichloroethane	640,000	640,000	1,200	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,1,2-Trichloroethane	320	1,400	3.2	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Trichloroethene	880	4,000	18	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Trichlorofluoromethane	160,000	680,000	24,000	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U

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

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

Parameters	Plant:			Ozark Plant								
	Boring Location			SB-1			SB-2		SB-3	SB-5	SB-7	SS-1
	Depth (ft-bgs):			0-2	6-8	6-8	2-4	2-4	2-4	25.5-27.5	2-4	0-2
	Sample Date:			10/10/2012	10/10/2012	10/10/2012	10/11/2012	10/11/2012 (b)	10/11/2012	10/10/2012	10/10/2012	10/11/2012
North Carolina PSRGs												
1,2,3-Trichloropropane	5	95	0.032	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,2,4-Trimethylbenzene	12,000	52,000	6,700	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
1,3,5-Trimethylbenzene	160,000	180,000	6,700	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Vinyl acetate	190,000	820,000	370	55.6 U	57.1 U	51.3 U	-	-	-	45.8 U	49.8 U	70.8 U
Vinyl chloride	60	1,700	0.19	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
m&p-Xylene	-	-	-	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
o-Xylene	140,000	430,000	-	5.6 U	5.7 U	5.1 U	-	-	-	4.6 U	5 U	7.1 U
Xylene (Total)	130,000	260,000	5,800	11.1 U	11.4 U	10.3 U	-	-	-	9.2 U	10 U	14.2 U
Polycyclic Aromatic Hydrocarbons (µg/kg)												
Acenaphthene	680,000	6,600,000	8,400	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	377 U
Acenaphthylene	-	-	21,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	1,800
Anthracene	3,400,000	34,000,000	660,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	2,670
Benzo(a)anthracene	150	2,100	180	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	11,900
Benzo(a)pyrene	15	210	59	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	9,520
Benzo(b)fluoranthene	150	2,100	600	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	7,100
Benzo(g,h,i)perylene	-	-	7,800,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	5,240
Benzo(k)fluoranthene	1,500	21,000	5,900	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	8,810
Indeno(1,2,3-cd)pyrene	150	2,100	2,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	4,860
Chrysene	15,000	210,000	18,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	10,600
Dibenz(a,h)anthracene	15	210	190	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	1,640
Fluoranthene	460,000	4,400,000	330,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	24,300
Fluorene	460,000	4,400,000	56,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	602
1-Methylnaphthalene	16,000	53,000	55	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	377 U
2-Methylnaphthalene	46,000	370,000	1,600	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	377 U
Naphthalene	3,600	18,000	210	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	377 U
Phenanthrene	-	-	-	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	9,780
Pyrene	340,000	3,400,000	220,000	425 U	402 U	384 U	347 U	-	378 U	393 U	431 U	19,900
Total Petroleum Hydrocarbons (mg/kg)												
Diesel Components	-	-	-	-	-	-	-	-	-	-	-	-
Gasoline Range Organics	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCB) (µg/kg)												
PCB-1016 (Aroclor 1016)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1221 (Aroclor 1221)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1232 (Aroclor 1232)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1242 (Aroclor 1242)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1248 (Aroclor 1248)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1254 (Aroclor 1254)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCB-1260 (Aroclor 1260)	-	-	-	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
PCBs, Total	1,000	1,000	140	-	-	-	34.7 U	37.6 U	37.8 U	-	-	37.7 U
Metals (mg/kg)												
Arsenic	0.39	1.6	5.8	1.9	3	3.5	-	-	-	3.3	3.5	3.8
Barium	3,000	38,000	580	68.1	129	166	-	-	-	65.6	54.3	109
Cadmium	14	160	3	1.3	2.5	1.1	-	-	-	0.1	3.7	0.51
Chromium	-	-	-	7.3	9.7	7.1	-	-	-	1.8	20.9	11.5
Lead	400	800	270	22.1	22.5	17.3	-	-	-	6.7	16.7	11.6
Selenium	78	1,000	2.1	1.2 U	1	1 U	-	-	-	0.92 U	1.4	3.5
Silver	78	1,000	3.4	0.58 U	0.47 U	0.51 U	-	-	-	0.46 U	0.54 U	0.53 U
Mercury	2	3.1	1	0.099	0.011	0.0073	-	-	-	0.004 U	0.088	0.0058

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
Ozark Plant
Project Double Eagle
November 19, 2012 (a)

<u>Parameters</u>	Plant:		Ozark				
	Monitoring Well:	MW-1	MW-2	MW-3	MW-4		MW-5
	Sample Date:	10/17/2012	10/17/2012	10/17/2012	10/18/2012	10/18/2012 (b)	10/17/2012
North Carolina							
GW Standard (c)							
Volatile Organic Compounds (µg/l)							
Acetone	6,000	25 U (d)	25 U	25 U	25 U	25 U	25 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U
Bromobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	-	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	4	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	-	2 U	2 U	2 U	2 U	2 U	2 U
2-Butanone (MEK)	4,000	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	0.3	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	50	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	3,000	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	70	2.4	1 U	1 U	1 U	1 U	1 U
Chloromethane	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorotoluene	100	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorotoluene	-	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	0.4	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane (EDB)	0.02	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	-	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	20	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	200	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	6	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1,000	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	6	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.4	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	70	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	0.6	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	-	1 U	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	-	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	-	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U
Diisopropyl ether	-	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	600	1 U	1 U	1 U	1 U	1 U	1 U
Hexachloro-1,3-butadiene	-	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	-	5 U	5 U	5 U	5 U	5 U	5 U
p-Isopropyltoluene	-	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone (MIBK)	-	5 U	5 U	5 U	5 U	5 U	5 U
Methyl-tert-butyl ether	20	1 U	1 U	1 U	1 U	1 U	1 U

Shaded values result > North Carolina Standard

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

<u>Parameters</u>	<u>North Carolina GW Standard (c)</u>	<u>Ozark</u>					
		<u>Plant:</u>	<u>Ozark</u>				
		<u>Monitoring Well:</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>	<u>MW-4</u>	
<u>Sample Date:</u>	<u>10/17/2012</u>	<u>10/17/2012</u>	<u>10/17/2012</u>	<u>10/18/2012</u>	<u>10/18/2012 (b)</u>	<u>10/17/2012</u>	
Naphthalene	6	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	70	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1,2-Tetrachloroethane	0.2	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	0.7	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	600	1 U	1 U	1 U	1 U	1 U	1.1
1,2,3-Trichlorobenzene	-	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	70	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	-	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	3	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	2,000	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.005	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl acetate	-	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl chloride	0.03	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	-	2 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	-	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (Total)	500	2 U	2 U	2 U	2 U	2 U	2 U
Polycyclic Aromatic Hydrocarbons (µg/l)							
Acenaphthene	80	10 U	10 U	10 U	20 U	10 U	10 U
Acenaphthylene	200	10 U	10 U	10 U	20 U	10 U	10 U
Anthracene	2,000	10 U	10 U	10 U	20 U	10 U	10 U
Benzo(a)anthracene	0.05	10 U	10 U	10 U	20 U	10 U	10 U
Benzo(a)pyrene	0.005	10 U	10 U	10 U	20 U	10 U	10 U
Benzo(b)fluoranthene	0.05	10 U	10 U	10 U	20 U	10 U	10 U
Benzo(g,h,i)perylene	200	10 U	10 U	10 U	20 U	10 U	10 U
Benzo(k)fluoranthene	0.5	10 U	10 U	10 U	20 U	10 U	10 U
Chrysene	5	10 U	10 U	10 U	20 U	10 U	10 U
Dibenz(a,h)anthracene	0.005	10 U	10 U	10 U	20 U	10 U	10 U
Fluoranthene	300	10 U	10 U	10 U	20 U	10 U	10 U
Fluorene	300	10 U	10 U	10 U	20 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	0.05	10 U	10 U	10 U	20 U	10 U	10 U
1-Methylnaphthalene	-	10 U	10 U	10 U	20 U	10 U	10 U
2-Methylnaphthalene	30	10 U	10 U	10 U	20 U	10 U	10 U
Naphthalene	6	10 U	10 U	10 U	20 U	10 U	10 U
Phenanthrene	200	10 U	10 U	10 U	20 U	10 U	10 U
Pyrene	200	10 U	10 U	10 U	20 U	10 U	10 U

Shaded values result > North Carolina Standard

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

Plant:	Ozark					
Monitoring Well:	MW-1	MW-2	MW-3	MW-4		MW-5
Sample Date:	10/17/2012	10/17/2012	10/17/2012	10/18/2012	10/18/2012 (b)	10/17/2012

Parameters

**North Carolina
GW Standard (c)**

Dissolved Metals (µg/l)

Arsenic	10	5 U	5 U	5 U	5 U	5 U	5 U
Barium	700	113	225	73	5 U	5 U	82.4
Cadmium	2	1.4	1 U	1 U	1 U	1 U	1 U
Chromium	10	5 U	5 U	5 U	5 U	5 U	5 U
Lead	15	5 U	5 U	5 U	5 U	5 U	5 U
Selenium	20	10 U					
Silver	20	5 U	5 U	5 U	5 U	5 U	5 U
Mercury	1	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/ North Carolina Groundwater Standard, 15A NCAC 2L.0202, January 1, 2010.

d/ 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-1)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 822.61

TOC Elevation (feet AMSL*): 822.49

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		80	Concrete.		
2 - 5.5					Lean Clay (CL) Silty clay, yellow brown (10 YR 6/6); stiff; plastic; moist.		
5.5 - 10		0		70	Lean Clay (CL) Silty clay, yellow brown (10 YR 6/6), weathered saprolite; friable; moist.		
10 - 15		0		60	Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, pale brown (10 YR 6/3); friable; moist.		
15 - 20		0		75	Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, pale brown (10 YR 6/3); loose; dry.		

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

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

Boring Log: MW-1 (SB-1)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 822.61

TOC Elevation (feet AMSL*): 822.49

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	
22		0		65		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, pale brown (10 YR 6/3); loose; dry. <i>(continued)</i>	
24							
26		0		80		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1); loose; dry to wet at 37 feet.	
28							
30		0		80			
32							
34		0		80			
36							
38		0		80			
40							

Bottom of Boring at 40 feet

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

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Boring Log: MW-2 (SB-4)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 814.81

TOC Elevation (feet AMSL*): 814.64

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					Lean Clay (CL) Silty clay, black (7.5 YR 2.5/1), gravel, fill; dry.		
6					Silt (ML) Clayey silt, light gray (10 YR 7/1), weathered saprolite, mica; loose; friable; dry.		
8		0		50		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1), weathered saprolite; loose; dry to wet at 37 feet.	
10							
12		0		25			
14							
16							
18		0		100			
20							

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

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

Boring Log: MW-2 (SB-4)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 814.81

TOC Elevation (feet AMSL*): 814.64

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	
22		0		70		<p>Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1), weathered saprolite; loose; dry to wet at 37 feet. <i>(continued)</i></p>	
24							
26		0		70			
28							
30							
32		0		75			
34							
36							
38		0		75			
40							

Bottom of Boring at 40 feet

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

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
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Boring Log: MW-3 (SB-5)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 809.1

TOC Elevation (feet AMSL*): 808.95

Total Depth (feet): 30

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		40	Asphalt.		
2		0		40	Lean Clay (CL)	Silty clay, orangish red (5 YR 6/8), saprolite, mica; friable; dry.	
4							
6		0		100	Lean Clay (CL)	Silty clay, orangish red (5 YR 6/8), 9 feet to 9.5 feet lense of weathered rock; stiff; plastic; moist.	
8							
10							
12		0		100	Lean Clay (CL)	Silty clay, orangish red (5 YR 6/8), weathered saprolite, mica; friable; moist.	
14							
16		0		100	Silt (ML)	Clayey silt, pale brown (10 YR 6/3), some weathered saprolite; friable; moist.	
18							
20							

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

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Boring Log: MW-3 (SB-5)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 809.1

TOC Elevation (feet AMSL*): 808.95

Total Depth (feet): 30

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		100		<p>Silt (ML) Clayey silt, pale brown (10YR 6/3) and light gray (10 YR 7/1), some weathered saprolite; friable; moist.</p>	
24							
26		0		100		<p>Silt (ML) Clayey silt, pale brown (10 YR 6/3) and light gray (10 YR 7/1), some weathered saprolite; friable; moist to wet at 27.5 feet.</p>	
28							
30						Bottom of Boring at 30 feet	
32							
34							
36							
38							
40							

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

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

Boring Log: MW-4 (SB-6)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/11/2012

Surface Elevation (feet AMSL*): 814.57

TOC Elevation (feet AMSL*): 814.5

Total Depth (feet): 30

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						Topsoil, dark brown (7.5 YR 3/2); loose; dry.	
2		0		20		Lean Clay (CL) Silty clay, dark brown (7.5 YR 3/2); ash, wood, brick; loose; dry to wet from 5 feet to 10 feet.	
4							
6		0		20			
8							
10						Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1); loose; moist.	
12		0		80			
14							
16							
18		0		90		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1), silty clay, mica; soft; plastic; moist.	
20							

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

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

Boring Log: MW-4 (SB-6)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/11/2012

Surface Elevation (feet AMSL*): 814.57

TOC Elevation (feet AMSL*): 814.5

Total Depth (feet): 30

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		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, light gray (10 YR 7/1); loose; moist to wet at 25 feet.	
24							
26		0		100			
28							
30						Bottom of Boring at 30 feet	
32							
34							
36							
38							
40							

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

WSP Environment & Energy, LLC
 11190 Sunrise Valley Drive, Suite 300
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Boring Log: MW-5 (SB-7)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 824.39

TOC Elevation (feet AMSL*): 824.39

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		75	Concrete.		
4					Lean Clay (CL) Silty clay, orangish red (5 YR 6/8), saprolite, mica; stiff; plastic; moist.		
6		0		75			
8					Lean Clay (CL) Silty Clay, pale brown (10 YR 6/3), weathered saprolite, mica; stiff; plastic; moist.		
10		0		75			
12					Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, pale brown (10 YR 6/3), mica; friable; moist to wet at 33 feet.		
14		0		80			
16							
18							
20							

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

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

Boring Log: MW-5 (SB-7)

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/10/2012

Surface Elevation (feet AMSL*): 824.39

TOC Elevation (feet AMSL*): 824.39

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	
22		0		80		Poorly-Graded Gravel with Silt (GP-GM) Weathered saprolite, pale brown (10 YR 6/3), mica; friable; moist to wet at 33 feet. (continued)	
24							
26		0		80			
28							
30							
32		0		80			
34							
36							
38		0		80			
40							

Bottom of Boring at 40 feet

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Chad Smith
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 - Ozark

Surface Elevation (feet AMSL*): Not Determined

Project No.: 32538

Total Depth (feet): 4

Location: Gastonia, North Carolina

Borehole Diameter (inches): 2

Completion Date: 10/11/2012

*AMSL = Above mean sea level



Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		100		Concrete.
4						Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, orangish red (5 YR 6/8); loose; moist.
4						Bottom of Boring at 4 feet
6						
8						
10						
12						
14						
16						
18						
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Chad Smith
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 - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/11/2012

Surface Elevation (feet AMSL*): Not Determined

Total Depth (feet): 4

Borehole Diameter (inches): 3



*AMSL = Above mean sea level

Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		100	Concrete.	Concrete.
4					Sandy Lean Clay (CL)	Sandy Lean Clay (CL) Sandy clay, pale brown (10 YR 6/3), weathered saprolite; loose; dry.
						Bottom of Boring at 4 feet
6						
8						
10						
12						
14						
16						
18						
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Chad Smith
Method: Hand Auger

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

Boring Log: SS-1

Project: Double Eagle - Ozark

Project No.: 32538

Location: Gastonia, North Carolina

Completion Date: 10/11/2012

Surface Elevation (feet AMSL*): Not Determined

Total Depth (feet): 2

Borehole Diameter (inches): 3



*AMSL = Above mean sea level

Sample Data					Subsurface Profile	
Depth	Sample/Interval	PID/OVM (ppm)	Blow Count	% Recovery	Lithology	Description
						Ground Surface
2		0		100	Wood.	
						Ash and slag material, black; loose; dry.
4						Poorly-Graded Gravel with Silt and Sand (GP-GM) Weathered saprolite, orangish red (5 YR 6/8); loose; moist.
						Bottom of Boring at 2 feet
6						
8						
10						
12						
14						
16						
18						
20						

Geologist(s): Michael J. Gelles
Subcontractor: Geo Lab
Driller/Operator: Chad Smith
Method: Hand Auger

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

Owner or Builder WSP Environmental Energy Date: 10/24/12
 Mailing Address: 750 Highway Drive Suite 410 Phone: (H) (412) 609 1096 (W) (412) 216-5896
 Lot Area _____ Subdivision/Park Pittsburgh PA 15224 Lot # _____ Block # _____
 PROPERTY LOCATION 1301 East Onark (Wix) Aff. via Eric Hartley
Gastonia, N.C. Signature of applicant or authorized agent

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

SITE SKETCH - No Scale

Distances Must Conform
To Local/State Codes.

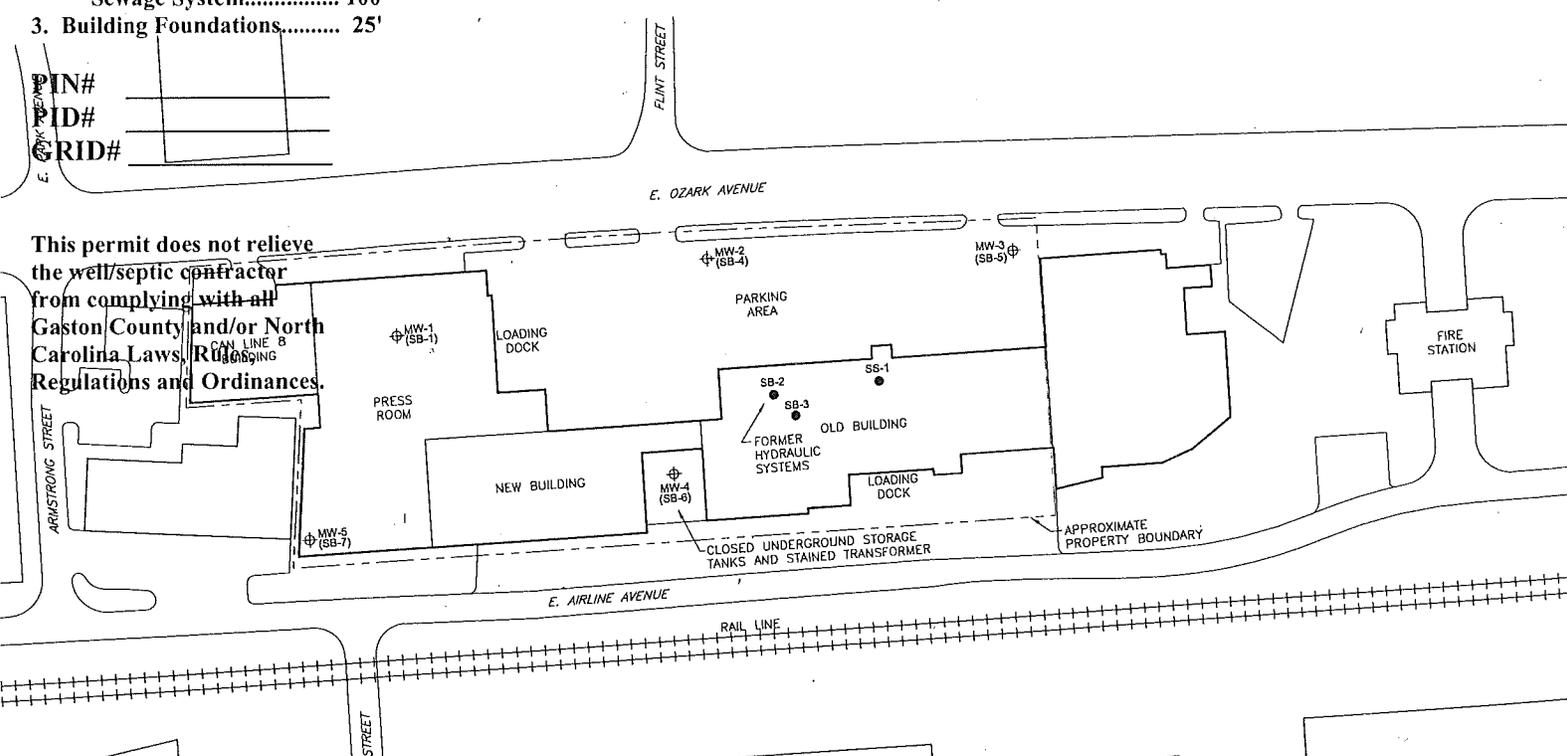
Most Common Examples Are:

1. Water Tight Sewer Line..... 50'
2. Ground Absorption
Sewage System..... 100'
3. Building Foundations..... 25'

LEGEND
 ● PROPOSED SOIL BORING
 ⊕ PROPOSED TEMPORARY MONITORING WELL

PIN# _____
 RID# _____
 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.



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 10/24/12 EHS [Signature]
 DATE APPROVED 10/22/12 EHS [Signature]
 FEE PAID \$ 85 DATE _____ RECEIPT # _____ IP# W/12
 DATE BACTERIOLOGICAL SAMPLE TAKEN N/A DATE OF RESULTS N/A RESULTS 12/11/12
 DATE INORGANIC SAMPLE TAKEN N/A DATE RESULTS MAILED N/A

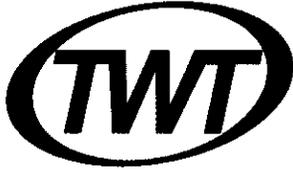
NOTICE: THIS DRAWING HAS BEEN PREPARED BY THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK AND WHITE COPIES MAY NOT ACCURATELY REFLECT CERTAIN INFORMATION.
 SCALE IN FEET

Original White: Health Department

Pink: Inspection Dept.

Yellow: Applicant Copy

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: 1301 E. Ozark Avenue, Gastonia, NC

CONTROL LINE

CONTROL	NORTHING	EASTING	ELEVATION
101	559720.326	1353814.866	824.333
102	559458.169	1353989.179	822.364

WELL TABLE

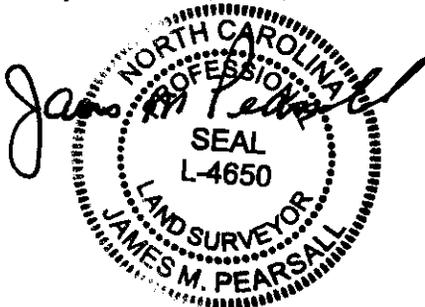
WELL ID	NORTHING	EASTING	TOP OF CASE ELEVATION	GROUND ELEVATION
MW-1	559866.451	1354010.389	822.49	822.61
MW-2	560013.660	1354158.538	814.64	814.81
MW-3	560197.484	1354365.797	808.95	809.10
MW-4	559912.560	1354308.412	814.50	814.57
MW-5	559719.956	1354138.594	824.39	824.60

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



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

October 22, 2012

Ms. Erin Huntley
 WSP Environmental Strategies
 750 Holiday Drive
 Suite 410
 Pittsburgh, PA 15220

RE: Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92134979

Dear Ms. Huntley:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 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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Pace Analytical Services, Inc.
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 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-Ozark
 Pace Project No.: 92134979

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-Ozark

Pace Project No.: 92134979

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92134979001	TB101012-1	Solid	10/10/12 10:00	10/11/12 16:00
92134979002	SB-5-25.5-27.5	Solid	10/10/12 10:15	10/11/12 16:00
92134979003	SB-7-2-4	Solid	10/10/12 14:30	10/11/12 16:00
92134979004	SB-1-0-2	Solid	10/10/12 16:20	10/11/12 16:00
92134979005	SB-1-6-8	Solid	10/10/12 16:25	10/11/12 16:00
92134979006	SB-100-6-8	Solid	10/10/12 16:35	10/11/12 16:00

REPORT OF LABORATORY ANALYSIS



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 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

SAMPLE ANALYTE COUNT

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92134979001	TB101012-1	EPA 8260	DLK	71	PASI-C
92134979002	SB-5-25.5-27.5	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	JEA	1	PASI-C
92134979003	SB-7-2-4	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	JEA	1	PASI-C
92134979004	SB-1-0-2	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	JEA	1	PASI-C
92134979005	SB-1-6-8	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	JEA	1	PASI-C
92134979006	SB-100-6-8	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	JEA	1	PASI-C

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Method: EPA 6010
Description: 6010 MET ICP
Client: WSP Environmental Strategies
Date: October 22, 2012

General Information:

5 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/11751

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 854587)
 - Arsenic

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Method: EPA 7471
Description: 7471 Mercury
Client: WSP Environmental Strategies
Date: October 22, 2012

General Information:

5 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.

QC Batch: MERP/4592

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92134361001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 852889)
- Mercury

QC Batch: MERP/4595

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92134979004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 853343)
- Mercury

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MERP/4595

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 853344)
- Mercury

REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
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(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Method: EPA 7471
Description: 7471 Mercury
Client: WSP Environmental Strategies
Date: October 22, 2012

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Page 7 of 41

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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Method: EPA 8270
Description: 8270 MSSV PAH Microwave
Client: WSP Environmental Strategies
Date: October 22, 2012

General Information:

5 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:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: WSP Environmental Strategies
Date: October 22, 2012

General Information:

6 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-Ozark

Pace Project No.: 92134979

Sample: TB101012-1 **Lab ID:** 92134979001 **Collected:** 10/10/12 10:00 **Received:** 10/11/12 16:00 **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		10/18/12 17:02	67-64-1	
Benzene	ND	ug/kg	5.0	1		10/18/12 17:02	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		10/18/12 17:02	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		10/18/12 17:02	75-27-4	
Bromoform	ND	ug/kg	5.0	1		10/18/12 17:02	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		10/18/12 17:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		10/18/12 17:02	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		10/18/12 17:02	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		10/18/12 17:02	75-00-3	
Chloroform	ND	ug/kg	5.0	1		10/18/12 17:02	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		10/18/12 17:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		10/18/12 17:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		10/18/12 17:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		10/18/12 17:02	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		10/18/12 17:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		10/18/12 17:02	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		10/18/12 17:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		10/18/12 17:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:02	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		10/18/12 17:02	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		10/18/12 17:02	87-68-3	
2-Hexanone	ND	ug/kg	50.0	1		10/18/12 17:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		10/18/12 17:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		10/18/12 17:02	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		10/18/12 17:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		10/18/12 17:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		10/18/12 17:02	1634-04-4	

Date: 10/22/2012 04:17 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: TB101012-1 **Lab ID: 92134979001** Collected: 10/10/12 10:00 Received: 10/11/12 16:00 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		10/18/12 17:02	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	103-65-1	
Styrene	ND	ug/kg	5.0	1		10/18/12 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	630-20-6	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		10/18/12 17:02	127-18-4	
Toluene	ND	ug/kg	5.0	1		10/18/12 17:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		10/18/12 17:02	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		10/18/12 17:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		10/18/12 17:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		10/18/12 17:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:02	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	1		10/18/12 17:02	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		10/18/12 17:02	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		10/18/12 17:02	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		10/18/12 17:02	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		10/18/12 17:02	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103 %		70-130	1		10/18/12 17:02	1868-53-7	
Toluene-d8 (S)	102 %		70-130	1		10/18/12 17:02	2037-26-5	
4-Bromofluorobenzene (S)	97 %		70-130	1		10/18/12 17:02	460-00-4	
1,2-Dichloroethane-d4 (S)	111 %		70-132	1		10/18/12 17:02	17060-07-0	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-5-25.5-27.5 **Lab ID: 92134979002** Collected: 10/10/12 10:15 Received: 10/11/12 16:00 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	3.3	mg/kg	0.46	1	10/17/12 16:10	10/18/12 19:25	7440-38-2	
Barium	65.6	mg/kg	0.46	1	10/17/12 16:10	10/18/12 19:25	7440-39-3	
Cadmium	0.10	mg/kg	0.092	1	10/17/12 16:10	10/18/12 19:25	7440-43-9	
Chromium	1.8	mg/kg	0.46	1	10/17/12 16:10	10/18/12 19:25	7440-47-3	
Lead	6.7	mg/kg	0.46	1	10/17/12 16:10	10/18/12 19:25	7439-92-1	
Selenium	ND	mg/kg	0.92	1	10/17/12 16:10	10/18/12 19:25	7782-49-2	
Silver	ND	mg/kg	0.46	1	10/17/12 16:10	10/18/12 19:25	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	ND	mg/kg	0.0040	1	10/15/12 18:45	10/16/12 13:14	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	83-32-9	
Acenaphthylene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	208-96-8	
Anthracene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	120-12-7	
Benzo(a)anthracene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	207-08-9	
Chrysene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	53-70-3	
Fluoranthene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	206-44-0	
Fluorene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	193-39-5	
1-Methylnaphthalene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	91-57-6	
Naphthalene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	91-20-3	
Phenanthrene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	85-01-8	
Pyrene	ND	ug/kg	393	1	10/12/12 08:40	10/19/12 15:51	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	72	%	23-110	1	10/12/12 08:40	10/19/12 15:51	4165-60-0	
2-Fluorobiphenyl (S)	71	%	30-110	1	10/12/12 08:40	10/19/12 15:51	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	10/12/12 08:40	10/19/12 15:51	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	91.7	1		10/18/12 17:21	67-64-1	
Benzene	ND	ug/kg	4.6	1		10/18/12 17:21	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		10/18/12 17:21	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		10/18/12 17:21	75-27-4	
Bromoform	ND	ug/kg	4.6	1		10/18/12 17:21	75-25-2	
Bromomethane	ND	ug/kg	9.2	1		10/18/12 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/kg	91.7	1		10/18/12 17:21	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-5-25.5-27.5 **Lab ID: 92134979002** Collected: 10/10/12 10:15 Received: 10/11/12 16:00 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	4.6	1		10/18/12 17:21	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	98-06-6	
Carbon tetrachloride	ND	ug/kg	4.6	1		10/18/12 17:21	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	108-90-7	
Chloroethane	ND	ug/kg	9.2	1		10/18/12 17:21	75-00-3	
Chloroform	ND	ug/kg	4.6	1		10/18/12 17:21	67-66-3	
Chloromethane	ND	ug/kg	9.2	1		10/18/12 17:21	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		10/18/12 17:21	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		10/18/12 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.6	1		10/18/12 17:21	96-12-8	
Dibromochloromethane	ND	ug/kg	4.6	1		10/18/12 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		10/18/12 17:21	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		10/18/12 17:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	9.2	1		10/18/12 17:21	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		10/18/12 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		10/18/12 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		10/18/12 17:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		10/18/12 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		10/18/12 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		10/18/12 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		10/18/12 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		10/18/12 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		10/18/12 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		10/18/12 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		10/18/12 17:21	10061-02-6	
Diisopropyl ether	ND	ug/kg	4.6	1		10/18/12 17:21	108-20-3	
Ethylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		10/18/12 17:21	87-68-3	
2-Hexanone	ND	ug/kg	45.8	1		10/18/12 17:21	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		10/18/12 17:21	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		10/18/12 17:21	99-87-6	
Methylene Chloride	ND	ug/kg	18.3	1		10/18/12 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	45.8	1		10/18/12 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		10/18/12 17:21	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		10/18/12 17:21	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	103-65-1	
Styrene	ND	ug/kg	4.6	1		10/18/12 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		10/18/12 17:21	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		10/18/12 17:21	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		10/18/12 17:21	127-18-4	
Toluene	ND	ug/kg	4.6	1		10/18/12 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		10/18/12 17:21	120-82-1	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-5-25.5-27.5 **Lab ID: 92134979002** Collected: 10/10/12 10:15 Received: 10/11/12 16:00 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	4.6	1		10/18/12 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		10/18/12 17:21	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		10/18/12 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		10/18/12 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		10/18/12 17:21	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		10/18/12 17:21	108-67-8	
Vinyl acetate	ND	ug/kg	45.8	1		10/18/12 17:21	108-05-4	
Vinyl chloride	ND	ug/kg	9.2	1		10/18/12 17:21	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		10/18/12 17:21	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		10/18/12 17:21	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		10/18/12 17:21	95-47-6	
Surrogates								
Dibromofluoromethane (S)	98 %		70-130	1		10/18/12 17:21	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		10/18/12 17:21	2037-26-5	
4-Bromofluorobenzene (S)	98 %		70-130	1		10/18/12 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	105 %		70-132	1		10/18/12 17:21	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	16.1 %		0.10	1		10/12/12 09:32		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-7-2-4 **Lab ID: 92134979003** Collected: 10/10/12 14:30 Received: 10/11/12 16:00 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	3.5	mg/kg	0.54	1	10/17/12 16:10	10/18/12 19:29	7440-38-2	
Barium	54.3	mg/kg	0.54	1	10/17/12 16:10	10/18/12 19:29	7440-39-3	
Cadmium	3.7	mg/kg	0.11	1	10/17/12 16:10	10/18/12 19:29	7440-43-9	
Chromium	20.9	mg/kg	0.54	1	10/17/12 16:10	10/18/12 19:29	7440-47-3	
Lead	16.7	mg/kg	0.54	1	10/17/12 16:10	10/18/12 19:29	7439-92-1	
Selenium	1.4	mg/kg	1.1	1	10/17/12 16:10	10/18/12 19:29	7782-49-2	
Silver	ND	mg/kg	0.54	1	10/17/12 16:10	10/18/12 19:29	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	0.088	mg/kg	0.0047	1	10/15/12 18:45	10/16/12 13:17	7439-97-6	
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	83-32-9	
Acenaphthylene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	208-96-8	
Anthracene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	120-12-7	
Benzo(a)anthracene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	56-55-3	
Benzo(a)pyrene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	207-08-9	
Chrysene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	53-70-3	
Fluoranthene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	206-44-0	
Fluorene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	193-39-5	
1-Methylnaphthalene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	90-12-0	
2-Methylnaphthalene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	91-57-6	
Naphthalene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	91-20-3	
Phenanthrene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	85-01-8	
Pyrene	ND	ug/kg	431	1	10/12/12 08:40	10/19/12 16:19	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	61	%	23-110	1	10/12/12 08:40	10/19/12 16:19	4165-60-0	
2-Fluorobiphenyl (S)	64	%	30-110	1	10/12/12 08:40	10/19/12 16:19	321-60-8	
Terphenyl-d14 (S)	55	%	28-110	1	10/12/12 08:40	10/19/12 16:19	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	99.6	1		10/18/12 17:39	67-64-1	
Benzene	ND	ug/kg	5.0	1		10/18/12 17:39	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		10/18/12 17:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		10/18/12 17:39	75-27-4	
Bromoform	ND	ug/kg	5.0	1		10/18/12 17:39	75-25-2	
Bromomethane	ND	ug/kg	10	1		10/18/12 17:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	99.6	1		10/18/12 17:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-7-2-4 **Lab ID: 92134979003** Collected: 10/10/12 14:30 Received: 10/11/12 16:00 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	5.0	1		10/18/12 17:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		10/18/12 17:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	108-90-7	
Chloroethane	ND	ug/kg	10	1		10/18/12 17:39	75-00-3	
Chloroform	ND	ug/kg	5.0	1		10/18/12 17:39	67-66-3	
Chloromethane	ND	ug/kg	10	1		10/18/12 17:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		10/18/12 17:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		10/18/12 17:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		10/18/12 17:39	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		10/18/12 17:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		10/18/12 17:39	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		10/18/12 17:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10	1		10/18/12 17:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		10/18/12 17:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		10/18/12 17:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/18/12 17:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		10/18/12 17:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/18/12 17:39	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		10/18/12 17:39	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		10/18/12 17:39	87-68-3	
2-Hexanone	ND	ug/kg	49.8	1		10/18/12 17:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		10/18/12 17:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		10/18/12 17:39	99-87-6	
Methylene Chloride	ND	ug/kg	19.9	1		10/18/12 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	49.8	1		10/18/12 17:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		10/18/12 17:39	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		10/18/12 17:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	103-65-1	
Styrene	ND	ug/kg	5.0	1		10/18/12 17:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/18/12 17:39	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/18/12 17:39	79-34-5	
Tetrachloroethene	9.4	ug/kg	5.0	1		10/18/12 17:39	127-18-4	
Toluene	ND	ug/kg	5.0	1		10/18/12 17:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		10/18/12 17:39	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-7-2-4 **Lab ID: 92134979003** Collected: 10/10/12 14:30 Received: 10/11/12 16:00 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	5.0	1		10/18/12 17:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		10/18/12 17:39	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		10/18/12 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		10/18/12 17:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		10/18/12 17:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		10/18/12 17:39	108-67-8	
Vinyl acetate	ND	ug/kg	49.8	1		10/18/12 17:39	108-05-4	
Vinyl chloride	ND	ug/kg	10	1		10/18/12 17:39	75-01-4	
Xylene (Total)	ND	ug/kg	10	1		10/18/12 17:39	1330-20-7	
m&p-Xylene	ND	ug/kg	10	1		10/18/12 17:39	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		10/18/12 17:39	95-47-6	
Surrogates								
Dibromofluoromethane (S)	97 %		70-130	1		10/18/12 17:39	1868-53-7	
Toluene-d8 (S)	94 %		70-130	1		10/18/12 17:39	2037-26-5	
4-Bromofluorobenzene (S)	91 %		70-130	1		10/18/12 17:39	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		70-132	1		10/18/12 17:39	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	23.5 %		0.10	1		10/12/12 09:32		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-0-2 **Lab ID: 92134979004** Collected: 10/10/12 16:20 Received: 10/11/12 16:00 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	0.58	1	10/17/12 16:10	10/18/12 19:42	7440-38-2	
Barium	68.1	mg/kg	0.58	1	10/17/12 16:10	10/18/12 19:42	7440-39-3	
Cadmium	1.3	mg/kg	0.12	1	10/17/12 16:10	10/18/12 19:42	7440-43-9	
Chromium	7.3	mg/kg	0.58	1	10/17/12 16:10	10/18/12 19:42	7440-47-3	
Lead	22.1	mg/kg	0.58	1	10/17/12 16:10	10/18/12 19:42	7439-92-1	
Selenium	ND	mg/kg	1.2	1	10/17/12 16:10	10/18/12 19:42	7782-49-2	
Silver	ND	mg/kg	0.58	1	10/17/12 16:10	10/18/12 19:42	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471						
Mercury	0.099	mg/kg	0.0052	1	10/15/12 18:45	10/17/12 15:56	7439-97-6	M1
8270 MSSV PAH Microwave		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
Acenaphthene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	83-32-9	
Acenaphthylene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	208-96-8	
Anthracene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	120-12-7	
Benzo(a)anthracene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	207-08-9	
Chrysene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	53-70-3	
Fluoranthene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	206-44-0	
Fluorene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	193-39-5	
1-Methylnaphthalene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	90-12-0	
2-Methylnaphthalene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	91-57-6	
Naphthalene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	91-20-3	
Phenanthrene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	85-01-8	
Pyrene	ND	ug/kg	425	1	10/12/12 08:40	10/19/12 16:47	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	77	%	23-110	1	10/12/12 08:40	10/19/12 16:47	4165-60-0	
2-Fluorobiphenyl (S)	65	%	30-110	1	10/12/12 08:40	10/19/12 16:47	321-60-8	
Terphenyl-d14 (S)	69	%	28-110	1	10/12/12 08:40	10/19/12 16:47	1718-51-0	
8260/5035A Volatile Organics		Analytical Method: EPA 8260						
Acetone	ND	ug/kg	111	1		10/18/12 17:58	67-64-1	
Benzene	ND	ug/kg	5.6	1		10/18/12 17:58	71-43-2	
Bromobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	108-86-1	
Bromochloromethane	ND	ug/kg	5.6	1		10/18/12 17:58	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		10/18/12 17:58	75-27-4	
Bromoform	ND	ug/kg	5.6	1		10/18/12 17:58	75-25-2	
Bromomethane	ND	ug/kg	11.1	1		10/18/12 17:58	74-83-9	
2-Butanone (MEK)	ND	ug/kg	111	1		10/18/12 17:58	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-0-2 **Lab ID: 92134979004** Collected: 10/10/12 16:20 Received: 10/11/12 16:00 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	5.6	1		10/18/12 17:58	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.6	1		10/18/12 17:58	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	108-90-7	
Chloroethane	ND	ug/kg	11.1	1		10/18/12 17:58	75-00-3	
Chloroform	ND	ug/kg	5.6	1		10/18/12 17:58	67-66-3	
Chloromethane	ND	ug/kg	11.1	1		10/18/12 17:58	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.6	1		10/18/12 17:58	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.6	1		10/18/12 17:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.6	1		10/18/12 17:58	96-12-8	
Dibromochloromethane	ND	ug/kg	5.6	1		10/18/12 17:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.6	1		10/18/12 17:58	106-93-4	
Dibromomethane	ND	ug/kg	5.6	1		10/18/12 17:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.1	1		10/18/12 17:58	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.6	1		10/18/12 17:58	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		10/18/12 17:58	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.6	1		10/18/12 17:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		10/18/12 17:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		10/18/12 17:58	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		10/18/12 17:58	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.6	1		10/18/12 17:58	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.6	1		10/18/12 17:58	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.6	1		10/18/12 17:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		10/18/12 17:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		10/18/12 17:58	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.6	1		10/18/12 17:58	108-20-3	
Ethylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.6	1		10/18/12 17:58	87-68-3	
2-Hexanone	ND	ug/kg	55.6	1		10/18/12 17:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		10/18/12 17:58	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.6	1		10/18/12 17:58	99-87-6	
Methylene Chloride	ND	ug/kg	22.2	1		10/18/12 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	55.6	1		10/18/12 17:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1		10/18/12 17:58	1634-04-4	
Naphthalene	ND	ug/kg	5.6	1		10/18/12 17:58	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	103-65-1	
Styrene	ND	ug/kg	5.6	1		10/18/12 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.6	1		10/18/12 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		10/18/12 17:58	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		10/18/12 17:58	127-18-4	
Toluene	ND	ug/kg	5.6	1		10/18/12 17:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		10/18/12 17:58	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-0-2 **Lab ID: 92134979004** Collected: 10/10/12 16:20 Received: 10/11/12 16:00 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	5.6	1		10/18/12 17:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		10/18/12 17:58	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		10/18/12 17:58	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.6	1		10/18/12 17:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.6	1		10/18/12 17:58	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		10/18/12 17:58	108-67-8	
Vinyl acetate	ND	ug/kg	55.6	1		10/18/12 17:58	108-05-4	
Vinyl chloride	ND	ug/kg	11.1	1		10/18/12 17:58	75-01-4	
Xylene (Total)	ND	ug/kg	11.1	1		10/18/12 17:58	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	1		10/18/12 17:58	179601-23-1	
o-Xylene	ND	ug/kg	5.6	1		10/18/12 17:58	95-47-6	
Surrogates								
Dibromofluoromethane (S)	99 %		70-130	1		10/18/12 17:58	1868-53-7	
Toluene-d8 (S)	98 %		70-130	1		10/18/12 17:58	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		10/18/12 17:58	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		70-132	1		10/18/12 17:58	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	22.4 %		0.10	1		10/12/12 09:32		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-6-8 **Lab ID: 92134979005** Collected: 10/10/12 16:25 Received: 10/11/12 16:00 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	3.0	mg/kg	0.47	1	10/17/12 16:10	10/18/12 19:46	7440-38-2	
Barium	129	mg/kg	0.47	1	10/17/12 16:10	10/18/12 19:46	7440-39-3	
Cadmium	2.5	mg/kg	0.094	1	10/17/12 16:10	10/18/12 19:46	7440-43-9	
Chromium	9.7	mg/kg	0.47	1	10/17/12 16:10	10/18/12 19:46	7440-47-3	
Lead	22.5	mg/kg	0.47	1	10/17/12 16:10	10/18/12 19:46	7439-92-1	
Selenium	1.0	mg/kg	0.94	1	10/17/12 16:10	10/18/12 19:46	7782-49-2	
Silver	ND	mg/kg	0.47	1	10/17/12 16:10	10/18/12 19:46	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.011	mg/kg	0.0038	1	10/15/12 18:45	10/17/12 16:01	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	83-32-9	
Acenaphthylene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	208-96-8	
Anthracene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	120-12-7	
Benzo(a)anthracene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	207-08-9	
Chrysene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	53-70-3	
Fluoranthene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	206-44-0	
Fluorene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	91-57-6	
Naphthalene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	91-20-3	
Phenanthrene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	85-01-8	
Pyrene	ND	ug/kg	402	1	10/12/12 08:40	10/19/12 17:14	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	78	%	23-110	1	10/12/12 08:40	10/19/12 17:14	4165-60-0	
2-Fluorobiphenyl (S)	67	%	30-110	1	10/12/12 08:40	10/19/12 17:14	321-60-8	
Terphenyl-d14 (S)	66	%	28-110	1	10/12/12 08:40	10/19/12 17:14	1718-51-0	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	114	1		10/18/12 18:16	67-64-1	
Benzene	ND	ug/kg	5.7	1		10/18/12 18:16	71-43-2	
Bromobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	108-86-1	
Bromochloromethane	ND	ug/kg	5.7	1		10/18/12 18:16	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		10/18/12 18:16	75-27-4	
Bromoform	ND	ug/kg	5.7	1		10/18/12 18:16	75-25-2	
Bromomethane	ND	ug/kg	11.4	1		10/18/12 18:16	74-83-9	
2-Butanone (MEK)	ND	ug/kg	114	1		10/18/12 18:16	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-6-8 **Lab ID: 92134979005** Collected: 10/10/12 16:25 Received: 10/11/12 16:00 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	5.7	1		10/18/12 18:16	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.7	1		10/18/12 18:16	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	108-90-7	
Chloroethane	ND	ug/kg	11.4	1		10/18/12 18:16	75-00-3	
Chloroform	ND	ug/kg	5.7	1		10/18/12 18:16	67-66-3	
Chloromethane	ND	ug/kg	11.4	1		10/18/12 18:16	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.7	1		10/18/12 18:16	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.7	1		10/18/12 18:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.7	1		10/18/12 18:16	96-12-8	
Dibromochloromethane	ND	ug/kg	5.7	1		10/18/12 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.7	1		10/18/12 18:16	106-93-4	
Dibromomethane	ND	ug/kg	5.7	1		10/18/12 18:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11.4	1		10/18/12 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.7	1		10/18/12 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		10/18/12 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.7	1		10/18/12 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		10/18/12 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		10/18/12 18:16	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		10/18/12 18:16	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.7	1		10/18/12 18:16	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.7	1		10/18/12 18:16	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.7	1		10/18/12 18:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		10/18/12 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		10/18/12 18:16	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.7	1		10/18/12 18:16	108-20-3	
Ethylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.7	1		10/18/12 18:16	87-68-3	
2-Hexanone	ND	ug/kg	57.1	1		10/18/12 18:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		10/18/12 18:16	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		10/18/12 18:16	99-87-6	
Methylene Chloride	ND	ug/kg	22.8	1		10/18/12 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	57.1	1		10/18/12 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		10/18/12 18:16	1634-04-4	
Naphthalene	ND	ug/kg	5.7	1		10/18/12 18:16	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	103-65-1	
Styrene	ND	ug/kg	5.7	1		10/18/12 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.7	1		10/18/12 18:16	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		10/18/12 18:16	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		10/18/12 18:16	127-18-4	
Toluene	ND	ug/kg	5.7	1		10/18/12 18:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		10/18/12 18:16	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-1-6-8 **Lab ID: 92134979005** Collected: 10/10/12 16:25 Received: 10/11/12 16:00 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	5.7	1		10/18/12 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		10/18/12 18:16	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		10/18/12 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.7	1		10/18/12 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.7	1		10/18/12 18:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.7	1		10/18/12 18:16	108-67-8	
Vinyl acetate	ND	ug/kg	57.1	1		10/18/12 18:16	108-05-4	
Vinyl chloride	ND	ug/kg	11.4	1		10/18/12 18:16	75-01-4	
Xylene (Total)	ND	ug/kg	11.4	1		10/18/12 18:16	1330-20-7	
m&p-Xylene	ND	ug/kg	11.4	1		10/18/12 18:16	179601-23-1	
o-Xylene	ND	ug/kg	5.7	1		10/18/12 18:16	95-47-6	
Surrogates								
Dibromofluoromethane (S)	99 %		70-130	1		10/18/12 18:16	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		10/18/12 18:16	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		10/18/12 18:16	460-00-4	
1,2-Dichloroethane-d4 (S)	103 %		70-132	1		10/18/12 18:16	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	17.9 %		0.10	1		10/12/12 09:32		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

Sample: SB-100-6-8 **Lab ID: 92134979006** Collected: 10/10/12 16:35 Received: 10/11/12 16:00 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	3.5	mg/kg	0.51	1	10/17/12 16:10	10/18/12 19:50	7440-38-2	
Barium	166	mg/kg	0.51	1	10/17/12 16:10	10/18/12 19:50	7440-39-3	
Cadmium	1.1	mg/kg	0.10	1	10/17/12 16:10	10/18/12 19:50	7440-43-9	
Chromium	7.1	mg/kg	0.51	1	10/17/12 16:10	10/18/12 19:50	7440-47-3	
Lead	17.3	mg/kg	0.51	1	10/17/12 16:10	10/18/12 19:50	7439-92-1	
Selenium	ND	mg/kg	1.0	1	10/17/12 16:10	10/18/12 19:50	7782-49-2	
Silver	ND	mg/kg	0.51	1	10/17/12 16:10	10/18/12 19:50	7440-22-4	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.0073	mg/kg	0.0046	1	10/15/12 18:45	10/17/12 16:06	7439-97-6	
8270 MSSV PAH Microwave Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	83-32-9	
Acenaphthylene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	208-96-8	
Anthracene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	120-12-7	
Benzo(a)anthracene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	56-55-3	
Benzo(a)pyrene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	207-08-9	
Chrysene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	53-70-3	
Fluoranthene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	206-44-0	
Fluorene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	193-39-5	
1-Methylnaphthalene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	91-57-6	
Naphthalene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	91-20-3	
Phenanthrene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	85-01-8	
Pyrene	ND	ug/kg	384	1	10/12/12 08:40	10/22/12 14:11	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	80	%	23-110	1	10/12/12 08:40	10/22/12 14:11	4165-60-0	
2-Fluorobiphenyl (S)	77	%	30-110	1	10/12/12 08:40	10/22/12 14:11	321-60-8	
Terphenyl-d14 (S)	86	%	28-110	1	10/12/12 08:40	10/22/12 14:11	1718-51-0	
8260/5035A Volatile Organics Analytical Method: EPA 8260								
Acetone	ND	ug/kg	103	1		10/18/12 18:35	67-64-1	
Benzene	ND	ug/kg	5.1	1		10/18/12 18:35	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		10/18/12 18:35	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		10/18/12 18:35	75-27-4	
Bromoform	ND	ug/kg	5.1	1		10/18/12 18:35	75-25-2	
Bromomethane	ND	ug/kg	10.3	1		10/18/12 18:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	103	1		10/18/12 18:35	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	104-51-8	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-100-6-8 **Lab ID: 92134979006** Collected: 10/10/12 16:35 Received: 10/11/12 16:00 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	5.1	1		10/18/12 18:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	1		10/18/12 18:35	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	108-90-7	
Chloroethane	ND	ug/kg	10.3	1		10/18/12 18:35	75-00-3	
Chloroform	ND	ug/kg	5.1	1		10/18/12 18:35	67-66-3	
Chloromethane	ND	ug/kg	10.3	1		10/18/12 18:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		10/18/12 18:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		10/18/12 18:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	1		10/18/12 18:35	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1		10/18/12 18:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		10/18/12 18:35	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		10/18/12 18:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.3	1		10/18/12 18:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		10/18/12 18:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		10/18/12 18:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		10/18/12 18:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		10/18/12 18:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		10/18/12 18:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		10/18/12 18:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		10/18/12 18:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		10/18/12 18:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		10/18/12 18:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		10/18/12 18:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		10/18/12 18:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1		10/18/12 18:35	108-20-3	
Ethylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		10/18/12 18:35	87-68-3	
2-Hexanone	ND	ug/kg	51.3	1		10/18/12 18:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		10/18/12 18:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		10/18/12 18:35	99-87-6	
Methylene Chloride	ND	ug/kg	20.5	1		10/18/12 18:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.3	1		10/18/12 18:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		10/18/12 18:35	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		10/18/12 18:35	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	103-65-1	
Styrene	ND	ug/kg	5.1	1		10/18/12 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		10/18/12 18:35	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		10/18/12 18:35	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		10/18/12 18:35	127-18-4	
Toluene	ND	ug/kg	5.1	1		10/18/12 18:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		10/18/12 18:35	120-82-1	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

Sample: SB-100-6-8 **Lab ID: 92134979006** Collected: 10/10/12 16:35 Received: 10/11/12 16:00 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	5.1	1		10/18/12 18:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		10/18/12 18:35	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		10/18/12 18:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		10/18/12 18:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		10/18/12 18:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		10/18/12 18:35	108-67-8	
Vinyl acetate	ND	ug/kg	51.3	1		10/18/12 18:35	108-05-4	
Vinyl chloride	ND	ug/kg	10.3	1		10/18/12 18:35	75-01-4	
Xylene (Total)	ND	ug/kg	10.3	1		10/18/12 18:35	1330-20-7	
m&p-Xylene	ND	ug/kg	10.3	1		10/18/12 18:35	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1		10/18/12 18:35	95-47-6	
Surrogates								
Dibromofluoromethane (S)	101 %		70-130	1		10/18/12 18:35	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		10/18/12 18:35	2037-26-5	
4-Bromofluorobenzene (S)	95 %		70-130	1		10/18/12 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		70-132	1		10/18/12 18:35	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	14.0 %		0.10	1		10/12/12 09:32		

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

QC Batch: MERP/4592 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92134979002, 92134979003

METHOD BLANK: 852887 Matrix: Solid
Associated Lab Samples: 92134979002, 92134979003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	10/16/12 11:30	

LABORATORY CONTROL SAMPLE: 852888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.061	92	80-120	

MATRIX SPIKE SAMPLE: 852889

Parameter	Units	92134361001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.0088	.043	0.020	26	75-125	M1

SAMPLE DUPLICATE: 852890

Parameter	Units	92134399001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.18	0.35	3	20	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

QC Batch: MERP/4595 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92134979004, 92134979005, 92134979006

METHOD BLANK: 853341 Matrix: Solid
Associated Lab Samples: 92134979004, 92134979005, 92134979006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	10/17/12 15:51	

LABORATORY CONTROL SAMPLE: 853342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.057	85	80-120	

MATRIX SPIKE SAMPLE: 853343

Parameter	Units	92134979004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	.07	0.14	58	75-125	M1

SAMPLE DUPLICATE: 853344

Parameter	Units	92134979005 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.011	0.0061	58	20	D6

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

QC Batch: MPRP/11751 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

METHOD BLANK: 854584 Matrix: Solid
Associated Lab Samples: 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	10/18/12 18:56	
Barium	mg/kg	ND	0.50	10/18/12 18:56	
Cadmium	mg/kg	ND	0.10	10/18/12 18:56	
Chromium	mg/kg	ND	0.50	10/18/12 18:56	
Lead	mg/kg	ND	0.50	10/18/12 18:56	
Selenium	mg/kg	ND	1.0	10/18/12 18:56	
Silver	mg/kg	ND	0.50	10/18/12 18:56	

LABORATORY CONTROL SAMPLE: 854585

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.0	96	80-120	
Barium	mg/kg	50	48.1	96	80-120	
Cadmium	mg/kg	50	49.8	100	80-120	
Chromium	mg/kg	50	50.8	102	80-120	
Lead	mg/kg	50	49.1	98	80-120	
Selenium	mg/kg	50	48.5	97	80-120	
Silver	mg/kg	25	24.8	99	80-120	

MATRIX SPIKE SAMPLE: 854586

Parameter	Units	92134481008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	2.3	57.4	53.2	89	75-125	
Barium	mg/kg	28.8	57.4	82.5	93	75-125	
Cadmium	mg/kg	2.3	57.4	54.4	91	75-125	
Chromium	mg/kg	18.4	57.4	76.8	102	75-125	
Lead	mg/kg	21.4	57.4	66.7	79	75-125	
Selenium	mg/kg	1.5	57.4	47.6	80	75-125	
Silver	mg/kg	ND	28.7	28.5	99	75-125	

SAMPLE DUPLICATE: 854587

Parameter	Units	92134481009 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	1.1	1.6	34	20	D6
Barium	mg/kg	35.2	34.9	1	20	
Cadmium	mg/kg	3.3	3.7	10	20	
Chromium	mg/kg	16.8	16.0	5	20	
Lead	mg/kg	23.3	23.9	3	20	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92134979

SAMPLE DUPLICATE: 854587

Parameter	Units	92134481009 Result	Dup Result	RPD	Max RPD	Qualifiers
Selenium	mg/kg	2.0	2.1	3	20	
Silver	mg/kg	ND	.1J		20	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

QC Batch: MSV/20760 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
 Associated Lab Samples: 92134979001, 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

METHOD BLANK: 855374 Matrix: Solid
 Associated Lab Samples: 92134979001, 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,1,1-Trichloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,1,2-Trichloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,1-Dichloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,1-Dichloroethene	ug/kg	ND	5.5	10/18/12 11:48	
1,1-Dichloropropene	ug/kg	ND	5.5	10/18/12 11:48	
1,2,3-Trichlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,2,3-Trichloropropane	ug/kg	ND	5.5	10/18/12 11:48	
1,2,4-Trichlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,2,4-Trimethylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.5	10/18/12 11:48	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.5	10/18/12 11:48	
1,2-Dichlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,2-Dichloroethane	ug/kg	ND	5.5	10/18/12 11:48	
1,2-Dichloropropane	ug/kg	ND	5.5	10/18/12 11:48	
1,3,5-Trimethylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,3-Dichlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
1,3-Dichloropropane	ug/kg	ND	5.5	10/18/12 11:48	
1,4-Dichlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
2,2-Dichloropropane	ug/kg	ND	5.5	10/18/12 11:48	
2-Butanone (MEK)	ug/kg	ND	110	10/18/12 11:48	
2-Chlorotoluene	ug/kg	ND	5.5	10/18/12 11:48	
2-Hexanone	ug/kg	ND	55.1	10/18/12 11:48	
4-Chlorotoluene	ug/kg	ND	5.5	10/18/12 11:48	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	55.1	10/18/12 11:48	
Acetone	ug/kg	ND	110	10/18/12 11:48	
Benzene	ug/kg	ND	5.5	10/18/12 11:48	
Bromobenzene	ug/kg	ND	5.5	10/18/12 11:48	
Bromochloromethane	ug/kg	ND	5.5	10/18/12 11:48	
Bromodichloromethane	ug/kg	ND	5.5	10/18/12 11:48	
Bromoform	ug/kg	ND	5.5	10/18/12 11:48	
Bromomethane	ug/kg	ND	11.0	10/18/12 11:48	
Carbon tetrachloride	ug/kg	ND	5.5	10/18/12 11:48	
Chlorobenzene	ug/kg	ND	5.5	10/18/12 11:48	
Chloroethane	ug/kg	ND	11.0	10/18/12 11:48	
Chloroform	ug/kg	ND	5.5	10/18/12 11:48	
Chloromethane	ug/kg	ND	11.0	10/18/12 11:48	
cis-1,2-Dichloroethene	ug/kg	ND	5.5	10/18/12 11:48	
cis-1,3-Dichloropropene	ug/kg	ND	5.5	10/18/12 11:48	
Dibromochloromethane	ug/kg	ND	5.5	10/18/12 11:48	
Dibromomethane	ug/kg	ND	5.5	10/18/12 11:48	
Dichlorodifluoromethane	ug/kg	ND	11.0	10/18/12 11:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

METHOD BLANK: 855374

Matrix: Solid

Associated Lab Samples: 92134979001, 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	ND	5.5	10/18/12 11:48	
Ethylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
Hexachloro-1,3-butadiene	ug/kg	ND	5.5	10/18/12 11:48	
Isopropylbenzene (Cumene)	ug/kg	ND	5.5	10/18/12 11:48	
m&p-Xylene	ug/kg	ND	11.0	10/18/12 11:48	
Methyl-tert-butyl ether	ug/kg	ND	5.5	10/18/12 11:48	
Methylene Chloride	ug/kg	ND	22.0	10/18/12 11:48	
n-Butylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
n-Propylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
Naphthalene	ug/kg	ND	5.5	10/18/12 11:48	
o-Xylene	ug/kg	ND	5.5	10/18/12 11:48	
p-Isopropyltoluene	ug/kg	ND	5.5	10/18/12 11:48	
sec-Butylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
Styrene	ug/kg	ND	5.5	10/18/12 11:48	
tert-Butylbenzene	ug/kg	ND	5.5	10/18/12 11:48	
Tetrachloroethene	ug/kg	ND	5.5	10/18/12 11:48	
Toluene	ug/kg	ND	5.5	10/18/12 11:48	
trans-1,2-Dichloroethene	ug/kg	ND	5.5	10/18/12 11:48	
trans-1,3-Dichloropropene	ug/kg	ND	5.5	10/18/12 11:48	
Trichloroethene	ug/kg	ND	5.5	10/18/12 11:48	
Trichlorofluoromethane	ug/kg	ND	5.5	10/18/12 11:48	
Vinyl acetate	ug/kg	ND	55.1	10/18/12 11:48	
Vinyl chloride	ug/kg	ND	11.0	10/18/12 11:48	
Xylene (Total)	ug/kg	ND	11.0	10/18/12 11:48	
1,2-Dichloroethane-d4 (S)	%	103	70-132	10/18/12 11:48	
4-Bromofluorobenzene (S)	%	97	70-130	10/18/12 11:48	
Dibromofluoromethane (S)	%	101	70-130	10/18/12 11:48	
Toluene-d8 (S)	%	99	70-130	10/18/12 11:48	

LABORATORY CONTROL SAMPLE: 855375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	70	73.6	105	70-131	
1,1,1-Trichloroethane	ug/kg	70	70.9	101	70-141	
1,1,2,2-Tetrachloroethane	ug/kg	70	71.2	102	70-130	
1,1,2-Trichloroethane	ug/kg	70	75.5	108	70-132	
1,1-Dichloroethane	ug/kg	70	70.2	100	70-143	
1,1-Dichloroethene	ug/kg	70	73.9	106	70-137	
1,1-Dichloropropene	ug/kg	70	65.3	93	70-135	
1,2,3-Trichlorobenzene	ug/kg	70	76.0	109	69-153	
1,2,3-Trichloropropane	ug/kg	70	72.6	104	70-130	
1,2,4-Trichlorobenzene	ug/kg	70	75.0	107	55-171	
1,2,4-Trimethylbenzene	ug/kg	70	73.4	105	70-149	
1,2-Dibromo-3-chloropropane	ug/kg	70	73.2	104	68-141	
1,2-Dibromoethane (EDB)	ug/kg	70	73.1	104	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

LABORATORY CONTROL SAMPLE: 855375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	70	73.0	104	70-140	
1,2-Dichloroethane	ug/kg	70	63.3	90	70-137	
1,2-Dichloropropane	ug/kg	70	71.3	102	70-133	
1,3,5-Trimethylbenzene	ug/kg	70	73.7	105	70-143	
1,3-Dichlorobenzene	ug/kg	70	73.6	105	70-144	
1,3-Dichloropropane	ug/kg	70	72.7	104	70-132	
1,4-Dichlorobenzene	ug/kg	70	72.4	103	70-142	
2,2-Dichloropropane	ug/kg	70	68.4	98	68-152	
2-Butanone (MEK)	ug/kg	140	128J	91	70-149	
2-Chlorotoluene	ug/kg	70	72.5	104	70-141	
2-Hexanone	ug/kg	140	149	107	70-149	
4-Chlorotoluene	ug/kg	70	75.8	108	70-149	
4-Methyl-2-pentanone (MIBK)	ug/kg	140	154	110	70-153	
Acetone	ug/kg	140	168	120	70-157	
Benzene	ug/kg	70	74.0	106	70-130	
Bromobenzene	ug/kg	70	74.0	106	70-141	
Bromochloromethane	ug/kg	70	70.9	101	70-149	
Bromodichloromethane	ug/kg	70	71.9	103	70-130	
Bromoform	ug/kg	70	79.8	114	70-131	
Bromomethane	ug/kg	70	90.1	129	64-136	
Carbon tetrachloride	ug/kg	70	67.8	97	70-154	
Chlorobenzene	ug/kg	70	74.4	106	70-135	
Chloroethane	ug/kg	70	90.7	130	68-151	
Chloroform	ug/kg	70	70.7	101	70-130	
Chloromethane	ug/kg	70	91.0	130	70-132	
cis-1,2-Dichloroethene	ug/kg	70	71.0	101	70-140	
cis-1,3-Dichloropropene	ug/kg	70	76.1	109	70-137	
Dibromochloromethane	ug/kg	70	75.8	108	70-130	
Dibromomethane	ug/kg	70	70.1	100	70-136	
Dichlorodifluoromethane	ug/kg	70	87.4	125	36-148	
Diisopropyl ether	ug/kg	70	70.4	101	70-139	
Ethylbenzene	ug/kg	70	75.0	107	70-137	
Hexachloro-1,3-butadiene	ug/kg	70	71.1	102	70-145	
Isopropylbenzene (Cumene)	ug/kg	70	77.3	110	70-141	
m&p-Xylene	ug/kg	140	153	110	70-140	
Methyl-tert-butyl ether	ug/kg	70	70.3	100	45-150	
Methylene Chloride	ug/kg	70	71.6	102	70-133	
n-Butylbenzene	ug/kg	70	72.9	104	65-155	
n-Propylbenzene	ug/kg	70	72.5	104	70-148	
Naphthalene	ug/kg	70	80.5	115	70-148	
o-Xylene	ug/kg	70	74.4	106	70-141	
p-Isopropyltoluene	ug/kg	70	73.3	105	70-148	
sec-Butylbenzene	ug/kg	70	72.7	104	70-145	
Styrene	ug/kg	70	79.8	114	70-138	
tert-Butylbenzene	ug/kg	70	72.9	104	70-143	
Tetrachloroethene	ug/kg	70	73.2	104	70-140	
Toluene	ug/kg	70	74.7	107	70-130	
trans-1,2-Dichloroethene	ug/kg	70	70.2	100	70-136	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

LABORATORY CONTROL SAMPLE: 855375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	70	82.0	117	70-138	
Trichloroethene	ug/kg	70	73.1	104	70-132	
Trichlorofluoromethane	ug/kg	70	86.7	124	69-134	
Vinyl acetate	ug/kg	140	138	99	24-161	
Vinyl chloride	ug/kg	70	72.7	104	55-140	
Xylene (Total)	ug/kg	210	228	108	70-141	
1,2-Dichloroethane-d4 (S)	%			90	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 857197

Parameter	Units	92134979004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/kg	ND	49.9	47.6	95	49-180	
Benzene	ug/kg	ND	49.9	48.2	97	50-166	
Chlorobenzene	ug/kg	ND	49.9	54.1	109	43-169	
Toluene	ug/kg	ND	49.9	49.9	100	52-163	
Trichloroethene	ug/kg	ND	49.9	60.5	121	49-167	
1,2-Dichloroethane-d4 (S)	%				97	70-132	
4-Bromofluorobenzene (S)	%				89	70-130	
Dibromofluoromethane (S)	%				98	70-130	
Toluene-d8 (S)	%				93	70-130	

SAMPLE DUPLICATE: 857198

Parameter	Units	92135630001 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-Ozark

Pace Project No.: 92134979

SAMPLE DUPLICATE: 857198

Parameter	Units	92135630001 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	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	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92134979

SAMPLE DUPLICATE: 857198

Parameter	Units	92135630001 Result	Dup Result	RPD	Max RPD	Qualifiers
Xylene (Total)	ug/kg	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	81	84	30		
4-Bromofluorobenzene (S)	%	95	88	40		
Dibromofluoromethane (S)	%	91	91	33		
Toluene-d8 (S)	%	95	93	36		

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

QC Batch: OEXT/19276 Analysis Method: EPA 8270
 QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
 Associated Lab Samples: 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

METHOD BLANK: 851973 Matrix: Solid

Associated Lab Samples: 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	10/19/12 14:55	
2-Methylnaphthalene	ug/kg	ND	330	10/19/12 14:55	
Acenaphthene	ug/kg	ND	330	10/19/12 14:55	
Acenaphthylene	ug/kg	ND	330	10/19/12 14:55	
Anthracene	ug/kg	ND	330	10/19/12 14:55	
Benzo(a)anthracene	ug/kg	ND	330	10/19/12 14:55	
Benzo(a)pyrene	ug/kg	ND	330	10/19/12 14:55	
Benzo(b)fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/19/12 14:55	
Benzo(k)fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Chrysene	ug/kg	ND	330	10/19/12 14:55	
Dibenz(a,h)anthracene	ug/kg	ND	330	10/19/12 14:55	
Fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Fluorene	ug/kg	ND	330	10/19/12 14:55	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/19/12 14:55	
Naphthalene	ug/kg	ND	330	10/19/12 14:55	
Phenanthrene	ug/kg	ND	330	10/19/12 14:55	
Pyrene	ug/kg	ND	330	10/19/12 14:55	
2-Fluorobiphenyl (S)	%	77	30-110	10/19/12 14:55	
Nitrobenzene-d5 (S)	%	82	23-110	10/19/12 14:55	
Terphenyl-d14 (S)	%	89	28-110	10/19/12 14:55	

LABORATORY CONTROL SAMPLE: 851974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1260	75	45-105	
2-Methylnaphthalene	ug/kg	1670	1230	74	39-112	
Acenaphthene	ug/kg	1670	1380	83	38-117	
Acenaphthylene	ug/kg	1670	1340	80	46-107	
Anthracene	ug/kg	1670	1370	82	50-110	
Benzo(a)anthracene	ug/kg	1670	1450	87	47-116	
Benzo(a)pyrene	ug/kg	1670	1530	92	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1420	85	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1510	91	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1500	90	45-117	
Chrysene	ug/kg	1670	1440	86	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1530	92	43-116	
Fluoranthene	ug/kg	1670	1380	83	50-114	
Fluorene	ug/kg	1670	1350	81	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1570	94	42-115	
Naphthalene	ug/kg	1670	1210	73	41-110	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

LABORATORY CONTROL SAMPLE: 851974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1360	81	50-110	
Pyrene	ug/kg	1670	1390	83	45-114	
2-Fluorobiphenyl (S)	%			71	30-110	
Nitrobenzene-d5 (S)	%			71	23-110	
Terphenyl-d14 (S)	%			73	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851975 851976

Parameter	92134979005		MS		MSD		MS		MSD		% Rec		Max	
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	Limits	RPD	RPD	Qual		
1-Methylnaphthalene	ug/kg	ND	2030	2030	1720	1460	85	72	24-116	16	30			
2-Methylnaphthalene	ug/kg	ND	2030	2030	1700	1460	84	72	10-135	15	30			
Acenaphthene	ug/kg	ND	2030	2030	1740	1570	86	78	26-114	10	30			
Acenaphthylene	ug/kg	ND	2030	2030	1740	1550	86	76	32-108	11	30			
Anthracene	ug/kg	ND	2030	2030	1690	1680	83	83	32-111	0	30			
Benzo(a)anthracene	ug/kg	ND	2030	2030	1740	1780	86	88	25-117	2	30			
Benzo(a)pyrene	ug/kg	ND	2030	2030	1780	1830	88	90	25-106	3	30			
Benzo(b)fluoranthene	ug/kg	ND	2030	2030	1700	1790	84	88	24-110	5	30			
Benzo(g,h,i)perylene	ug/kg	ND	2030	2030	1660	1720	82	85	19-112	3	30			
Benzo(k)fluoranthene	ug/kg	ND	2030	2030	1700	1720	84	85	24-114	1	30			
Chrysene	ug/kg	ND	2030	2030	1740	1780	85	88	30-110	3	30			
Dibenz(a,h)anthracene	ug/kg	ND	2030	2030	1680	1770	83	87	23-111	5	30			
Fluoranthene	ug/kg	ND	2030	2030	1710	1750	84	86	33-109	2	30			
Fluorene	ug/kg	ND	2030	2030	1700	1600	84	79	32-113	6	30			
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2030	2030	1720	1810	85	89	10-122	5	30			
Naphthalene	ug/kg	ND	2030	2030	1680	1480	83	73	25-110	13	30			
Phenanthrene	ug/kg	ND	2030	2030	1670	1650	82	82	30-114	1	30			
Pyrene	ug/kg	ND	2030	2030	1760	1720	86	85	25-116	2	30			
2-Fluorobiphenyl (S)	%						77	68	30-110					
Nitrobenzene-d5 (S)	%						89	80	23-110					
Terphenyl-d14 (S)	%						74	73	28-110					



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92134979

QC Batch: PMST/5056 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 92134979002, 92134979003, 92134979004, 92134979005, 92134979006

SAMPLE DUPLICATE: 852014

Parameter	Units	92134974002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.3	2	25	

SAMPLE DUPLICATE: 852037

Parameter	Units	92134935007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.9	23.2	1	25	

QUALIFIERS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92134979

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.

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-Ozark
Pace Project No.: 92134979

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92134979002	SB-5-25.5-27.5	EPA 3050	MPRP/11751	EPA 6010	ICP/10756
92134979003	SB-7-2-4	EPA 3050	MPRP/11751	EPA 6010	ICP/10756
92134979004	SB-1-0-2	EPA 3050	MPRP/11751	EPA 6010	ICP/10756
92134979005	SB-1-6-8	EPA 3050	MPRP/11751	EPA 6010	ICP/10756
92134979006	SB-100-6-8	EPA 3050	MPRP/11751	EPA 6010	ICP/10756
92134979002	SB-5-25.5-27.5	EPA 7471	MERP/4592	EPA 7471	MERC/4500
92134979003	SB-7-2-4	EPA 7471	MERP/4592	EPA 7471	MERC/4500
92134979004	SB-1-0-2	EPA 7471	MERP/4595	EPA 7471	MERC/4499
92134979005	SB-1-6-8	EPA 7471	MERP/4595	EPA 7471	MERC/4499
92134979006	SB-100-6-8	EPA 7471	MERP/4595	EPA 7471	MERC/4499
92134979002	SB-5-25.5-27.5	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92134979003	SB-7-2-4	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92134979004	SB-1-0-2	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92134979005	SB-1-6-8	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92134979006	SB-100-6-8	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92134979001	TB101012-1	EPA 8260	MSV/20760		
92134979002	SB-5-25.5-27.5	EPA 8260	MSV/20760		
92134979003	SB-7-2-4	EPA 8260	MSV/20760		
92134979004	SB-1-0-2	EPA 8260	MSV/20760		
92134979005	SB-1-6-8	EPA 8260	MSV/20760		
92134979006	SB-100-6-8	EPA 8260	MSV/20760		
92134979002	SB-5-25.5-27.5	ASTM D2974-87	PMST/5056		
92134979003	SB-7-2-4	ASTM D2974-87	PMST/5056		
92134979004	SB-1-0-2	ASTM D2974-87	PMST/5056		
92134979005	SB-1-6-8	ASTM D2974-87	PMST/5056		
92134979006	SB-100-6-8	ASTM D2974-87	PMST/5056		



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October 24, 2012

Ms. Erin Huntley
 WSP Environmental Strategies
 750 Holiday Drive
 Suite 410
 Pittsburgh, PA 15220

RE: Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135047

Dear Ms. Huntley:

Enclosed are the analytical results for sample(s) received by the laboratory on October 12, 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-Ozark
Pace Project No.: 92135047

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-Ozark

Pace Project No.: 92135047

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92135047001	SB-3-2-4	Solid	10/11/12 08:45	10/12/12 11:25
92135047002	SB-101-2-4	Solid	10/11/12 08:55	10/12/12 11:25
92135047003	SS-1-0-2	Solid	10/11/12 10:30	10/12/12 11:25
92135047004	SB-2-2-4	Solid	10/11/12 11:00	10/12/12 11:25
92135047005	TB101112-1	Solid	10/11/12 08:00	10/12/12 11:25
92135047006	EB101112-1	Water	10/11/12 12:00	10/12/12 11:25

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92135047001	SB-3-2-4	EPA 8082	MEJ	8	PASI-C
		EPA 8270	PPM	21	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135047002	SB-101-2-4	EPA 8082	MEJ	8	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135047003	SS-1-0-2	EPA 8082	MEJ	8	PASI-C
		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
92135047004	SB-2-2-4	EPA 8082	MEJ	8	PASI-C
		EPA 8270	PPM	21	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92135047005	TB101112-1	EPA 8260	DLK	71	PASI-C
92135047006	EB101112-1	EPA 8082	MEJ	8	PASI-C
		EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	24	PASI-C
		EPA 8260	KJM	63	PASI-C

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

Method: EPA 8082
Description: 8082 GCS PCB
Client: WSP Environmental Strategies
Date: October 24, 2012

General Information:

5 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.

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.

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-Ozark
Pace Project No.: 92135047

Method: EPA 6010
Description: 6010 MET ICP
Client: WSP Environmental Strategies
Date: October 24, 2012

General Information:

2 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/11765

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 856389)
- Arsenic

Additional Comments:

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

Method: EPA 7470
Description: 7470 Mercury
Client: WSP Environmental Strategies
Date: October 24, 2012

General Information:

1 sample was 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-Ozark
Pace Project No.: 92135047

Method: EPA 7471
Description: 7471 Mercury
Client: WSP Environmental Strategies
Date: October 24, 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/4595

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92134979004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 853343)
- Mercury

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: MERP/4595

D6: The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 853344)
- Mercury

Additional Comments:

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Method: EPA 8270

Description: 8270 MSSV PAH Microwave

Client: WSP Environmental Strategies

Date: October 24, 2012

General Information:

3 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:

REPORT OF LABORATORY ANALYSIS



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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: WSP Environmental Strategies
Date: October 24, 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 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

Page 10 of 46

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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

Method: EPA 8260
Description: 8260 MSV Low Level
Client: WSP Environmental Strategies
Date: October 24, 2012

General Information:

1 sample was 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/20732

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 853570)
 - 1,1-Dichloroethane
 - Methyl-tert-butyl ether
 - trans-1,2-Dichloroethene

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



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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

Method: EPA 8260
Description: 8260/5035A Volatile Organics
Client: WSP Environmental Strategies
Date: October 24, 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.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: SB-3-2-4 **Lab ID: 92135047001** Collected: 10/11/12 08:45 Received: 10/12/12 11:25 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	37.8	1	10/15/12 11:00	10/17/12 15:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.8	1	10/15/12 11:00	10/17/12 15:03	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	71 %		21-132	1	10/15/12 11:00	10/17/12 15:03	2051-24-3	
8270 MSSV PAH Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	83-32-9	
Acenaphthylene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	208-96-8	
Anthracene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	120-12-7	
Benzo(a)anthracene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	207-08-9	
Chrysene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	53-70-3	
Fluoranthene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	206-44-0	
Fluorene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	193-39-5	
1-Methylnaphthalene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	91-57-6	
Naphthalene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	91-20-3	
Phenanthrene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	85-01-8	
Pyrene	ND	ug/kg	378	1	10/12/12 13:20	10/19/12 19:06	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	60 %		23-110	1	10/12/12 13:20	10/19/12 19:06	4165-60-0	
2-Fluorobiphenyl (S)	56 %		30-110	1	10/12/12 13:20	10/19/12 19:06	321-60-8	
Terphenyl-d14 (S)	61 %		28-110	1	10/12/12 13:20	10/19/12 19:06	1718-51-0	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	12.6 %		0.10	1		10/15/12 09:15		



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135047

Sample: **SB-101-2-4** Lab ID: **92135047002** Collected: 10/11/12 08:55 Received: 10/12/12 11:25 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	37.6	1	10/15/12 11:00	10/17/12 15:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.6	1	10/15/12 11:00	10/17/12 15:23	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	66 %		21-132	1	10/15/12 11:00	10/17/12 15:23	2051-24-3	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.3 %		0.10	1		10/15/12 09:15		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: SS-1-0-2 **Lab ID: 92135047003** Collected: 10/11/12 10:30 Received: 10/12/12 11:25 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	37.7	1	10/15/12 11:00	10/17/12 15:43	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	37.7	1	10/15/12 11:00	10/17/12 15:43	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	32 %		21-132	1	10/15/12 11:00	10/17/12 15:43	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	3.8	mg/kg	0.53	1	10/19/12 12:15	10/19/12 23:10	7440-38-2	
Barium	109	mg/kg	0.53	1	10/19/12 12:15	10/19/12 23:10	7440-39-3	
Cadmium	0.51	mg/kg	0.11	1	10/19/12 12:15	10/19/12 23:10	7440-43-9	
Chromium	11.5	mg/kg	0.53	1	10/19/12 12:15	10/19/12 23:10	7440-47-3	
Lead	11.6	mg/kg	0.53	1	10/19/12 12:15	10/19/12 23:10	7439-92-1	
Selenium	3.5	mg/kg	1.1	1	10/19/12 12:15	10/19/12 23:10	7782-49-2	
Silver	ND	mg/kg	0.53	1	10/19/12 12:15	10/19/12 23:10	7440-22-4	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.0058	mg/kg	0.0043	1	10/15/12 18:45	10/17/12 17:48	7439-97-6	
8270 MSSV PAH Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	83-32-9	
Acenaphthylene	1800	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	208-96-8	
Anthracene	2670	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	120-12-7	
Benzo(a)anthracene	11900	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	56-55-3	
Benzo(a)pyrene	9520	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	50-32-8	
Benzo(b)fluoranthene	7100	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	205-99-2	
Benzo(g,h,i)perylene	5240	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	191-24-2	
Benzo(k)fluoranthene	8810	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	207-08-9	
Chrysene	10600	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	218-01-9	
Dibenz(a,h)anthracene	1640	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	53-70-3	
Fluoranthene	24300	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	206-44-0	
Fluorene	602	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	86-73-7	
Indeno(1,2,3-cd)pyrene	4860	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	193-39-5	
1-Methylnaphthalene	ND	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	91-57-6	
Naphthalene	ND	ug/kg	377	1	10/12/12 13:20	10/19/12 19:34	91-20-3	
Phenanthrene	9780	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	85-01-8	
Pyrene	19900	ug/kg	3770	10	10/12/12 13:20	10/22/12 14:40	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	57 %		23-110	1	10/12/12 13:20	10/19/12 19:34	4165-60-0	
2-Fluorobiphenyl (S)	58 %		30-110	1	10/12/12 13:20	10/19/12 19:34	321-60-8	
Terphenyl-d14 (S)	59 %		28-110	1	10/12/12 13:20	10/19/12 19:34	1718-51-0	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: SS-1-0-2 **Lab ID: 92135047003** Collected: 10/11/12 10:30 Received: 10/12/12 11:25 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						
Acetone	ND	ug/kg	142	1		10/23/12 15:43	67-64-1	
Benzene	ND	ug/kg	7.1	1		10/23/12 15:43	71-43-2	
Bromobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	108-86-1	
Bromochloromethane	ND	ug/kg	7.1	1		10/23/12 15:43	74-97-5	
Bromodichloromethane	ND	ug/kg	7.1	1		10/23/12 15:43	75-27-4	
Bromoform	ND	ug/kg	7.1	1		10/23/12 15:43	75-25-2	
Bromomethane	ND	ug/kg	14.2	1		10/23/12 15:43	74-83-9	
2-Butanone (MEK)	ND	ug/kg	142	1		10/23/12 15:43	78-93-3	
n-Butylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	135-98-8	
tert-Butylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	98-06-6	
Carbon tetrachloride	ND	ug/kg	7.1	1		10/23/12 15:43	56-23-5	
Chlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	108-90-7	
Chloroethane	ND	ug/kg	14.2	1		10/23/12 15:43	75-00-3	
Chloroform	ND	ug/kg	7.1	1		10/23/12 15:43	67-66-3	
Chloromethane	ND	ug/kg	14.2	1		10/23/12 15:43	74-87-3	
2-Chlorotoluene	ND	ug/kg	7.1	1		10/23/12 15:43	95-49-8	
4-Chlorotoluene	ND	ug/kg	7.1	1		10/23/12 15:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	7.1	1		10/23/12 15:43	96-12-8	
Dibromochloromethane	ND	ug/kg	7.1	1		10/23/12 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	7.1	1		10/23/12 15:43	106-93-4	
Dibromomethane	ND	ug/kg	7.1	1		10/23/12 15:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	14.2	1		10/23/12 15:43	75-71-8	
1,1-Dichloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	107-06-2	
1,1-Dichloroethene	ND	ug/kg	7.1	1		10/23/12 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.1	1		10/23/12 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.1	1		10/23/12 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.1	1		10/23/12 15:43	78-87-5	
1,3-Dichloropropane	ND	ug/kg	7.1	1		10/23/12 15:43	142-28-9	
2,2-Dichloropropane	ND	ug/kg	7.1	1		10/23/12 15:43	594-20-7	
1,1-Dichloropropene	ND	ug/kg	7.1	1		10/23/12 15:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	7.1	1		10/23/12 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.1	1		10/23/12 15:43	10061-02-6	
Diisopropyl ether	ND	ug/kg	7.1	1		10/23/12 15:43	108-20-3	
Ethylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	7.1	1		10/23/12 15:43	87-68-3	
2-Hexanone	ND	ug/kg	70.8	1		10/23/12 15:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.1	1		10/23/12 15:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.1	1		10/23/12 15:43	99-87-6	
Methylene Chloride	ND	ug/kg	28.3	1		10/23/12 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	70.8	1		10/23/12 15:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.1	1		10/23/12 15:43	1634-04-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: SS-1-0-2 **Lab ID: 92135047003** Collected: 10/11/12 10:30 Received: 10/12/12 11:25 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						
Naphthalene	15.2	ug/kg	7.1	1		10/23/12 15:43	91-20-3	
n-Propylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	103-65-1	
Styrene	ND	ug/kg	7.1	1		10/23/12 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	630-20-6	
1,1,1,2-Tetrachloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	79-34-5	
Tetrachloroethene	ND	ug/kg	7.1	1		10/23/12 15:43	127-18-4	
Toluene	ND	ug/kg	7.1	1		10/23/12 15:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	7.1	1		10/23/12 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.1	1		10/23/12 15:43	79-00-5	
Trichloroethene	ND	ug/kg	7.1	1		10/23/12 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/kg	7.1	1		10/23/12 15:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	7.1	1		10/23/12 15:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.1	1		10/23/12 15:43	108-67-8	
Vinyl acetate	ND	ug/kg	70.8	1		10/23/12 15:43	108-05-4	
Vinyl chloride	ND	ug/kg	14.2	1		10/23/12 15:43	75-01-4	
Xylene (Total)	ND	ug/kg	14.2	1		10/23/12 15:43	1330-20-7	
m&p-Xylene	ND	ug/kg	14.2	1		10/23/12 15:43	179601-23-1	
o-Xylene	ND	ug/kg	7.1	1		10/23/12 15:43	95-47-6	
Surrogates								
Dibromofluoromethane (S)	102 %		70-130	1		10/23/12 15:43	1868-53-7	
Toluene-d8 (S)	96 %		70-130	1		10/23/12 15:43	2037-26-5	
4-Bromofluorobenzene (S)	90 %		70-130	1		10/23/12 15:43	460-00-4	
1,2-Dichloroethane-d4 (S)	107 %		70-132	1		10/23/12 15:43	17060-07-0	
Percent Moisture		Analytical Method: ASTM D2974-87						
Percent Moisture	12.4 %		0.10	1		10/15/12 09:15		

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: SB-2-2-4 **Lab ID: 92135047004** Collected: 10/11/12 11:00 Received: 10/12/12 11:25 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	34.7	1	10/15/12 11:00	10/17/12 16:03	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	34.7	1	10/15/12 11:00	10/17/12 16:03	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	86 %		21-132	1	10/15/12 11:00	10/17/12 16:03	2051-24-3	
8270 MSSV PAH Microwave								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	83-32-9	
Acenaphthylene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	208-96-8	
Anthracene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	120-12-7	
Benzo(a)anthracene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	56-55-3	
Benzo(a)pyrene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	207-08-9	
Chrysene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	53-70-3	
Fluoranthene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	206-44-0	
Fluorene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	193-39-5	
1-Methylnaphthalene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	90-12-0	
2-Methylnaphthalene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	91-57-6	
Naphthalene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	91-20-3	
Phenanthrene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	85-01-8	
Pyrene	ND	ug/kg	347	1	10/12/12 13:20	10/19/12 20:02	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	76 %		23-110	1	10/12/12 13:20	10/19/12 20:02	4165-60-0	
2-Fluorobiphenyl (S)	67 %		30-110	1	10/12/12 13:20	10/19/12 20:02	321-60-8	
Terphenyl-d14 (S)	72 %		28-110	1	10/12/12 13:20	10/19/12 20:02	1718-51-0	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **5.0 %** 0.10 1 10/15/12 09:15

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: TB101112-1 **Lab ID: 92135047005** Collected: 10/11/12 08:00 Received: 10/12/12 11:25 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		10/23/12 15:05	67-64-1	
Benzene	ND	ug/kg	5.0	1		10/23/12 15:05	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		10/23/12 15:05	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		10/23/12 15:05	75-27-4	
Bromoform	ND	ug/kg	5.0	1		10/23/12 15:05	75-25-2	
Bromomethane	ND	ug/kg	10.0	1		10/23/12 15:05	74-83-9	
2-Butanone (MEK)	ND	ug/kg	100	1		10/23/12 15:05	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.0	1		10/23/12 15:05	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	108-90-7	
Chloroethane	ND	ug/kg	10.0	1		10/23/12 15:05	75-00-3	
Chloroform	ND	ug/kg	5.0	1		10/23/12 15:05	67-66-3	
Chloromethane	ND	ug/kg	10.0	1		10/23/12 15:05	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		10/23/12 15:05	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		10/23/12 15:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1		10/23/12 15:05	96-12-8	
Dibromochloromethane	ND	ug/kg	5.0	1		10/23/12 15:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		10/23/12 15:05	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		10/23/12 15:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.0	1		10/23/12 15:05	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		10/23/12 15:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/23/12 15:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		10/23/12 15:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		10/23/12 15:05	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		10/23/12 15:05	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		10/23/12 15:05	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		10/23/12 15:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/23/12 15:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		10/23/12 15:05	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1		10/23/12 15:05	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		10/23/12 15:05	87-68-3	
2-Hexanone	ND	ug/kg	50.0	1		10/23/12 15:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1		10/23/12 15:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		10/23/12 15:05	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		10/23/12 15:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.0	1		10/23/12 15:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		10/23/12 15:05	1634-04-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: TB101112-1 **Lab ID:** 92135047005 Collected: 10/11/12 08:00 Received: 10/12/12 11:25 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		10/23/12 15:05	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	103-65-1	
Styrene	ND	ug/kg	5.0	1		10/23/12 15:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	630-20-6	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		10/23/12 15:05	127-18-4	
Toluene	ND	ug/kg	5.0	1		10/23/12 15:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		10/23/12 15:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		10/23/12 15:05	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		10/23/12 15:05	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		10/23/12 15:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		10/23/12 15:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		10/23/12 15:05	108-67-8	
Vinyl acetate	ND	ug/kg	50.0	1		10/23/12 15:05	108-05-4	
Vinyl chloride	ND	ug/kg	10.0	1		10/23/12 15:05	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		10/23/12 15:05	1330-20-7	
m&p-Xylene	ND	ug/kg	10.0	1		10/23/12 15:05	179601-23-1	
o-Xylene	ND	ug/kg	5.0	1		10/23/12 15:05	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106 %		70-130	1		10/23/12 15:05	1868-53-7	
Toluene-d8 (S)	99 %		70-130	1		10/23/12 15:05	2037-26-5	
4-Bromofluorobenzene (S)	94 %		70-130	1		10/23/12 15:05	460-00-4	
1,2-Dichloroethane-d4 (S)	112 %		70-132	1		10/23/12 15:05	17060-07-0	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: EB101112-1	Lab ID: 92135047006	Collected: 10/11/12 12:00	Received: 10/12/12 11:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB								
Analytical Method: EPA 8082 Preparation Method: EPA 3510								
PCB-1016 (Aroclor 1016)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	12674-11-2	
PCB-1221 (Aroclor 1221)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND ug/L		0.50	1	10/15/12 15:30	10/22/12 17:56	11096-82-5	
Surrogates								
Decachlorobiphenyl (S)	72 %		10-132	1	10/15/12 15:30	10/22/12 17:56	2051-24-3	
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	ND ug/L		5.0	1	10/17/12 11:45	10/18/12 21:13	7440-38-2	
Barium	ND ug/L		5.0	1	10/17/12 11:45	10/18/12 21:13	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/17/12 11:45	10/18/12 21:13	7440-43-9	
Chromium	ND ug/L		5.0	1	10/17/12 11:45	10/18/12 21:13	7440-47-3	
Lead	ND ug/L		5.0	1	10/17/12 11:45	10/18/12 21:13	7439-92-1	
Selenium	ND ug/L		10.0	1	10/17/12 11:45	10/18/12 21:13	7782-49-2	
Silver	ND ug/L		5.0	1	10/17/12 11:45	10/18/12 21:13	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/18/12 19:30	10/23/12 15:18	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	208-96-8	
Anthracene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	207-08-9	
Chrysene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	206-44-0	
Fluorene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	85-01-8	
Pyrene	ND ug/L		10.0	1	10/12/12 15:30	10/17/12 20:16	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	75 %		21-110	1	10/12/12 15:30	10/17/12 20:16	4165-60-0	
2-Fluorobiphenyl (S)	81 %		27-110	1	10/12/12 15:30	10/17/12 20:16	321-60-8	
Terphenyl-d14 (S)	88 %		31-107	1	10/12/12 15:30	10/17/12 20:16	1718-51-0	
Phenol-d6 (S)	22 %		10-110	1	10/12/12 15:30	10/17/12 20:16	13127-88-3	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: EB101112-1	Lab ID: 92135047006	Collected: 10/11/12 12:00	Received: 10/12/12 11:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Surrogates								
2-Fluorophenol (S)	36 %		12-110	1	10/12/12 15:30	10/17/12 20:16	367-12-4	
2,4,6-Tribromophenol (S)	76 %		27-110	1	10/12/12 15:30	10/17/12 20:16	118-79-6	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/16/12 18:26	67-64-1	
Benzene	ND ug/L		1.0	1		10/16/12 18:26	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/16/12 18:26	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/16/12 18:26	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/16/12 18:26	75-27-4	
Bromoform	ND ug/L		1.0	1		10/16/12 18:26	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/16/12 18:26	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/16/12 18:26	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/16/12 18:26	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	108-90-7	
Chloroethane	ND ug/L		1.0	1		10/16/12 18:26	75-00-3	
Chloroform	ND ug/L		1.0	1		10/16/12 18:26	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/16/12 18:26	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/16/12 18:26	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/16/12 18:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/16/12 18:26	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/16/12 18:26	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/16/12 18:26	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/16/12 18:26	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/16/12 18:26	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/16/12 18:26	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/16/12 18:26	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/16/12 18:26	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/16/12 18:26	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/16/12 18:26	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/16/12 18:26	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/16/12 18:26	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/16/12 18:26	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/16/12 18:26	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/16/12 18:26	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/16/12 18:26	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/16/12 18:26	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/16/12 18:26	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/16/12 18:26	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/16/12 18:26	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/16/12 18:26	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/16/12 18:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/16/12 18:26	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/16/12 18:26	1634-04-4	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

Sample: EB101112-1	Lab ID: 92135047006	Collected: 10/11/12 12:00	Received: 10/12/12 11:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		10/16/12 18:26	91-20-3	
Styrene	ND ug/L		1.0	1		10/16/12 18:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/16/12 18:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/16/12 18:26	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/16/12 18:26	127-18-4	
Toluene	ND ug/L		1.0	1		10/16/12 18:26	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/16/12 18:26	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/16/12 18:26	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/16/12 18:26	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/16/12 18:26	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/16/12 18:26	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/16/12 18:26	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/16/12 18:26	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/16/12 18:26	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		10/16/12 18:26	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/16/12 18:26	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/16/12 18:26	460-00-4	
Dibromofluoromethane (S)	91 %		70-130	1		10/16/12 18:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	85 %		70-130	1		10/16/12 18:26	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		10/16/12 18:26	2037-26-5	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

QC Batch: MERP/4605 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92135047006

METHOD BLANK: 856103 Matrix: Water
Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/23/12 14:02	

LABORATORY CONTROL SAMPLE: 856104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.0	80	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 856105 856106

Parameter	Units	92134785001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	ug/L	ND	2.5	2.0	2.5	2.0	79	79	75-125	0	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 856107 856108

Parameter	Units	92134830008 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	ug/L	ND	2.5	1.9	2.5	1.9	76	75	75-125	1	25	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

QC Batch: MERP/4595 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92135047003

METHOD BLANK: 853341 Matrix: Solid
Associated Lab Samples: 92135047003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	10/17/12 15:51	

LABORATORY CONTROL SAMPLE: 853342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.057	85	80-120	

MATRIX SPIKE SAMPLE: 853343

Parameter	Units	92134979004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	.07	0.14	58	75-125	M1

SAMPLE DUPLICATE: 853344

Parameter	Units	92134979005 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.011	0.0061	58	20	D6

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

QC Batch: MPRP/11765 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 92135047003

METHOD BLANK: 856386 Matrix: Solid
Associated Lab Samples: 92135047003

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-Ozark
Pace Project No.: 92135047

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-Ozark
Pace Project No.: 92135047

QC Batch: MPRP/11747 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 92135047006

METHOD BLANK: 854400 Matrix: Water
Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	10/18/12 20:44	
Barium	ug/L	ND	5.0	10/18/12 20:44	
Cadmium	ug/L	ND	1.0	10/18/12 20:44	
Chromium	ug/L	ND	5.0	10/18/12 20:44	
Lead	ug/L	ND	5.0	10/18/12 20:44	
Selenium	ug/L	ND	10.0	10/18/12 20:44	
Silver	ug/L	ND	5.0	10/18/12 20:44	

LABORATORY CONTROL SAMPLE: 854401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	478	96	80-120	
Barium	ug/L	500	484	97	80-120	
Cadmium	ug/L	500	490	98	80-120	
Chromium	ug/L	500	501	100	80-120	
Lead	ug/L	500	492	98	80-120	
Selenium	ug/L	500	478	96	80-120	
Silver	ug/L	250	248	99	80-120	

MATRIX SPIKE SAMPLE: 854443

Parameter	Units	92135070002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	482	96	75-125	
Barium	ug/L	75.0	500	542	93	75-125	
Cadmium	ug/L	ND	500	467	93	75-125	
Chromium	ug/L	43.6	500	528	97	75-125	
Lead	ug/L	ND	500	456	91	75-125	
Selenium	ug/L	ND	500	482	96	75-125	
Silver	ug/L	ND	250	248	99	75-125	

SAMPLE DUPLICATE: 854444

Parameter	Units	92135048002 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	0.016 mg/L	16.1	2	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-Ozark
Pace Project No.: 92135047

SAMPLE DUPLICATE: 854444

Parameter	Units	92135048002 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-Ozark

Pace Project No.: 92135047

QC Batch: MSV/20732

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92135047006

METHOD BLANK: 853569

Matrix: Water

Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,1-Dichloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,1-Dichloroethene	ug/L	ND	1.0	10/16/12 16:36	
1,1-Dichloropropene	ug/L	ND	1.0	10/16/12 16:36	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/16/12 16:36	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/16/12 16:36	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/16/12 16:36	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
1,2-Dichloroethane	ug/L	ND	1.0	10/16/12 16:36	
1,2-Dichloropropane	ug/L	ND	1.0	10/16/12 16:36	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
1,3-Dichloropropane	ug/L	ND	1.0	10/16/12 16:36	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
2,2-Dichloropropane	ug/L	ND	1.0	10/16/12 16:36	
2-Butanone (MEK)	ug/L	ND	5.0	10/16/12 16:36	
2-Chlorotoluene	ug/L	ND	1.0	10/16/12 16:36	
2-Hexanone	ug/L	ND	5.0	10/16/12 16:36	
4-Chlorotoluene	ug/L	ND	1.0	10/16/12 16:36	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/16/12 16:36	
Acetone	ug/L	ND	25.0	10/16/12 16:36	
Benzene	ug/L	ND	1.0	10/16/12 16:36	
Bromobenzene	ug/L	ND	1.0	10/16/12 16:36	
Bromochloromethane	ug/L	ND	1.0	10/16/12 16:36	
Bromodichloromethane	ug/L	ND	1.0	10/16/12 16:36	
Bromoform	ug/L	ND	1.0	10/16/12 16:36	
Bromomethane	ug/L	ND	2.0	10/16/12 16:36	
Carbon tetrachloride	ug/L	ND	1.0	10/16/12 16:36	
Chlorobenzene	ug/L	ND	1.0	10/16/12 16:36	
Chloroethane	ug/L	ND	1.0	10/16/12 16:36	
Chloroform	ug/L	ND	1.0	10/16/12 16:36	
Chloromethane	ug/L	ND	1.0	10/16/12 16:36	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/16/12 16:36	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/16/12 16:36	
Dibromochloromethane	ug/L	ND	1.0	10/16/12 16:36	
Dibromomethane	ug/L	ND	1.0	10/16/12 16:36	
Dichlorodifluoromethane	ug/L	ND	1.0	10/16/12 16:36	
Diisopropyl ether	ug/L	ND	1.0	10/16/12 16:36	
Ethylbenzene	ug/L	ND	1.0	10/16/12 16:36	

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

METHOD BLANK: 853569

Matrix: Water

Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/16/12 16:36	
m&p-Xylene	ug/L	ND	2.0	10/16/12 16:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/16/12 16:36	
Methylene Chloride	ug/L	ND	2.0	10/16/12 16:36	
Naphthalene	ug/L	ND	1.0	10/16/12 16:36	
o-Xylene	ug/L	ND	1.0	10/16/12 16:36	
p-Isopropyltoluene	ug/L	ND	1.0	10/16/12 16:36	
Styrene	ug/L	ND	1.0	10/16/12 16:36	
Tetrachloroethene	ug/L	ND	1.0	10/16/12 16:36	
Toluene	ug/L	ND	1.0	10/16/12 16:36	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/16/12 16:36	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/16/12 16:36	
Trichloroethene	ug/L	ND	1.0	10/16/12 16:36	
Trichlorofluoromethane	ug/L	ND	1.0	10/16/12 16:36	
Vinyl acetate	ug/L	ND	2.0	10/16/12 16:36	
Vinyl chloride	ug/L	ND	1.0	10/16/12 16:36	
1,2-Dichloroethane-d4 (S)	%	101	70-130	10/16/12 16:36	
4-Bromofluorobenzene (S)	%	104	70-130	10/16/12 16:36	
Dibromofluoromethane (S)	%	102	70-130	10/16/12 16:36	
Toluene-d8 (S)	%	96	70-130	10/16/12 16:36	

LABORATORY CONTROL SAMPLE: 853570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	70-130	
1,1,1-Trichloroethane	ug/L	50	48.8	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.4	103	70-130	
1,1,2-Trichloroethane	ug/L	50	56.3	113	70-130	
1,1-Dichloroethane	ug/L	50	66.2	132	70-130	L3
1,1-Dichloroethene	ug/L	50	56.3	113	70-132	
1,1-Dichloropropene	ug/L	50	44.8	90	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.1	96	70-135	
1,2,3-Trichloropropane	ug/L	50	50.3	101	70-130	
1,2,4-Trichlorobenzene	ug/L	50	46.7	93	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	56.1	112	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	49.4	99	70-130	
1,2-Dichloroethane	ug/L	50	45.5	91	70-130	
1,2-Dichloropropane	ug/L	50	49.7	99	70-130	
1,3-Dichlorobenzene	ug/L	50	45.1	90	70-130	
1,3-Dichloropropane	ug/L	50	53.4	107	70-130	
1,4-Dichlorobenzene	ug/L	50	43.9	88	70-130	
2,2-Dichloropropane	ug/L	50	48.1	96	58-145	
2-Butanone (MEK)	ug/L	100	86.1	86	70-145	
2-Chlorotoluene	ug/L	50	61.9	124	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

LABORATORY CONTROL SAMPLE: 853570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	115	115	70-144	
4-Chlorotoluene	ug/L	50	54.2	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	109	109	70-140	
Acetone	ug/L	100	135	135	50-175	
Benzene	ug/L	50	46.4	93	70-130	
Bromobenzene	ug/L	50	55.2	110	70-130	
Bromochloromethane	ug/L	50	44.1	88	70-130	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	50.8	102	70-130	
Bromomethane	ug/L	50	53.8	108	54-130	
Carbon tetrachloride	ug/L	50	42.4	85	70-132	
Chlorobenzene	ug/L	50	47.2	94	70-130	
Chloroethane	ug/L	50	62.7	125	64-134	
Chloroform	ug/L	50	47.3	95	70-130	
Chloromethane	ug/L	50	42.4	85	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.7	99	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	49.2	98	70-130	
Dibromomethane	ug/L	50	47.9	96	70-131	
Dichlorodifluoromethane	ug/L	50	37.1	74	56-130	
Diisopropyl ether	ug/L	50	58.4	117	70-130	
Ethylbenzene	ug/L	50	55.2	110	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.6	101	70-130	
m&p-Xylene	ug/L	100	112	112	70-130	
Methyl-tert-butyl ether	ug/L	50	70.8	142	70-130	F3,L3
Methylene Chloride	ug/L	50	59.2	118	63-130	
Naphthalene	ug/L	50	47.9	96	70-138	
o-Xylene	ug/L	50	52.4	105	70-130	
p-Isopropyltoluene	ug/L	50	47.2	94	70-130	
Styrene	ug/L	50	55.5	111	70-130	
Tetrachloroethene	ug/L	50	46.7	93	70-130	
Toluene	ug/L	50	50.6	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	72.0	144	70-130	F3,L3
trans-1,3-Dichloropropene	ug/L	50	55.9	112	70-132	
Trichloroethene	ug/L	50	44.4	89	70-130	
Trichlorofluoromethane	ug/L	50	51.8	104	62-133	
Vinyl acetate	ug/L	100	111	111	66-157	
Vinyl chloride	ug/L	50	41.8	84	69-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 853571												853572	
Parameter	Units	92134826001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	Qual	
			Spike Conc.	Spike Conc.							RPD		
1,1-Dichloroethene	ug/L	ND	50	50	66.3	60.3	133	121	70-166	9	30		
Benzene	ug/L	ND	50	50	41.1	40.9	82	82	70-148	1	30		
Chlorobenzene	ug/L	ND	50	50	50.6	50.4	101	101	70-146	0	30		
Toluene	ug/L	ND	50	50	58.1	53.7	116	107	70-155	8	30		
Trichloroethene	ug/L	ND	50	50	48.5	52.1	97	104	69-151	7	30		
1,2-Dichloroethane-d4 (S)	%						93	87	70-130				
4-Bromofluorobenzene (S)	%						92	94	70-130				
Dibromofluoromethane (S)	%						93	88	70-130				
Toluene-d8 (S)	%						100	97	70-130				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 853579												853580	
Parameter	Units	92134869003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max	Qual	
			Spike Conc.	Spike Conc.							RPD		
1,1-Dichloroethene	ug/L	ND	50	50	61.1	53.1	122	106	70-166	14	30		
Benzene	ug/L	ND	50	50	42.5	37.5	85	75	70-148	13	30		
Chlorobenzene	ug/L	ND	50	50	45.0	47.1	90	94	70-146	5	30		
Toluene	ug/L	ND	50	50	52.6	51.6	105	103	70-155	2	30		
Trichloroethene	ug/L	ND	50	50	42.7	49.6	85	99	69-151	15	30		
1,2-Dichloroethane-d4 (S)	%						109	81	70-130				
4-Bromofluorobenzene (S)	%						91	101	70-130				
Dibromofluoromethane (S)	%						101	83	70-130				
Toluene-d8 (S)	%						101	101	70-130				

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

QC Batch: MSV/20811

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 5035A Volatile Organics

Associated Lab Samples: 92135047003, 92135047005

METHOD BLANK: 857803

Matrix: Solid

Associated Lab Samples: 92135047003, 92135047005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,1,1-Trichloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,1,2,2-Tetrachloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,1,2-Trichloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,1-Dichloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,1-Dichloroethene	ug/kg	ND	6.2	10/23/12 10:47	
1,1-Dichloropropene	ug/kg	ND	6.2	10/23/12 10:47	
1,2,3-Trichlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,2,3-Trichloropropane	ug/kg	ND	6.2	10/23/12 10:47	
1,2,4-Trichlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,2,4-Trimethylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,2-Dibromo-3-chloropropane	ug/kg	ND	6.2	10/23/12 10:47	
1,2-Dibromoethane (EDB)	ug/kg	ND	6.2	10/23/12 10:47	
1,2-Dichlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,2-Dichloroethane	ug/kg	ND	6.2	10/23/12 10:47	
1,2-Dichloropropane	ug/kg	ND	6.2	10/23/12 10:47	
1,3,5-Trimethylbenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,3-Dichlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
1,3-Dichloropropane	ug/kg	ND	6.2	10/23/12 10:47	
1,4-Dichlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
2,2-Dichloropropane	ug/kg	ND	6.2	10/23/12 10:47	
2-Butanone (MEK)	ug/kg	ND	124	10/23/12 10:47	
2-Chlorotoluene	ug/kg	ND	6.2	10/23/12 10:47	
2-Hexanone	ug/kg	ND	61.9	10/23/12 10:47	
4-Chlorotoluene	ug/kg	ND	6.2	10/23/12 10:47	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	61.9	10/23/12 10:47	
Acetone	ug/kg	ND	124	10/23/12 10:47	
Benzene	ug/kg	ND	6.2	10/23/12 10:47	
Bromobenzene	ug/kg	ND	6.2	10/23/12 10:47	
Bromochloromethane	ug/kg	ND	6.2	10/23/12 10:47	
Bromodichloromethane	ug/kg	ND	6.2	10/23/12 10:47	
Bromoform	ug/kg	ND	6.2	10/23/12 10:47	
Bromomethane	ug/kg	ND	12.4	10/23/12 10:47	
Carbon tetrachloride	ug/kg	ND	6.2	10/23/12 10:47	
Chlorobenzene	ug/kg	ND	6.2	10/23/12 10:47	
Chloroethane	ug/kg	ND	12.4	10/23/12 10:47	
Chloroform	ug/kg	ND	6.2	10/23/12 10:47	
Chloromethane	ug/kg	ND	12.4	10/23/12 10:47	
cis-1,2-Dichloroethene	ug/kg	ND	6.2	10/23/12 10:47	
cis-1,3-Dichloropropene	ug/kg	ND	6.2	10/23/12 10:47	
Dibromochloromethane	ug/kg	ND	6.2	10/23/12 10:47	
Dibromomethane	ug/kg	ND	6.2	10/23/12 10:47	
Dichlorodifluoromethane	ug/kg	ND	12.4	10/23/12 10:47	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

METHOD BLANK: 857803

Matrix: Solid

Associated Lab Samples: 92135047003, 92135047005

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	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

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-Ozark
Pace Project No.: 92135047

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	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135047

QC Batch: OEXT/19311 Analysis Method: EPA 8082
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
 Associated Lab Samples: 92135047001, 92135047002, 92135047003, 92135047004

METHOD BLANK: 853104 Matrix: Solid
 Associated Lab Samples: 92135047001, 92135047002, 92135047003, 92135047004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	10/17/12 09:33	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	10/17/12 09:33	
Decachlorobiphenyl (S)	%	79	21-132	10/17/12 09:33	

LABORATORY CONTROL SAMPLE & LCSD: 853105 853106

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	136	122	81	73	49-110	10	30	
PCB-1260 (Aroclor 1260)	ug/kg	167	156	145	93	87	50-110	7	30	
Decachlorobiphenyl (S)	%				90	83	21-132			

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

QC Batch: OEXT/19319 Analysis Method: EPA 8082
QC Batch Method: EPA 3510 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 92135047006

METHOD BLANK: 853320 Matrix: Water
Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	10/22/12 16:37	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	10/22/12 16:37	
Decachlorobiphenyl (S)	%	85	10-132	10/22/12 16:37	

LABORATORY CONTROL SAMPLE & LCSD: 853321 853322

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	3.4	3.5	69	70	50-150	1	30	
PCB-1260 (Aroclor 1260)	ug/L	5	4.2	4.1	85	82	50-150	4	30	
Decachlorobiphenyl (S)	%				81	80	10-132			

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

QC Batch: OEXT/19276

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave PAH

Associated Lab Samples: 92135047001, 92135047003, 92135047004

METHOD BLANK: 851973

Matrix: Solid

Associated Lab Samples: 92135047001, 92135047003, 92135047004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	330	10/19/12 14:55	
2-Methylnaphthalene	ug/kg	ND	330	10/19/12 14:55	
Acenaphthene	ug/kg	ND	330	10/19/12 14:55	
Acenaphthylene	ug/kg	ND	330	10/19/12 14:55	
Anthracene	ug/kg	ND	330	10/19/12 14:55	
Benzo(a)anthracene	ug/kg	ND	330	10/19/12 14:55	
Benzo(a)pyrene	ug/kg	ND	330	10/19/12 14:55	
Benzo(b)fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Benzo(g,h,i)perylene	ug/kg	ND	330	10/19/12 14:55	
Benzo(k)fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Chrysene	ug/kg	ND	330	10/19/12 14:55	
Dibenz(a,h)anthracene	ug/kg	ND	330	10/19/12 14:55	
Fluoranthene	ug/kg	ND	330	10/19/12 14:55	
Fluorene	ug/kg	ND	330	10/19/12 14:55	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	10/19/12 14:55	
Naphthalene	ug/kg	ND	330	10/19/12 14:55	
Phenanthrene	ug/kg	ND	330	10/19/12 14:55	
Pyrene	ug/kg	ND	330	10/19/12 14:55	
2-Fluorobiphenyl (S)	%	77	30-110	10/19/12 14:55	
Nitrobenzene-d5 (S)	%	82	23-110	10/19/12 14:55	
Terphenyl-d14 (S)	%	89	28-110	10/19/12 14:55	

LABORATORY CONTROL SAMPLE: 851974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1260	75	45-105	
2-Methylnaphthalene	ug/kg	1670	1230	74	39-112	
Acenaphthene	ug/kg	1670	1380	83	38-117	
Acenaphthylene	ug/kg	1670	1340	80	46-107	
Anthracene	ug/kg	1670	1370	82	50-110	
Benzo(a)anthracene	ug/kg	1670	1450	87	47-116	
Benzo(a)pyrene	ug/kg	1670	1530	92	47-106	
Benzo(b)fluoranthene	ug/kg	1670	1420	85	47-109	
Benzo(g,h,i)perylene	ug/kg	1670	1510	91	39-115	
Benzo(k)fluoranthene	ug/kg	1670	1500	90	45-117	
Chrysene	ug/kg	1670	1440	86	49-110	
Dibenz(a,h)anthracene	ug/kg	1670	1530	92	43-116	
Fluoranthene	ug/kg	1670	1380	83	50-114	
Fluorene	ug/kg	1670	1350	81	46-114	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1570	94	42-115	
Naphthalene	ug/kg	1670	1210	73	41-110	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

LABORATORY CONTROL SAMPLE: 851974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	1670	1360	81	50-110	
Pyrene	ug/kg	1670	1390	83	45-114	
2-Fluorobiphenyl (S)	%			71	30-110	
Nitrobenzene-d5 (S)	%			71	23-110	
Terphenyl-d14 (S)	%			73	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 851975 851976

Parameter	Units	92134979005		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result							
1-Methylnaphthalene	ug/kg	ND	2030	2030	1720	1460	85	72	24-116	16	30		
2-Methylnaphthalene	ug/kg	ND	2030	2030	1700	1460	84	72	10-135	15	30		
Acenaphthene	ug/kg	ND	2030	2030	1740	1570	86	78	26-114	10	30		
Acenaphthylene	ug/kg	ND	2030	2030	1740	1550	86	76	32-108	11	30		
Anthracene	ug/kg	ND	2030	2030	1690	1680	83	83	32-111	0	30		
Benzo(a)anthracene	ug/kg	ND	2030	2030	1740	1780	86	88	25-117	2	30		
Benzo(a)pyrene	ug/kg	ND	2030	2030	1780	1830	88	90	25-106	3	30		
Benzo(b)fluoranthene	ug/kg	ND	2030	2030	1700	1790	84	88	24-110	5	30		
Benzo(g,h,i)perylene	ug/kg	ND	2030	2030	1660	1720	82	85	19-112	3	30		
Benzo(k)fluoranthene	ug/kg	ND	2030	2030	1700	1720	84	85	24-114	1	30		
Chrysene	ug/kg	ND	2030	2030	1740	1780	85	88	30-110	3	30		
Dibenz(a,h)anthracene	ug/kg	ND	2030	2030	1680	1770	83	87	23-111	5	30		
Fluoranthene	ug/kg	ND	2030	2030	1710	1750	84	86	33-109	2	30		
Fluorene	ug/kg	ND	2030	2030	1700	1600	84	79	32-113	6	30		
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2030	2030	1720	1810	85	89	10-122	5	30		
Naphthalene	ug/kg	ND	2030	2030	1680	1480	83	73	25-110	13	30		
Phenanthrene	ug/kg	ND	2030	2030	1670	1650	82	82	30-114	1	30		
Pyrene	ug/kg	ND	2030	2030	1760	1720	86	85	25-116	2	30		
2-Fluorobiphenyl (S)	%						77	68	30-110				
Nitrobenzene-d5 (S)	%						89	80	23-110				
Terphenyl-d14 (S)	%						74	73	28-110				

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

QC Batch: OEXT/19290

Analysis Method: EPA 8270

QC Batch Method: EPA 3510

Analysis Description: 8270 Water MSSV

Associated Lab Samples: 92135047006

METHOD BLANK: 852498

Matrix: Water

Associated Lab Samples: 92135047006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	ND	10.0	10/17/12 18:54	
2-Methylnaphthalene	ug/L	ND	10.0	10/17/12 18:54	
Acenaphthene	ug/L	ND	10.0	10/17/12 18:54	
Acenaphthylene	ug/L	ND	10.0	10/17/12 18:54	
Anthracene	ug/L	ND	10.0	10/17/12 18:54	
Benzo(a)anthracene	ug/L	ND	10.0	10/17/12 18:54	
Benzo(a)pyrene	ug/L	ND	10.0	10/17/12 18:54	
Benzo(b)fluoranthene	ug/L	ND	10.0	10/17/12 18:54	
Benzo(g,h,i)perylene	ug/L	ND	10.0	10/17/12 18:54	
Benzo(k)fluoranthene	ug/L	ND	10.0	10/17/12 18:54	
Chrysene	ug/L	ND	10.0	10/17/12 18:54	
Dibenz(a,h)anthracene	ug/L	ND	10.0	10/17/12 18:54	
Fluoranthene	ug/L	ND	10.0	10/17/12 18:54	
Fluorene	ug/L	ND	10.0	10/17/12 18:54	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	10/17/12 18:54	
Naphthalene	ug/L	ND	10.0	10/17/12 18:54	
Phenanthrene	ug/L	ND	10.0	10/17/12 18:54	
Pyrene	ug/L	ND	10.0	10/17/12 18:54	
2-Fluorobiphenyl (S)	%	74	27-110	10/17/12 18:54	
Nitrobenzene-d5 (S)	%	73	21-110	10/17/12 18:54	
Terphenyl-d14 (S)	%	83	31-107	10/17/12 18:54	

LABORATORY CONTROL SAMPLE: 852499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	50	40.1	80	21-110	
2-Methylnaphthalene	ug/L	50	40.1	80	16-110	
Acenaphthene	ug/L	50	44.9	90	20-105	
Acenaphthylene	ug/L	50	43.6	87	23-106	
Anthracene	ug/L	50	46.6	93	25-120	
Benzo(a)anthracene	ug/L	50	48.6	97	21-128	
Benzo(a)pyrene	ug/L	50	49.3	99	25-116	
Benzo(b)fluoranthene	ug/L	50	47.5	95	23-117	
Benzo(g,h,i)perylene	ug/L	50	49.7	99	17-128	
Benzo(k)fluoranthene	ug/L	50	46.9	94	25-127	
Chrysene	ug/L	50	47.9	96	24-125	
Dibenz(a,h)anthracene	ug/L	50	49.3	99	18-131	
Fluoranthene	ug/L	50	48.9	98	24-125	
Fluorene	ug/L	50	44.9	90	24-114	
Indeno(1,2,3-cd)pyrene	ug/L	50	51.0	102	18-130	
Naphthalene	ug/L	50	39.0	78	14-110	

Date: 10/24/2012 01:30 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135047

LABORATORY CONTROL SAMPLE: 852499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	50	45.6	91	25-119	
Pyrene	ug/L	50	48.8	98	22-127	
2-Fluorobiphenyl (S)	%			85	27-110	
Nitrobenzene-d5 (S)	%			89	21-110	
Terphenyl-d14 (S)	%			85	31-107	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135047

QC Batch: PMST/5057 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 92135047001, 92135047002, 92135047003, 92135047004

SAMPLE DUPLICATE: 852285

Parameter	Units	92135029001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.9	19.1	1	25	

SAMPLE DUPLICATE: 852286

Parameter	Units	92135064009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.8	9.8	10	25	

QUALIFIERS

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135047

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.

F3 The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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-Ozark

Pace Project No.: 92135047

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92135047001	SB-3-2-4	EPA 3546	OEXT/19311	EPA 8082	GCSV/13098
92135047002	SB-101-2-4	EPA 3546	OEXT/19311	EPA 8082	GCSV/13098
92135047003	SS-1-0-2	EPA 3546	OEXT/19311	EPA 8082	GCSV/13098
92135047004	SB-2-2-4	EPA 3546	OEXT/19311	EPA 8082	GCSV/13098
92135047006	EB101112-1	EPA 3510	OEXT/19319	EPA 8082	GCSV/13140
92135047003	SS-1-0-2	EPA 3050	MPRP/11765	EPA 6010	ICP/10774
92135047006	EB101112-1	EPA 3010	MPRP/11747	EPA 6010	ICP/10760
92135047006	EB101112-1	EPA 7470	MERP/4605	EPA 7470	MERC/4511
92135047003	SS-1-0-2	EPA 7471	MERP/4595	EPA 7471	MERC/4499
92135047001	SB-3-2-4	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92135047003	SS-1-0-2	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92135047004	SB-2-2-4	EPA 3546	OEXT/19276	EPA 8270	MSSV/6882
92135047006	EB101112-1	EPA 3510	OEXT/19290	EPA 8270	MSSV/6871
92135047006	EB101112-1	EPA 8260	MSV/20732		
92135047003	SS-1-0-2	EPA 8260	MSV/20811		
92135047005	TB101112-1	EPA 8260	MSV/20811		
92135047001	SB-3-2-4	ASTM D2974-87	PMST/5057		
92135047002	SB-101-2-4	ASTM D2974-87	PMST/5057		
92135047003	SS-1-0-2	ASTM D2974-87	PMST/5057		
92135047004	SB-2-2-4	ASTM D2974-87	PMST/5057		



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October 29, 2012

Ms. Erin Huntley
WSP Environmental Strategies
750 Holiday Drive
Suite 410
Pittsburgh, PA 15220

RE: Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

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-Ozark
Pace Project No.: 92135834

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-Ozark

Pace Project No.: 92135834

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92135834001	TB101712-1	Water	10/17/12 10:00	10/19/12 08:35
92135834002	MW-5	Water	10/17/12 10:30	10/19/12 08:35
92135834003	MW-1	Water	10/17/12 12:30	10/19/12 08:35
92135834004	MW-2	Water	10/17/12 14:00	10/19/12 08:35
92135834005	MW-3	Water	10/17/12 17:30	10/19/12 08:35
92135834006	MW-4	Water	10/18/12 09:45	10/19/12 08:35
92135834007	MW-100	Water	10/18/12 10:00	10/19/12 08:35
92135834008	EB101812-1	Water	10/18/12 10:30	10/19/12 08:35

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92135834001	TB101712-1	EPA 8260	KJM	64	PASI-C
92135834002	MW-5	EPA 6010	SH1	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834003	MW-1	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834004	MW-2	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834005	MW-3	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834006	MW-4	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834007	MW-100	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C
92135834008	EB101812-1	EPA 6010	JMW	7	PASI-A
		EPA 7470	SH1	1	PASI-A
		EPA 8270	PPM	21	PASI-C
		EPA 8260	KJM	64	PASI-C

REPORT OF LABORATORY ANALYSIS

PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

Method: EPA 6010
Description: 6010 MET ICP
Client: WSP Environmental Strategies
Date: October 29, 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.

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-Ozark
Pace Project No.: 92135834

Method: EPA 7470
Description: 7470 Mercury
Client: WSP Environmental Strategies
Date: October 29, 2012

General Information:

7 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-Ozark
Pace Project No.: 92135834

Method: EPA 8270
Description: 8270 MSSV Semivolatile Organic
Client: WSP Environmental Strategies
Date: October 29, 2012

General Information:

7 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



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PROJECT NARRATIVE

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

Method: EPA 8260
Description: 8260 MSV Low Level
Client: WSP Environmental Strategies
Date: October 29, 2012

General Information:

8 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.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: TB101712-1	Lab ID: 92135834001	Collected: 10/17/12 10:00	Received: 10/19/12 08:35	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		10/25/12 06:17	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 06:17	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 06:17	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 06:17	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 06:17	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 06:17	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 06:17	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 06:17	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 06:17	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	108-90-7	
Chloroethane	ND ug/L		1.0	1		10/25/12 06:17	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 06:17	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 06:17	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 06:17	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 06:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 06:17	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 06:17	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 06:17	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 06:17	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 06:17	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 06:17	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 06:17	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 06:17	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 06:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 06:17	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 06:17	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 06:17	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 06:17	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 06:17	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 06:17	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 06:17	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 06:17	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 06:17	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 06:17	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 06:17	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 06:17	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 06:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 06:17	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 06:17	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 06:17	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 06:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 06:17	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 06:17	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 06:17	127-18-4	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: TB101712-1	Lab ID: 92135834001	Collected: 10/17/12 10:00	Received: 10/19/12 08:35	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		10/25/12 06:17	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 06:17	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 06:17	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 06:17	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 06:17	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 06:17	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 06:17	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 06:17	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 06:17	75-01-4	
Xylene (Total)	ND ug/L		2.0	1		10/25/12 06:17	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 06:17	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 06:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		70-130	1		10/25/12 06:17	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		10/25/12 06:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		10/25/12 06:17	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 06:17	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-5	Lab ID: 92135834002	Collected: 10/17/12 10:30	Received: 10/19/12 08:35	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 19:42	7440-38-2	
Barium	82.4 ug/L		5.0	1	10/20/12 12:50	10/22/12 19:42	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/20/12 12:50	10/22/12 19:42	7440-43-9	
Chromium	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:42	7440-47-3	
Lead	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:42	7439-92-1	
Selenium	ND ug/L		10.0	1	10/20/12 12:50	10/22/12 19:42	7782-49-2	
Silver	ND ug/L		5.0	1	10/20/12 12:50	10/22/12 19:42	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 17:56	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 19:43	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 19:43	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	61 %		21-110	1	10/21/12 16:30	10/23/12 19:43	4165-60-0	
2-Fluorobiphenyl (S)	64 %		27-110	1	10/21/12 16:30	10/23/12 19:43	321-60-8	
Terphenyl-d14 (S)	70 %		31-107	1	10/21/12 16:30	10/23/12 19:43	1718-51-0	
8260 MSV Low Level Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 07:50	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 07:50	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 07:50	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 07:50	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 07:50	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 07:50	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 07:50	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 07:50	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 07:50	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Sample Project No.: 92135834

Sample: MW-5	Lab ID: 92135834002	Collected: 10/17/12 10:30	Received: 10/19/12 08:35	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 07:50	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 07:50	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 07:50	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 07:50	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 07:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 07:50	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 07:50	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 07:50	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 07:50	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 07:50	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 07:50	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 07:50	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 07:50	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 07:50	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 07:50	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 07:50	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 07:50	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 07:50	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 07:50	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 07:50	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 07:50	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 07:50	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 07:50	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 07:50	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 07:50	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 07:50	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 07:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 07:50	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 07:50	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 07:50	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 07:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 07:50	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 07:50	127-18-4	
Toluene	1.1 ug/L		1.0	1		10/25/12 07:50	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 07:50	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 07:50	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 07:50	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 07:50	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 07:50	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 07:50	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 07:50	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 07:50	75-01-4	

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

Sample: MW-5		Lab ID: 92135834002		Collected: 10/17/12 10:30	Received: 10/19/12 08:35	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 07:50	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 07:50	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 07:50	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/25/12 07:50	460-00-4	
Dibromofluoromethane (S)	104 %		70-130	1		10/25/12 07:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		10/25/12 07:50	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		10/25/12 07:50	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-1	Lab ID: 92135834003	Collected: 10/17/12 12:30	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 22:47	7440-38-2	
Barium	113 ug/L		5.0	1	10/24/12 16:55	10/25/12 22:47	7440-39-3	
Cadmium	1.4 ug/L		1.0	1	10/24/12 16:55	10/25/12 22:47	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:47	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:47	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 22:47	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:47	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 18:04	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 20:15	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:15	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	49 %		21-110	1	10/21/12 16:30	10/23/12 20:15	4165-60-0	
2-Fluorobiphenyl (S)	57 %		27-110	1	10/21/12 16:30	10/23/12 20:15	321-60-8	
Terphenyl-d14 (S)	71 %		31-107	1	10/21/12 16:30	10/23/12 20:15	1718-51-0	
8260 MSV Low Level Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 08:09	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 08:09	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 08:09	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 08:09	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 08:09	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 08:09	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 08:09	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 08:09	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 08:09	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 08:09	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

Sample: MW-1	Lab ID: 92135834003	Collected: 10/17/12 12:30	Received: 10/19/12 08:35	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 08:09	75-00-3	
Chloroform	2.4	ug/L	1.0	1		10/25/12 08:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/25/12 08:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 08:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 08:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/25/12 08:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/25/12 08:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/25/12 08:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/25/12 08:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 08:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 08:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 08:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/25/12 08:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/25/12 08:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/25/12 08:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/25/12 08:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 08:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 08:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 08:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/25/12 08:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 08:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/25/12 08:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 08:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 08:09	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		10/25/12 08:09	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		10/25/12 08:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/25/12 08:09	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		10/25/12 08:09	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/25/12 08:09	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		10/25/12 08:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/25/12 08:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/25/12 08:09	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/25/12 08:09	91-20-3	
Styrene	ND	ug/L	1.0	1		10/25/12 08:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 08:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 08:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/25/12 08:09	127-18-4	
Toluene	ND	ug/L	1.0	1		10/25/12 08:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 08:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 08:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/25/12 08:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/25/12 08:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/25/12 08:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/25/12 08:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/25/12 08:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		10/25/12 08:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/25/12 08:09	75-01-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-1		Lab ID: 92135834003	Collected: 10/17/12 12:30	Received: 10/19/12 08:35	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 08:09	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 08:09	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 08:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		70-130	1		10/25/12 08:09	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		10/25/12 08:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		10/25/12 08:09	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 08:09	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-2	Lab ID: 92135834004	Collected: 10/17/12 14:00	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 22:53	7440-38-2	
Barium	225 ug/L		5.0	1	10/24/12 16:55	10/25/12 22:53	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/24/12 16:55	10/25/12 22:53	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:53	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:53	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 22:53	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 22:53	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 18:07	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 20:47	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 20:47	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	45 %		21-110	1	10/21/12 16:30	10/23/12 20:47	4165-60-0	
2-Fluorobiphenyl (S)	47 %		27-110	1	10/21/12 16:30	10/23/12 20:47	321-60-8	
Terphenyl-d14 (S)	71 %		31-107	1	10/21/12 16:30	10/23/12 20:47	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 08:28	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 08:28	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 08:28	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 08:28	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 08:28	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 08:28	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 08:28	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 08:28	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 08:28	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-2	Lab ID: 92135834004	Collected: 10/17/12 14:00	Received: 10/19/12 08:35	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 08:28	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 08:28	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 08:28	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 08:28	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 08:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 08:28	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 08:28	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 08:28	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 08:28	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 08:28	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 08:28	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 08:28	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:28	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:28	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:28	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:28	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:28	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:28	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:28	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:28	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:28	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 08:28	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 08:28	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 08:28	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 08:28	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 08:28	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 08:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 08:28	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 08:28	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 08:28	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 08:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 08:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 08:28	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 08:28	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 08:28	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 08:28	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 08:28	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 08:28	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 08:28	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 08:28	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 08:28	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 08:28	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 08:28	75-01-4	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-2		Lab ID: 92135834004		Collected: 10/17/12 14:00	Received: 10/19/12 08:35	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 08:28	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 08:28	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 08:28	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100 %		70-130	1		10/25/12 08:28	460-00-4	
Dibromofluoromethane (S)	106 %		70-130	1		10/25/12 08:28	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		10/25/12 08:28	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		10/25/12 08:28	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-3	Lab ID: 92135834005	Collected: 10/17/12 17:30	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 23:00	7440-38-2	
Barium	73.0 ug/L		5.0	1	10/24/12 16:55	10/25/12 23:00	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/24/12 16:55	10/25/12 23:00	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:00	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:00	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 23:00	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:00	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 18:10	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 21:19	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 21:19	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	58 %		21-110	1	10/21/12 16:30	10/23/12 21:19	4165-60-0	
2-Fluorobiphenyl (S)	59 %		27-110	1	10/21/12 16:30	10/23/12 21:19	321-60-8	
Terphenyl-d14 (S)	67 %		31-107	1	10/21/12 16:30	10/23/12 21:19	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 08:46	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 08:46	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 08:46	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 08:46	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 08:46	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 08:46	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 08:46	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 08:46	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 08:46	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-3	Lab ID: 92135834005	Collected: 10/17/12 17:30	Received: 10/19/12 08:35	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 08:46	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 08:46	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 08:46	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 08:46	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 08:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 08:46	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 08:46	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 08:46	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 08:46	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 08:46	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 08:46	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 08:46	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:46	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:46	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 08:46	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:46	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:46	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 08:46	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:46	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:46	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 08:46	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 08:46	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 08:46	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 08:46	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 08:46	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 08:46	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 08:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 08:46	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 08:46	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 08:46	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 08:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 08:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 08:46	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 08:46	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 08:46	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 08:46	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 08:46	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 08:46	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 08:46	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 08:46	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 08:46	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 08:46	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 08:46	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

Sample: MW-3		Lab ID: 92135834005		Collected: 10/17/12 17:30	Received: 10/19/12 08:35	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 08:46	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 08:46	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 08:46	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99 %		70-130	1		10/25/12 08:46	460-00-4	
Dibromofluoromethane (S)	106 %		70-130	1		10/25/12 08:46	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		10/25/12 08:46	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		10/25/12 08:46	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-4	Lab ID: 92135834006	Collected: 10/18/12 09:45	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 23:03	7440-38-2	
Barium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:03	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/24/12 16:55	10/25/12 23:03	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:03	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:03	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 23:03	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:03	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 18:12	7439-97-6	
8270 MSSV Semivolatile Organic								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	83-32-9	
Acenaphthylene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	208-96-8	
Anthracene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	120-12-7	
Benzo(a)anthracene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	56-55-3	
Benzo(a)pyrene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	50-32-8	
Benzo(b)fluoranthene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	191-24-2	
Benzo(k)fluoranthene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	207-08-9	
Chrysene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	53-70-3	
Fluoranthene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	206-44-0	
Fluorene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	193-39-5	
1-Methylnaphthalene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	90-12-0	
2-Methylnaphthalene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	91-57-6	
Naphthalene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	91-20-3	
Phenanthrene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	85-01-8	
Pyrene	ND ug/L		20.0	1	10/21/12 16:30	10/23/12 21:51	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	73 %		21-110	1	10/21/12 16:30	10/23/12 21:51	4165-60-0	
2-Fluorobiphenyl (S)	75 %		27-110	1	10/21/12 16:30	10/23/12 21:51	321-60-8	
Terphenyl-d14 (S)	73 %		31-107	1	10/21/12 16:30	10/23/12 21:51	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 09:05	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 09:05	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 09:05	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 09:05	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 09:05	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 09:05	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 09:05	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 09:05	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 09:05	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-4	Lab ID: 92135834006	Collected: 10/18/12 09:45	Received: 10/19/12 08:35	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 09:05	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 09:05	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 09:05	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 09:05	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 09:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 09:05	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 09:05	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 09:05	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 09:05	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 09:05	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 09:05	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 09:05	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:05	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:05	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:05	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:05	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:05	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:05	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:05	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:05	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:05	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 09:05	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 09:05	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 09:05	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 09:05	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 09:05	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 09:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 09:05	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 09:05	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 09:05	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 09:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 09:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 09:05	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 09:05	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 09:05	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 09:05	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 09:05	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 09:05	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 09:05	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 09:05	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 09:05	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 09:05	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 09:05	75-01-4	

Date: 10/29/2012 04:36 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

Sample: MW-4		Lab ID: 92135834006		Collected: 10/18/12 09:45	Received: 10/19/12 08:35	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 09:05	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 09:05	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 09:05	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96 %		70-130	1		10/25/12 09:05	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 09:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		10/25/12 09:05	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 09:05	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-100	Lab ID: 92135834007	Collected: 10/18/12 10:00	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 23:06	7440-38-2	
Barium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:06	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/24/12 16:55	10/25/12 23:06	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:06	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:06	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 23:06	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:06	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 17:30	10/29/12 13:59	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 22:23	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:23	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	73 %		21-110	1	10/21/12 16:30	10/23/12 22:23	4165-60-0	
2-Fluorobiphenyl (S)	76 %		27-110	1	10/21/12 16:30	10/23/12 22:23	321-60-8	
Terphenyl-d14 (S)	75 %		31-107	1	10/21/12 16:30	10/23/12 22:23	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 09:24	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 09:24	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 09:24	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 09:24	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 09:24	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 09:24	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 09:24	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 09:24	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 09:24	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: MW-100	Lab ID: 92135834007	Collected: 10/18/12 10:00	Received: 10/19/12 08:35	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 09:24	75-00-3	
Chloroform	ND ug/L		1.0	1		10/25/12 09:24	67-66-3	
Chloromethane	ND ug/L		1.0	1		10/25/12 09:24	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		10/25/12 09:24	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		10/25/12 09:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		10/25/12 09:24	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		10/25/12 09:24	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		10/25/12 09:24	106-93-4	
Dibromomethane	ND ug/L		1.0	1		10/25/12 09:24	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		10/25/12 09:24	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		10/25/12 09:24	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		10/25/12 09:24	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:24	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:24	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		10/25/12 09:24	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:24	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:24	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		10/25/12 09:24	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:24	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:24	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		10/25/12 09:24	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		10/25/12 09:24	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		10/25/12 09:24	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		10/25/12 09:24	87-68-3	
2-Hexanone	ND ug/L		5.0	1		10/25/12 09:24	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		10/25/12 09:24	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		10/25/12 09:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		10/25/12 09:24	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		10/25/12 09:24	1634-04-4	
Naphthalene	ND ug/L		1.0	1		10/25/12 09:24	91-20-3	
Styrene	ND ug/L		1.0	1		10/25/12 09:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 09:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		10/25/12 09:24	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		10/25/12 09:24	127-18-4	
Toluene	ND ug/L		1.0	1		10/25/12 09:24	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		10/25/12 09:24	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		10/25/12 09:24	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		10/25/12 09:24	79-00-5	
Trichloroethene	ND ug/L		1.0	1		10/25/12 09:24	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		10/25/12 09:24	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		10/25/12 09:24	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		10/25/12 09:24	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		10/25/12 09:24	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

Sample: MW-100		Lab ID: 92135834007		Collected: 10/18/12 10:00	Received: 10/19/12 08:35	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 09:24	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 09:24	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 09:24	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97 %		70-130	1		10/25/12 09:24	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 09:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	113 %		70-130	1		10/25/12 09:24	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 09:24	2037-26-5	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Sample: EB101812-1	Lab ID: 92135834008	Collected: 10/18/12 10:30	Received: 10/19/12 08:35	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	10/24/12 16:55	10/25/12 23:09	7440-38-2	
Barium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:09	7440-39-3	
Cadmium	ND ug/L		1.0	1	10/24/12 16:55	10/25/12 23:09	7440-43-9	
Chromium	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:09	7440-47-3	
Lead	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:09	7439-92-1	
Selenium	ND ug/L		10.0	1	10/24/12 16:55	10/25/12 23:09	7782-49-2	
Silver	ND ug/L		5.0	1	10/24/12 16:55	10/25/12 23:09	7440-22-4	
7470 Mercury								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	10/26/12 17:30	10/29/12 14:07	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 22:55	83-32-9	
Acenaphthylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	208-96-8	
Anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	120-12-7	
Benzo(a)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	56-55-3	
Benzo(a)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	207-08-9	
Chrysene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	53-70-3	
Fluoranthene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	206-44-0	
Fluorene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	193-39-5	
1-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	90-12-0	
2-Methylnaphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	91-57-6	
Naphthalene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	91-20-3	
Phenanthrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	85-01-8	
Pyrene	ND ug/L		10.0	1	10/21/12 16:30	10/23/12 22:55	129-00-0	
Surrogates								
Nitrobenzene-d5 (S)	76 %		21-110	1	10/21/12 16:30	10/23/12 22:55	4165-60-0	
2-Fluorobiphenyl (S)	81 %		27-110	1	10/21/12 16:30	10/23/12 22:55	321-60-8	
Terphenyl-d14 (S)	81 %		31-107	1	10/21/12 16:30	10/23/12 22:55	1718-51-0	
8260 MSV Low Level								
Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	1		10/25/12 06:36	67-64-1	
Benzene	ND ug/L		1.0	1		10/25/12 06:36	71-43-2	
Bromobenzene	ND ug/L		1.0	1		10/25/12 06:36	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		10/25/12 06:36	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		10/25/12 06:36	75-27-4	
Bromoform	ND ug/L		1.0	1		10/25/12 06:36	75-25-2	
Bromomethane	ND ug/L		2.0	1		10/25/12 06:36	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		10/25/12 06:36	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		10/25/12 06:36	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		10/25/12 06:36	108-90-7	

ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark

Sample Project No.: 92135834

Sample: EB101812-1	Lab ID: 92135834008	Collected: 10/18/12 10:30	Received: 10/19/12 08:35	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 06:36	75-00-3	
Chloroform	1.1	ug/L	1.0	1		10/25/12 06:36	67-66-3	
Chloromethane	ND	ug/L	1.0	1		10/25/12 06:36	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 06:36	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		10/25/12 06:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		10/25/12 06:36	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		10/25/12 06:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		10/25/12 06:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/25/12 06:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 06:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 06:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		10/25/12 06:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/25/12 06:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		10/25/12 06:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/25/12 06:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		10/25/12 06:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 06:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		10/25/12 06:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 06:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		10/25/12 06:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/25/12 06:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		10/25/12 06:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 06:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		10/25/12 06:36	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		10/25/12 06:36	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		10/25/12 06:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/25/12 06:36	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		10/25/12 06:36	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		10/25/12 06:36	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		10/25/12 06:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/25/12 06:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		10/25/12 06:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/25/12 06:36	91-20-3	
Styrene	ND	ug/L	1.0	1		10/25/12 06:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 06:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		10/25/12 06:36	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		10/25/12 06:36	127-18-4	
Toluene	ND	ug/L	1.0	1		10/25/12 06:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 06:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		10/25/12 06:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		10/25/12 06:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		10/25/12 06:36	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		10/25/12 06:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/25/12 06:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		10/25/12 06:36	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		10/25/12 06:36	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		10/25/12 06:36	75-01-4	



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ANALYTICAL RESULTS

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

Sample: EB101812-1		Lab ID: 92135834008		Collected: 10/18/12 10:30	Received: 10/19/12 08:35	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 06:36	1330-20-7	
m&p-Xylene	ND ug/L		2.0	1		10/25/12 06:36	179601-23-1	
o-Xylene	ND ug/L		1.0	1		10/25/12 06:36	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98 %		70-130	1		10/25/12 06:36	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		10/25/12 06:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		10/25/12 06:36	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		10/25/12 06:36	2037-26-5	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

QC Batch: MERP/4620 Analysis Method: EPA 7470
 QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
 Associated Lab Samples: 92135834002, 92135834003, 92135834004, 92135834005, 92135834006

METHOD BLANK: 860228 Matrix: Water
 Associated Lab Samples: 92135834002, 92135834003, 92135834004, 92135834005, 92135834006

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		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	ug/L	ND	2.5	2.5	2.5	2.5	98	100	75-125	2	25	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

QC Batch: MERP/4622 Analysis Method: EPA 7470
 QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
 Associated Lab Samples: 92135834007, 92135834008

METHOD BLANK: 860246 Matrix: Water
 Associated Lab Samples: 92135834007, 92135834008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/29/12 13:54	

LABORATORY CONTROL SAMPLE: 860247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 860248 860249

Parameter	Units	92135834007 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Spike Conc.	MSD Result						
Mercury	ug/L	ND	2.5	2.6	2.5	2.6	102	103	75-125	0	25	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

QC Batch: MPRP/11784 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 92135834002

METHOD BLANK: 857137 Matrix: Water

Associated Lab Samples: 92135834002

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-Ozark
Pace Project No.: 92135834

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-Ozark
 Pace Project No.: 92135834

QC Batch: MPRP/11795 Analysis Method: EPA 6010
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET
 Associated Lab Samples: 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

METHOD BLANK: 858662 Matrix: Water
 Associated Lab Samples: 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	10/25/12 22:19	
Barium	ug/L	ND	5.0	10/25/12 22:19	
Cadmium	ug/L	ND	1.0	10/25/12 22:19	
Chromium	ug/L	ND	5.0	10/25/12 22:19	
Lead	ug/L	ND	5.0	10/25/12 22:19	
Selenium	ug/L	ND	10.0	10/25/12 22:19	
Silver	ug/L	ND	5.0	10/25/12 22:19	

LABORATORY CONTROL SAMPLE: 858663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	509	102	80-120	
Barium	ug/L	500	474	95	80-120	
Cadmium	ug/L	500	517	103	80-120	
Chromium	ug/L	500	525	105	80-120	
Lead	ug/L	500	498	100	80-120	
Selenium	ug/L	500	493	99	80-120	
Silver	ug/L	250	244	98	80-120	

MATRIX SPIKE SAMPLE: 858664

Parameter	Units	92135834003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	ND	500	520	103	75-125	
Barium	ug/L	113	500	577	93	75-125	
Cadmium	ug/L	1.4	500	523	104	75-125	
Chromium	ug/L	ND	500	535	107	75-125	
Lead	ug/L	ND	500	495	99	75-125	
Selenium	ug/L	ND	500	501	100	75-125	
Silver	ug/L	ND	250	246	98	75-125	

SAMPLE DUPLICATE: 858665

Parameter	Units	92135834004 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	ug/L	ND	ND		20	
Barium	ug/L	225	222	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-Ozark
Pace Project No.: 92135834

SAMPLE DUPLICATE: 858665

Parameter	Units	92135834004 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-Ozark

Pace Project No.: 92135834

QC Batch: MSV/20828 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
 Associated Lab Samples: 92135834001, 92135834002, 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

METHOD BLANK: 859019 Matrix: Water
 Associated Lab Samples: 92135834001, 92135834002, 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,1,1-Trichloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,1,2-Trichloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,1-Dichloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,1-Dichloroethene	ug/L	ND	1.0	10/25/12 05:40	
1,1-Dichloropropene	ug/L	ND	1.0	10/25/12 05:40	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
1,2,3-Trichloropropane	ug/L	ND	1.0	10/25/12 05:40	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	10/25/12 05:40	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	10/25/12 05:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
1,2-Dichloroethane	ug/L	ND	1.0	10/25/12 05:40	
1,2-Dichloropropane	ug/L	ND	1.0	10/25/12 05:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
1,3-Dichloropropane	ug/L	ND	1.0	10/25/12 05:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
2,2-Dichloropropane	ug/L	ND	1.0	10/25/12 05:40	
2-Butanone (MEK)	ug/L	ND	5.0	10/25/12 05:40	
2-Chlorotoluene	ug/L	ND	1.0	10/25/12 05:40	
2-Hexanone	ug/L	ND	5.0	10/25/12 05:40	
4-Chlorotoluene	ug/L	ND	1.0	10/25/12 05:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/25/12 05:40	
Acetone	ug/L	ND	25.0	10/25/12 05:40	
Benzene	ug/L	ND	1.0	10/25/12 05:40	
Bromobenzene	ug/L	ND	1.0	10/25/12 05:40	
Bromochloromethane	ug/L	ND	1.0	10/25/12 05:40	
Bromodichloromethane	ug/L	ND	1.0	10/25/12 05:40	
Bromoform	ug/L	ND	1.0	10/25/12 05:40	
Bromomethane	ug/L	ND	2.0	10/25/12 05:40	
Carbon tetrachloride	ug/L	ND	1.0	10/25/12 05:40	
Chlorobenzene	ug/L	ND	1.0	10/25/12 05:40	
Chloroethane	ug/L	ND	1.0	10/25/12 05:40	
Chloroform	ug/L	ND	1.0	10/25/12 05:40	
Chloromethane	ug/L	ND	1.0	10/25/12 05:40	
cis-1,2-Dichloroethene	ug/L	ND	1.0	10/25/12 05:40	
cis-1,3-Dichloropropene	ug/L	ND	1.0	10/25/12 05:40	
Dibromochloromethane	ug/L	ND	1.0	10/25/12 05:40	
Dibromomethane	ug/L	ND	1.0	10/25/12 05:40	
Dichlorodifluoromethane	ug/L	ND	1.0	10/25/12 05:40	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

METHOD BLANK: 859019

Matrix: Water

Associated Lab Samples: 92135834001, 92135834002, 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	10/25/12 05:40	
Ethylbenzene	ug/L	ND	1.0	10/25/12 05:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/25/12 05:40	
m&p-Xylene	ug/L	ND	2.0	10/25/12 05:40	
Methyl-tert-butyl ether	ug/L	ND	1.0	10/25/12 05:40	
Methylene Chloride	ug/L	ND	2.0	10/25/12 05:40	
Naphthalene	ug/L	ND	1.0	10/25/12 05:40	
o-Xylene	ug/L	ND	1.0	10/25/12 05:40	
p-Isopropyltoluene	ug/L	ND	1.0	10/25/12 05:40	
Styrene	ug/L	ND	1.0	10/25/12 05:40	
Tetrachloroethene	ug/L	ND	1.0	10/25/12 05:40	
Toluene	ug/L	ND	1.0	10/25/12 05:40	
trans-1,2-Dichloroethene	ug/L	ND	1.0	10/25/12 05:40	
trans-1,3-Dichloropropene	ug/L	ND	1.0	10/25/12 05:40	
Trichloroethene	ug/L	ND	1.0	10/25/12 05:40	
Trichlorofluoromethane	ug/L	ND	1.0	10/25/12 05:40	
Vinyl acetate	ug/L	ND	2.0	10/25/12 05:40	
Vinyl chloride	ug/L	ND	1.0	10/25/12 05:40	
Xylene (Total)	ug/L	ND	2.0	10/25/12 05:40	
1,2-Dichloroethane-d4 (S)	%	107	70-130	10/25/12 05:40	
4-Bromofluorobenzene (S)	%	98	70-130	10/25/12 05:40	
Dibromofluoromethane (S)	%	104	70-130	10/25/12 05:40	
Toluene-d8 (S)	%	99	70-130	10/25/12 05:40	

LABORATORY CONTROL SAMPLE: 859020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.7	95	70-130	
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	45.1	90	70-130	
1,1,2-Trichloroethane	ug/L	50	48.1	96	70-130	
1,1-Dichloroethane	ug/L	50	46.9	94	70-130	
1,1-Dichloroethene	ug/L	50	45.7	91	70-132	
1,1-Dichloropropene	ug/L	50	44.4	89	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.7	103	70-135	
1,2,3-Trichloropropane	ug/L	50	48.1	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	53.4	107	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	44.9	90	70-130	
1,2-Dichloropropane	ug/L	50	44.6	89	70-130	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,3-Dichloropropane	ug/L	50	46.4	93	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

LABORATORY CONTROL SAMPLE: 859020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	45.0	90	70-130	
2,2-Dichloropropane	ug/L	50	39.9	80	58-145	
2-Butanone (MEK)	ug/L	100	94.9	95	70-145	
2-Chlorotoluene	ug/L	50	48.2	96	70-130	
2-Hexanone	ug/L	100	109	109	70-144	
4-Chlorotoluene	ug/L	50	47.6	95	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	88.2	88	50-175	
Benzene	ug/L	50	45.9	92	70-130	
Bromobenzene	ug/L	50	45.7	91	70-130	
Bromochloromethane	ug/L	50	46.1	92	70-130	
Bromodichloromethane	ug/L	50	46.3	93	70-130	
Bromoform	ug/L	50	41.4	83	70-130	
Bromomethane	ug/L	50	46.8	94	54-130	
Carbon tetrachloride	ug/L	50	47.6	95	70-132	
Chlorobenzene	ug/L	50	46.1	92	70-130	
Chloroethane	ug/L	50	42.5	85	64-134	
Chloroform	ug/L	50	46.3	93	70-130	
Chloromethane	ug/L	50	49.0	98	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.5	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	70-130	
Dibromochloromethane	ug/L	50	46.0	92	70-130	
Dibromomethane	ug/L	50	47.9	96	70-131	
Dichlorodifluoromethane	ug/L	50	54.7	109	56-130	
Diisopropyl ether	ug/L	50	41.4	83	70-130	
Ethylbenzene	ug/L	50	49.0	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	48.0	96	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	46.8	94	70-130	
Methylene Chloride	ug/L	50	42.4	85	63-130	
Naphthalene	ug/L	50	54.9	110	70-138	
o-Xylene	ug/L	50	52.1	104	70-130	
p-Isopropyltoluene	ug/L	50	51.5	103	70-130	
Styrene	ug/L	50	48.8	98	70-130	
Tetrachloroethene	ug/L	50	49.3	99	70-130	
Toluene	ug/L	50	46.6	93	70-130	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	70-132	
Trichloroethene	ug/L	50	47.8	96	70-130	
Trichlorofluoromethane	ug/L	50	52.1	104	62-133	
Vinyl acetate	ug/L	100	97.7	98	66-157	
Vinyl chloride	ug/L	50	44.6	89	69-130	
Xylene (Total)	ug/L	150	154	103	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Parameter	92135854002		MS		MSD		MS		MSD		MS		MSD		% Rec		Max		Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec	% Rec	Limits	RPD	RPD	RPD	RPD				
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	49.9	53.9	100	108	70-130	8	30								
1,1,1-Trichloroethane	ug/L	ND	50	50	53.9	58.2	108	116	70-130	8	30								
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	45.0	50.1	90	100	70-130	11	30								
1,1,2-Trichloroethane	ug/L	ND	50	50	49.5	53.4	99	107	70-130	8	30								
1,1-Dichloroethane	ug/L	ND	50	50	49.3	53.9	99	108	70-130	9	30								
1,1-Dichloroethene	ug/L	ND	50	50	48.8	52.4	98	105	70-166	7	30								
1,1-Dichloropropene	ug/L	ND	50	50	48.0	51.5	96	103	70-130	7	30								
1,2,3-Trichlorobenzene	ug/L	ND	50	50	51.5	57.3	103	115	70-130	11	30								
1,2,3-Trichloropropane	ug/L	ND	50	50	47.1	51.9	94	104	70-130	10	30								
1,2,4-Trichlorobenzene	ug/L	ND	50	50	54.2	58.7	108	117	70-130	8	30								
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	50.0	57.1	100	114	70-130	13	30								
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.3	55.1	105	110	70-130	5	30								
1,2-Dichlorobenzene	ug/L	ND	50	50	49.7	54.0	99	108	70-130	8	30								
1,2-Dichloroethane	ug/L	ND	50	50	45.4	49.6	91	99	70-130	9	30								
1,2-Dichloropropane	ug/L	ND	50	50	46.8	50.6	94	101	70-130	8	30								
1,3-Dichlorobenzene	ug/L	ND	50	50	49.6	53.9	99	108	70-130	8	30								
1,3-Dichloropropane	ug/L	ND	50	50	48.0	52.6	96	105	70-130	9	30								
1,4-Dichlorobenzene	ug/L	ND	50	50	46.8	51.0	94	102	70-130	9	30								
2,2-Dichloropropane	ug/L	ND	50	50	45.1	49.2	90	98	70-130	9	30								
2-Butanone (MEK)	ug/L	ND	100	100	90.8	99.8	91	100	70-130	9	30								
2-Chlorotoluene	ug/L	ND	50	50	51.4	54.5	103	109	70-130	6	30								
2-Hexanone	ug/L	ND	100	100	107	114	107	114	70-130	7	30								
4-Chlorotoluene	ug/L	ND	50	50	51.1	54.5	102	109	70-130	7	30								
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	105	112	105	112	70-130	6	30								
Acetone	ug/L	ND	100	100	84.0	90.1	84	90	70-130	7	30								
Benzene	ug/L	ND	50	50	48.2	52.3	96	105	70-148	8	30								
Bromobenzene	ug/L	ND	50	50	48.5	52.4	97	105	70-130	8	30								
Bromochloromethane	ug/L	ND	50	50	46.3	51.7	93	103	70-130	11	30								
Bromodichloromethane	ug/L	ND	50	50	48.4	54.1	97	108	70-130	11	30								
Bromoform	ug/L	ND	50	50	44.5	53.2	89	106	70-130	18	30								
Bromomethane	ug/L	ND	50	50	50.6	53.9	101	108	70-130	6	30								
Carbon tetrachloride	ug/L	ND	50	50	50.2	54.5	100	109	70-130	8	30								
Chlorobenzene	ug/L	ND	50	50	48.9	53.2	98	106	70-146	8	30								
Chloroethane	ug/L	ND	50	50	47.5	52.5	95	105	70-130	10	30								
Chloroform	ug/L	ND	50	50	49.3	54.7	99	109	70-130	10	30								
Chloromethane	ug/L	ND	50	50	48.3	54.3	97	109	70-130	12	30								
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.8	55.2	102	110	70-130	8	30								
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.9	52.4	94	105	70-130	11	30								
Dibromochloromethane	ug/L	ND	50	50	48.2	54.6	96	109	70-130	12	30								
Dibromomethane	ug/L	ND	50	50	48.5	52.3	97	105	70-130	8	30								
Dichlorodifluoromethane	ug/L	ND	50	50	55.0	59.0	110	118	70-130	7	30								
Diisopropyl ether	ug/L	ND	50	50	43.1	47.4	86	95	70-130	10	30								
Ethylbenzene	ug/L	ND	50	50	51.4	54.9	103	110	70-130	7	30								
Hexachloro-1,3-butadiene	ug/L	ND	50	50	51.4	56.1	103	112	70-130	9	30								
m&p-Xylene	ug/L	ND	100	100	108	115	108	115	70-130	7	30								
Methyl-tert-butyl ether	ug/L	2.1	50	50	50.4	55.2	97	106	70-130	9	30								
Methylene Chloride	ug/L	ND	50	50	43.9	47.8	88	96	70-130	8	30								

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 859021 859022											
Parameter	Units	92135854002 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Naphthalene	ug/L	ND	50	50	53.4	58.8	107	118	70-130	10	30
o-Xylene	ug/L	ND	50	50	55.2	60.1	110	120	70-130	8	30
p-Isopropyltoluene	ug/L	ND	50	50	55.0	58.8	110	118	70-130	7	30
Styrene	ug/L	ND	50	50	51.7	55.7	103	111	70-130	7	30
Tetrachloroethene	ug/L	ND	50	50	53.1	56.4	106	113	70-130	6	30
Toluene	ug/L	ND	50	50	49.6	53.8	99	108	70-155	8	30
trans-1,2-Dichloroethene	ug/L	ND	50	50	45.0	48.2	90	96	70-130	7	30
trans-1,3-Dichloropropene	ug/L	ND	50	50	51.8	57.3	104	115	70-130	10	30
Trichloroethene	ug/L	ND	50	50	51.0	54.2	102	108	69-151	6	30
Trichlorofluoromethane	ug/L	ND	50	50	55.2	59.3	110	119	70-130	7	30
Vinyl acetate	ug/L	ND	100	100	83.3	89.8	83	90	70-130	8	30
Vinyl chloride	ug/L	ND	50	50	47.4	51.0	95	102	70-130	7	30
1,2-Dichloroethane-d4 (S)	%						96	96	70-130		
4-Bromofluorobenzene (S)	%						102	104	70-130		
Dibromofluoromethane (S)	%						97	98	70-130		
Toluene-d8 (S)	%						100	100	70-130		

QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

QC Batch: OEXT/19395 Analysis Method: EPA 8270
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
 Associated Lab Samples: 92135834002, 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

METHOD BLANK: 857250 Matrix: Water
 Associated Lab Samples: 92135834002, 92135834003, 92135834004, 92135834005, 92135834006, 92135834007, 92135834008

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	



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QUALITY CONTROL DATA

Project: 32538-5 Double Eagle-Ozark
 Pace Project No.: 92135834

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				

QUALIFIERS

Project: 32538-5 Double Eagle-Ozark
Pace Project No.: 92135834

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 32538-5 Double Eagle-Ozark

Pace Project No.: 92135834

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92135834002	MW-5	EPA 3010	MPRP/11784	EPA 6010	ICP/10788
92135834003	MW-1	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834004	MW-2	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834005	MW-3	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834006	MW-4	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834007	MW-100	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834008	EB101812-1	EPA 3010	MPRP/11795	EPA 6010	ICP/10805
92135834002	MW-5	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135834003	MW-1	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135834004	MW-2	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135834005	MW-3	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135834006	MW-4	EPA 7470	MERP/4620	EPA 7470	MERC/4526
92135834007	MW-100	EPA 7470	MERP/4622	EPA 7470	MERC/4528
92135834008	EB101812-1	EPA 7470	MERP/4622	EPA 7470	MERC/4528
92135834002	MW-5	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834003	MW-1	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834004	MW-2	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834005	MW-3	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834006	MW-4	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834007	MW-100	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834008	EB101812-1	EPA 3510	OEXT/19395	EPA 8270	MSSV/6905
92135834001	TB101712-1	EPA 8260	MSV/20828		
92135834002	MW-5	EPA 8260	MSV/20828		
92135834003	MW-1	EPA 8260	MSV/20828		
92135834004	MW-2	EPA 8260	MSV/20828		
92135834005	MW-3	EPA 8260	MSV/20828		
92135834006	MW-4	EPA 8260	MSV/20828		
92135834007	MW-100	EPA 8260	MSV/20828		
92135834008	EB101812-1	EPA 8260	MSV/20828		