



Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003

PREPARED FOR:

**Bald Head Island Transportation Authority
c/o McGuire Woods, LLP
300 North Third Street, Suite 320
Wilmington, North Carolina 28401**

PREPARED BY:

**S&ME, Inc.
3201 Spring Forest Road
Raleigh, North Carolina 27616**

February 6, 2019



February 6, 2019

Bald Head Island Transportation Authority
c/o McGuire Woods, LLP
300 North Third Street, Suite 320
Wilmington, North Carolina 28401

Attention: Chair Susan Rabon

via email: susanrabon@gmail.com

Reference: **Phase I Environmental Site Assessment**
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003

Dear Chair Rabon:

S&ME, Inc. has completed a Phase I Environmental Site Assessment (ESA) for the referenced property (i.e. "the subject property"). The attached report presents the findings of the Phase I ESA, which was performed in accordance with ASTM E1527-13 and S&ME Proposal No. 43-1800971, dated December 14, 2018. The purpose of the Phase I ESA was to identify, to the extent feasible, *recognized environmental conditions* in connection with the property.

ASTM E 1527-13 states that an Environmental Site Assessment "meeting or exceeding" this practice and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid if the report is being relied on by the User for whom the assessment was originally prepared and the following components were completed: interviews, the regulatory review, site visit, and the declaration by the environmental professional responsible for the assessment. Based on this requirement, this report is presumed to be valid for 180 days after January 3, 2019.

S&ME appreciates the opportunity to provide this Phase I ESA for this project. Please contact us at your convenience if there are questions regarding the information contained in this report.

Sincerely,
S&ME, Inc.

Handwritten signature of Claudia B. Irvin in blue ink.

Claudia B. Irvin, E.I.T.
Environmental Professional
cirvin@smeinc.com
919-954-6208

Handwritten signature of Edmund Woloszyn, Jr. in blue ink.

Edmund Woloszyn, Jr., R.E.M.
Senior Consultant
ewoloszyn@smeinc.com
919-954-6212



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Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003





EXECUTIVE SUMMARY

S&ME has completed a Phase I Environmental Site Assessment (ESA) of a portion of the parcel located at 1301 Ferry Road (subject property) in Southport, Brunswick County, North Carolina. Based on a review of the Brunswick County GIS website, the entire parcel consists of 78.78 acres (Brunswick County Parcel ID No. 23800003) and is developed as the Deep Point Marina and Ferry Terminal, including a dredge spoils pond and the associated parking areas. The "subject property" being assessed is the 78-acre parcel, minus the Harbor Master building, marina and associated parking.

Hydraulic equipment was observed in the southeastern portion of the subject property and in the ferry terminal. Three above ground storage tanks (ASTs): one approximate 250-gallon containing used oil, one 300-gallon containing bilge slops from the ferries, and one approximate 250-gallon containing used oil filters and drained oil, are located on the north side of the Maintenance Building. One 300-gallon AST containing new oil is located inside the Maintenance Building. Two diesel generators were observed in the eastern portion of the subject property. Drums containing petroleum were observed inside and adjacent to the Maintenance Building. An oil/water separator is located on the north side of the Maintenance Building. Golf cart batteries and propane tanks were observed stored adjacent to the Shipping and Receiving Building. An area of fill was observed in the northeastern portion of the subject property. Two waste dumpsters were observed: a solid waste dumpster adjacent to the Shipping and Receiving Building and a trash compactor north of the Maintenance Building. One sump is located on the subject property, adjacent to the maintenance facility. No visual evidence of contamination or incident have been recorded with these observed findings.

The subject property was listed in the Emergency Response Notification System (ERNS), SPILLS, Facility Index System (FINDS), Underground Storage Tank (UST), and National Pollutant Discharge Elimination System (NPDES), and Enforcement and Compliance History (ECHO) databases in the regulatory records research (EDR Radius Map Report with GeoCheck). Three off-site facilities were identified in one or more of the following databases: Leaking Underground Storage Tank (LUST), Incident Management (IMD), UST, and Hazardous State Disposal Site (HSDS).

This assessment has revealed no evidence of recognized environmental conditions or controlled recognized environmental conditions in connection with the subject property, with the exception of:

- Two petroleum underground storage tanks and associated lines and sumps are located on the southwestern adjoining property at the marina. Although there are no reported releases, USTs systems commonly develop leaks and present a material threat of a release of petroleum product to the soil and groundwater, which could potential impact the groundwater at the subject property.



1.0 INTRODUCTION

S&ME, Inc. (S&ME) conducted a Phase I ESA of the parcel, minus the Harbor Master store, marina and associated parking and facilities, located at 1301 Ferry Road in Southport, Brunswick County, North Carolina (the subject property). The Phase I ESA was conducted in accordance with the American Society for Testing and Materials (ASTM) E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and in accordance with S&ME, Inc. Proposal No. 43-1800971, dated December 14, 2018.

1.1 Purpose

The User of this report is Bald Head Island Transportation Authority (BHITA). The purpose of the Phase I ESA is to identify, pursuant to ASTM E 1527-13, *recognized environmental conditions* and *controlled recognized environmental conditions* in connection with the subject property. It is S&ME's understanding that the Phase I ESA is being completed for a potential property transaction.

ASTM defines the term *recognized environmental condition* (REC) as the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

ASTM defines the term *controlled recognized environmental condition* (CREC) as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

ASTM defines the term *historical recognized environmental condition* (HREC) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

The terms do not include *de minimis* 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* conditions are neither recognized environmental conditions, nor controlled recognized environmental conditions, nor historical recognized environmental conditions in connection with the subject property.



1.2 Detailed Scope of Services

1.2.1 ASTM E 1527-13

S&ME's approach to performing this Phase I ESA consisted of four major tasks in accordance with ASTM Standard Practice E 1527-13.

Task 1 - A review of reasonably ascertainable public records for the subject property and the immediate vicinity was conducted. This review was performed to characterize environmental features of the subject property and to identify past and present land use activities, on or in the vicinity of the subject property, which may indicate a potential for *recognized environmental conditions*. The review of the reasonably ascertainable public records included:

- A. Review of federal, state, tribal, and reasonably ascertainable local public records for the subject property and immediate vicinity.
- B. Review of one or more of the following standard sources: aerial photographs, fire insurance maps, tax files, building department records, zoning/land use records, street directories and topographic maps of the subject property and vicinity for evidence suggesting past uses that might have involved hazardous substances or petroleum products.
- C. Review of land title records back to 1940 or first developed use, whichever is earlier, as well as a copy of the current deed if the documents are provided to S&ME by the Phase I ESA user.

Task 2 - A site reconnaissance was performed to identify visible signs of past or existing contamination on or adjacent to the subject property. This reconnaissance was also performed to evaluate evidence found in our public record review that might indicate activities resulting in hazardous substances or petroleum products being used or deposited on the subject property. The site reconnaissance included the following activities:

- A. A reconnaissance of the subject property and adjacent properties was performed to look for evidence of current and past property uses, signs of spills, stressed vegetation, buried waste, underground or above ground storage tanks, subsidence, transformers, or unusual soil discoloration, which may indicate the possible presence of contaminants on the properties. Photographs are provided to document these conditions.
- B. The exterior reconnaissance involved a viewing of the periphery of the subject property and a walk-through of accessible areas of the site interior including the exterior of on-site structures, if present.
- C. Areas of the subject property were photographed to document the current use(s) of the subject property, as well as conditions such as unusually discolored soil, stressed vegetation, or other significant features associated with the subject property.

Task 3 – Interviews with past and present property owners (if available), operators and occupants as well as with appropriate local officials were conducted to consider any local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties.

Task 4 - Report preparation.



1.2.2 Exclusions from and Additions to Scope of Services

Unless specifically authorized as an addition to the Phase I ESA work scope, the assessment did not include assessment of environmental conditions not specifically included in the ASTM E 1527-13 standard including, but not limited to sampling of materials (i.e., soil, surface water, groundwater or air), or the assessment of business risk issues such as wetlands, lead in drinking water, asbestos containing materials, mold, fungi or bacteria in on-site buildings, regulatory compliance, cultural/historic risks, industrial hygiene, health/safety, ecological resources, endangered species, indoor air quality, vapor intrusion, radon or high voltage power lines.

1.3 Significant Assumptions

Information obtained from the Client, the Client's representatives, individuals interviewed, and prior environmental reports was considered to be accurate unless S&ME's reasonable inquiries clearly revealed otherwise.

The groundwater within the local geologic province is typically contained in an unconfined (water table) aquifer. The slope of the water table under static conditions (no pumping interference) often approximates the land surface topography. Thus, the interpreted groundwater flow direction is assumed to be approximately the same as the topography of the ground surface. Perennial surface waters (creeks, streams, rivers, ponds, etc.) are assumed to act as a discharge point for groundwater flow.

1.4 Limitations and Exceptions of Assessment

The Phase I ESA was conducted using ASTM E 1527-13. The findings of this report are applicable and representative of conditions encountered at the property on the date of this assessment, and may not represent conditions at a later date. The review of public records was limited to that information that was available to S&ME at the time this report was prepared. Interviews with local and state government authorities were limited to those people whom S&ME was able to contact during the preparation of this report. Information was derived from "reasonably ascertainable" and "practically reviewable" sources in compliance with our understanding of the standards set forth by ASTM E 1527-13.

1.5 Special Terms and Conditions

This Phase I ESA was conducted in accordance with S&ME, Inc. Proposal No. 43-1800971, dated December 14, 2018.

1.6 User Reliance

The resulting report is provided for the sole use of the Client, BHITA, and McGuire Woods, LLP. Use of this report by any third parties will be at such party's sole risk except when granted under written permission by S&ME. Any such authorized use or reliance by third parties will be subject to the same Agreement under which the work was conducted for the Client.

The additional party's use and reliance on the report will be subject to the same rights, obligations, and limitations imposed on the client by our Agreement, unless otherwise agreed. However, the total liability of S&ME to all parties of the Phase I ESA shall be limited to the remedies and amounts as provided in the Agreement as a single contract. The additional party's use and reliance on the report shall signify the additional party's agreement to be bound by the proposal and contract that make up the Agreement between S&ME and the Client.



2.0 GENERAL SITE DESCRIPTION

2.1 Site Location

The subject property is developed as a ferry terminal for transporting persons and equipment to and from Bald Head Island. The location of the subject property is shown on **Figures 1 and 2** in **Appendix I**. An aerial photograph of the subject property illustrating the subject property aerial limits relative to the parent parcel and other pertinent features is presented on **Figures 3, 3A, 3B and 3C** in **Appendix I**. According to the Brunswick County GIS website, the subject property is identified with the parcel identification number (PIN) and address presented on **Table 2-1** below:

Table 2-1 Parcel Information

Parcel ID No.	Property Owner	Property Address/Description	Acreage
23800003	Bald Head Island Limited, LLC P.O. Box 3069 Bald Head Island, NC 28461	1301 Ferry Road Southport, NC 76.39 acres, Plat 20/414 SR-1540. Deed Bk 1083/Pg 879	76.68 acres

2.2 Site and Vicinity Characteristics

The subject property is developed as a ferry terminal for transporting persons and equipment to and from Bald Head Island. The property also has a dredge spoils area. Properties in the site vicinity are forested and residential, a marina, and a state owned and operated ferry terminal is adjacent to the north.

3.0 USER PROVIDED INFORMATION

Certain information identified in ASTM E 1527-13 was provided by the User of this report (Client) via a User Questionnaire completed by email correspondence. A hard copy of the User Questionnaire was not completed. However, on February 4, 2019, Mr. Brad Smith with BHITA stated in an email that he was not aware of anything significant related to the subject property. A copy of the email from Mr. Smith is included in **Appendix VI**.

3.1 Title Records

The Client or their representative did not provide S&ME with title records for review, and S&ME was not engaged by the Client to secure a chain of title report as part of the Scope of Services.

3.2 Environmental Liens or Activity and Use Limitations

Review of Activity and Use Limitations (AULs) and environmental liens by the *environmental professional* can help in determining if a *recognized environmental condition* is associated with the property. AULs can include both institutional and engineering controls, and are often recorded in land title records in the restrictions of record rather than a typical chain-of-title or title abstract. The User has the responsibility of checking land title and judicial (federal, state, tribal and local) records.



No lien/AUL search was provided by the Client, and no information regarding environmental liens, AULs, or governmental notification relating to past or recurrent violations of environmental laws with respect to the subject property was reported to S&ME by Mr. Smith.

3.3 Specialized Knowledge

Mr. Smith indicated that he does not have specialized knowledge that is material to *recognized environmental conditions* identified in connection with the subject property.

3.4 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information about the subject property within the local community that was material to *recognized environmental conditions* in connection with the subject property was reported to S&ME by Mr. Smith.

3.5 Valuation Reduction for Environmental Issues

Mr. Smith did not indicate if the purchase price being paid for the property reasonably reflects the fair market value for the property.

3.6 Owner, Property Manager and Occupant Information

Parcel number and property owner information for the site is provided in **Section 2, Table 1** of this report. Bald Head Island Limited is the owner of the parcel. The subject property is currently developed as a ferry terminal. A copy of the Brunswick County Property Card is included in **Appendix III**.

3.7 Reason for Performing the Phase I ESA

It is our understanding that the Phase I ESA is being conducted as part of due diligence activities for the potential purchase of the subject property. The purpose of the Phase I ESA is to identify, pursuant to ASTM E 1527-13, *recognized environmental conditions* in connection with the property. In addition, the Phase I ESA may qualify the lender for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations on CERCLA liability.

3.8 Other

No other information was indicated by the client. However, during a meeting with the current property owner and the User on January 9, 2019, Bald Head Island Limited allowed S&ME to utilize the information provided by Bald Head Island Limited in the Phase I ESA conducted of the subject property in 2017 to be utilized for this ESA.

This information included: site construction drawings for the ferry terminal and a 1998 survey of the parcel. The survey shows the property (158.75 acres owned by Bald Head Island Limited (Reputed Owner)), with Pfizer Inc. Also provided were:

- an aerial photo depicting the location of the wet pond and outfall structure associated with the NPDES Stormwater permit;
- a portion of a plan sheet identifying the location of the two USTs and transitional sumps near the Harbor Master Building;



- a marina site plan showing the locations of the buildings onsite which was part of the NPDES Permit application;
- an aerial of the dredge spoils basin as of June 9, 2017; an aerial of the Deep Point Ferry Terminal and Marina on October 29, 2016;
- an aerial of the Deep Point Ferry Terminal and Marina on July 5, 2011; and,
- a preliminary plan sheet for the construction of the maintenance pier.

A portion of these documents are included in **Appendix VII**.

4.0 RECORDS REVIEW

This section summarizes records obtained and reviewed to help identify *recognized environmental conditions* in connection with the subject property.

4.1 Standard Environmental Record Sources

S&ME reviewed selected federal and state regulatory lists in an attempt to identify recorded information concerning environmental impacts or conditions or concerns associated with the subject property. S&ME reviewed the regulatory lists obtained from Environmental Data Resources (EDR). The database report is attached as **Appendix II**, including a listing of the databases, search distances, an explanation of each database, and figures depicting the approximate locations of regulated facilities in the vicinity of the subject property.

Regulatory listings are limited and include only those facilities or incidents that are known to the regulatory agencies at the time of publication, in the process of evaluation for potential contamination, or to store/generate potentially hazardous substances, waste, or petroleum.

The EDR report identified the subject property on the ERNS, SPILLS, UST, NPDES, FINDS and ECHO databases. However, the USTs identified in the database are for the southwestern adjacent marina property, not included as part of the subject property for this assessment. Findings of the EDR Radius Map Report are discussed below.

Table 4-1 Review of Database Search

Facility	Location Direction & Distance	Record
Deep Point Marina	1301 Ferry Road – Subject Property	ERNS, SPILLS, UST, NPDES, FINDS, ECHO
Comments		
<p>Various releases from personal boats in the marina area have been reported and are documented in the ERNS database (Appendix IV). These included a release of two gallons of diesel and water mixture in 2014, a release of one gallon of waste oil in 2014, a release of two cups of lube oil in 2014, an oil spill from a pumping island of approximately five gallons in 2011, an unknown oil sheen detected in the marina in 2014 and one in 2016, a bilge water sheen discharge in 2017, a sunken pleasure vessel with a discharge of motor oil in 2018, a tractor trailer truck rolled off front of barge and became submerged and release an unknown amount of oil in 2018, and a sheen from an unknown source in 2012, in 2015 and again in 2018. These incidents have been remedied through booms and adsorbents.</p> <p>A Ship and Boat Building Stormwater Discharge Permit Certificate of Coverage has been held by the facility since June 2, 2015. The permit expires on May 31, 2020. No known violations were identified in association with this permit.</p>		

Phase I Environmental Site Assessment

Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina

S&ME Project No. 4305-19-003



On the adjacent property, the marina, one 12,000-gallon diesel and one 8000-gallon gasoline UST are located near the Harbor Master building, which were installed in 2009. No incidents have been recorded with the USTs.		
Facility	Location Direction & Distance	Record
Southport Ferry – Product Line Leak	1650 Ferry Road – Approximately 27 feet north-northeast of the subject property	LUST, IMD
Comments		
A LUST Incident (No. 32232) occurred at the facility on May 28, 2005, with the release of diesel fuel to groundwater. Soil to groundwater cleanup has been achieved to alternative standards.		
Based on limited information, a North Carolina Department of Environmental Quality (NCDEQ) file review was completed (See Section 4.1.1).		
Facility	Location Direction & Distance	Record
Southport Ferry USTs	SR 1540 – Approximately 170 feet northeast	LUST, IMD, UST
Comments		
A LUST Incident (No. 17758) is associated with a release from diesel UST closures at the facility in 1992 with confirmation of the release of petroleum to soil. Soil to groundwater cleanup was achieved to the NCDEQ standards. The Incident was Closed Out in 2006 with the issuance of a Notice of No Further Action from NCDEQ with Notice of Residual Petroleum. Groundwater in the area is expected to flow north, northeast towards the Cape Fear River, away from the subject property. Documentation pertaining to this incident is contained in Appendix IV. Currently there are two registered 10,000-gallon diesel USTs at the facility, which were installed in 1992.		
Facility	Location Direction & Distance	Record
Scheid Estate	1040 River Road – Approximately 2,370 feet west-southwest	LUST
Comments		
A LUST incident (No 32381) occurred at the residence in 2006 during the removal of a heating oil UST and a release of petroleum to soil was identified. Soil to groundwater cleanup standards were achieved. The LUST Incident was Closed Out in 2007. Documentation pertaining to this incident is contained in Appendix IV.		
Facility	Location Direction & Distance	Record
Pfizer Inc.	Approximately 2,572 feet north-northeast of the subject property	HSDS
Comments		
A hazardous state disposal site (Superfund ID: 075 578 385) has been identified at the Pfizer Inc. facility. Based on limited information in the EDR Report, a NCDEQ file review was completed (See Section 4.1.1).		

Mr. Bill Mack with Bald Head Island Limited disclosed in 2017 information pertaining to samples collected from the dredge spoil disposal pond located on the eastern side of the subject property. The spoils pond was nearing its storage capacity and the marina needed to remove existing spoil soil to another location to create additional storage capacity for future dredging operations. Samples of the spoil were collected to assess future use of dredge spoils soil. The spoil soil was sampled and the results indicated that arsenic was reported at concentrations that were above NCDEQ’s action levels. Subsequent sampling demonstrated that arsenic was likely naturally occurring. The NCDEQ, Inactive Hazardous Sites Branch (IHSB) concurred with the findings as documented in a letter from Sue Robbins of NCDEQ to Mr. Mack dated March 20, 2017 (**Appendix IV**) and the IHSB did not assign an incident number.



4.1.1 NCDEQ File Review

As part of this Phase I ESA, the North Carolina Department of Environmental Quality (NCDEQ) was contacted concerning file information pertaining to subject Property. Pertinent information from the file is included in **Appendix IV** and is summarized as follows:

Southport Ferry – Product Line Leak. – 1650 Ferry Road – Approximately 27 feet north-northeast of the subject property.

According to a report entitled Groundwater Monitoring Report compiled by the North Carolina Department of Transportation (NCDOT), dated April 27, 2015, the site is located approximately 840 feet northeast of the subject property. A broken product line was identified after the line leak detectors were activated and a product line test was conducted. Free product was identified in onsite monitor wells per the EDR Report. A contamination plume is contained to the facility location. During a 2015 sampling event, groundwater contamination levels were determined not to exceed NCAC 15A.02L groundwater standards. Groundwater in the area is expected to flow north, northeast towards the Cape Fear River, away from the subject property.

Pfizer Inc. – approximately 2,572 feet north-northeast of the subject property.

According to a June 1989 Site Screening Investigation Report compiled by the North Carolina Division of Health Services, Pfizer, Inc. is located on Moore Street, approximately 2,575 feet north-northeast of the subject property. The facility manufactures citric acid, potassium citrate, sodium citrate and gypsum and land applies the biomass waster and the “carbon cake mud”. Barium has been detected during a sampling event in March 1989 within drinking level standards. Groundwater flow is calculated to flow south, southeast towards the subject property. Price Creek forms a hydraulic barrier between the Pfizer facility and the subject property.

The vehicular reconnaissance did not identify any additional facilities within one-half mile of the Subject Property that were not identified in the EDR Radius Map Report with GeoCheck, or the NCDEQ site maps.

4.2 Additional Environmental Record Sources

4.2.1 EDR Supplementary Sources

The EDR report also includes additional environmental records not listed among the standard federal, state and tribal databases, such as historical auto stations, dry cleaners and manufactured gas plants. No facilities were identified within a one mile radius as a manufactured gas plant or within 1/8th of a mile as a historical drycleaner or historical auto station.

4.2.2 Tribal Record Sources

The EDR Radius Map Report did not reveal listings of tribal environmental records. S&ME reviewed a map the Federal Indian Reservation lands for North Carolina. This map was obtained from the U.S. Department of the Interior. Based on our review of this map, no tribal lands or Indian reservations are present on the Subject Property or local vicinity.



4.2.3 *Other Record Sources*

Orphan sites are facilities identified within the EDR Radius Report that could not be mapped due to poor or inadequate address information. The EDR Report identified the following facilities as orphan sites:

- ◆ Archer Daniels Midland ADM PCB SPI – Moore Street
The facility was identified in the Superfund Enterprise Management System (SEMS) database within the EDR Radius Report. The facility is located approximately 2,572 feet north-north east of the subject property on East Moore Street at the former Pfizer Inc. facility. In May 1992, approximately 30 pounds of polychlorinated biphenyls (PCB) was released from a capacitor at the facility. Contaminated soil was excavated in May 1992. Sampling events during July 1992 indicated PCB levels above standards. According to the 1989 *Site Screening Investigation Report* for the former Pfizer, Inc., facility groundwater at the facility is expect to flow south towards Price Creek and southeast towards the Cape Fear River, away from the subject property.

4.3 **Physical Setting Sources**

Physical setting sources specified in Section 12.0 of this report were reviewed to provide information about the geology and hydrogeology of the area of the subject property.

4.3.1 *Surface Drainage and Soil*

Based upon the topographic map reviewed, the area of the subject property slopes to the south-southeast towards the Cape Fear River, located adjacent southeast of the subject property (see **Figure 2, Appendix I**). The subject property has a surface elevation ranging from 0 to 20 feet above the National Geodetic Vertical Datum of 1929. Based on observations during the site visit, surface drainage appears to drain towards the south, southeast.

Information regarding the area soils was obtained from the USDA-NRCS Soil Survey of Brunswick County, North Carolina published 1984. Soils at the majority of the subject property are characterized as Wando fine sand, 0 to 6 percent slopes. Wando soils are excessively drained found mostly on instream areas. Wando soils have a slow runoff rate, high permeability rate, and a low available water capacity. Fine sand is found throughout the soil profile. Additional soil series within the subject property include Newhan fine sand, dredge, 2 to 30 percent slopes, Dorovan muck, and Longshoal muck.

4.3.2 *Bedrock*

According to the Geologic Map of North Carolina dated 1986, the subject property is located in the Coastal Plain Physiographic Province of North Carolina. The formation is underlain by surficial deposits undivided consisting of sand, clay, and gravel of the Cenozoic era. The Coastal Plain Province generally consists of flat plains with occasional hills and ridges which are dissected by a well-developed system of draws and streams and is predominantly underlain by sedimentary rock (formed by sand, mudstone, and marine deposits).

4.3.3 *Groundwater*

The source of groundwater in Brunswick County is precipitation in the form of rain and snow. A portion of the precipitation infiltrates into the ground and moves under the influence of gravity to the water table. Brunswick



County contains a lowland plain moderately dissected by streams. Inter-stream areas are generally low, and most of the larger streams are bordered by wide flood plains.

Based upon a review of topographic maps, groundwater is expected to flow south-southeast towards the Cape Fear River, located adjacent southeast of the subject property.

4.4 Historical Use Information on the Property

S&ME reviewed aerial photographs obtained from EDR (1956, 1958, 1964, 1969, 1975, 1983, 1987, 1993, 1999, 2000, 2005, 2006, 2008, 2009, 2010, 2012), Brunswick County GIS website (2016). Topographic maps were obtained from EDR (1946, 1969, 1970, 1979, 1990, 1999, 2013). Sanborn® Fire Insurance Maps were not available for the subject property and surrounding vicinity. S&ME reviewed city directories obtained from EDR (1992, 1995, 1999, 2003, 2008, 2013). Historical information is included in Appendix III. As part of this assessment, the 2016 Kure Beach, NC and 2016 Southport, NC USGS topographic maps were reviewed, and are included as Figure 2, Appendix I.

Table 4-2 Historical Use Summary Table (Onsite)

Listing/Observed Feature	Source(s)
The subject property is forested and undeveloped from 1956, 1958, 1964, 1969, 1975, 1983, 1987, and 1993. Dredging activities are observed in the eastern portion of the subject property beginning in 1969 through 1993. In 1999, dredging for the Deep Point Marina is depicted in the eastern portion of the subject property. The initiation of the Deep Point Marina and parking facilities are depicted in the 2005 aerial. The facility was expanded in 2008 to include asphalt parking lots in the northern and western portion of the subject property. Ferry Road Southeast is first depicted in 1969.	Aerial Photographs
The subject property is mapped as vacant and forested in 1946, 1969, 1970, 1979, 1990, and 1999. The 2013 topo shows the southeastern portion of the parcel as cleared. Several unimproved roads are shown throughout the property in 1946, 1969, and 1970. Deep Water Point is depicted southeast of the subject property in 1946, 1969, 1970, 1979, 1990, 1999, and 2013.	Topographic Maps
The subject property is listed as Bald Head Island Limited and Bald Head Island Country Club in 2013. Ferry Road was not listed prior to 2013 in the City Directory search.	City Directories
The subject property is developed as the Deep Point Marina and improved with the Ferry Terminal and associated buildings, asphalt pathways and parking lots.	Brunswick County GIS Website

The standard historical sources listed below were not reviewed. It is S&ME's opinion that these sources would not provide additional meaningful and complete information, or the sources were not considered to be practically reviewable or reasonably ascertainable.

- Property Tax Files
- Recorded Land Titles
- Building Department records
- Zoning/land use records



4.5 Historical Use Information on Adjoining Properties

Historical information including aerial photographs, topographic maps, city directories and regulatory records were reviewed to assess off-site historical land uses. Our findings are presented in the following tables.

Table 4-3 Historical Use Summary Table (Off-Site)

Current Use/Location	Prior use
North: Ferry Road Southeast, forested/undeveloped, Price Creek, Archer Daniels Midland	The area to the north is depicted as forested and undeveloped since 1956. Ferry Road Southeast is first depicted north of the subject property in 1969. Archer Daniels Midland is first depicted northeast in 1975.
East: Cape Fear River, dredging activities, undeveloped/forested	The area to the east is depicted as the Cape Fear River. Dredging activities are first depicted northeast of the subject property starting in 1969.
South: Marina and Harbor Master Building and parking area, Pebble Shore Lane, forested/undeveloped, residential	The area to the south is depicted as forested and undeveloped until 1999. Beginning in 1999, the area south of the subject property, a residential neighborhood is depicted. Pebble Shore Lane is depicted south of the subject property beginning 1975. The marina is beginning to be dredged by 1999 and appears to be operational by 2010.
West: forested/undeveloped, residential	The area to the south is depicted as forested and undeveloped until 1999. Beginning in 1999, the area south of the subject property, a residential neighborhood is depicted.

4.6 Vapor Encroachment Screening

Vapor Encroachment Screening (VES) of identified potential contaminant sources was performed as part of this Phase I ESA. The conclusions of the VES indicate that a Vapor Encroachment Condition (VEC) does not exist. The VES is provided as **Appendix IV**.

5.0 SITE RECONNAISSANCE

The site reconnaissance was performed by Ms. Claudia Irvin of S&ME on January 9, 2019. The purpose of the site reconnaissance was to identify *recognized environmental conditions* at the subject property and identify sites of similar environmental concern located within ¼ mile of the subject property. The subject property was observed for evidence of past or present activities that could have led to the deposition of hazardous substances or petroleum products.

5.1 Methods and Limiting Conditions

The purpose of the site reconnaissance is to "obtain information indicating the likelihood of identifying *recognized environmental conditions* in connection with the property." The site reconnaissance was performed by walking the subject property. Photographs of the existing conditions of the Subject Property were taken to document the current uses, which are included in **Appendix V**.



5.2 General Site Setting

5.2.1 *Current Use(s) of the Subject Property*

The subject property is developed as the Deep Point Marina and Mainland Ferry Terminal and associated docks and parking lots (**Photos 1 and 2**). An aerial photograph of the subject property is presented as **Figures 3, 3A, 3B and 3C** in **Appendix I**.

5.2.2 *Past Use(s) of the Subject Property*

The subject property was previously used as a barge landing and contractor ferry with access from unimproved roads through the property as noted in the interview with Mr. Bill Mack of Bald Head Island Limited, LLC.

5.2.3 *Current Use(s) of Adjoining and Surrounding Properties*

The current uses of the adjoining properties were identified to the extent that they were visually observed from the subject property during our field reconnaissance, or were identified in interviews or in the records review. Descriptions of adjoining properties are provided below:

- North- undeveloped/wooded, Ferry Road Southeast
- East- NCDOT Fort Fisher Ferry (**Photo 3**)
- South- Cape Fear River
- West- Marina and Residential (**Photos 4 and 5**)

A driving reconnaissance of the immediate area did not identify a gasoline station or a dry cleaning facility within 0.5 mile of the subject property. Groundwater in the area is expected to flow southeast towards the Cape Fear River. No apparent evidence of hazardous substances or petroleum products on nearby properties that may impact the subject property due to migration was observed during the site reconnaissance. Although, two diesel USTs are known to be present at the NCDOT ferry terminal on the northeastern adjacent property and one gasoline UST and one diesel UST are present on the adjacent southern marina property.

5.2.4 *Past Use(s) of Adjoining and Surrounding Properties*

No evidence of past use(s) of adjoining and surrounding properties was observed during the site reconnaissance.

5.2.5 *Geologic, Hydrogeologic, Hydrologic, and Topographic Conditions*

Information pertaining to geologic and hydrogeologic conditions obtained from standard resources is provided in **Section 4.3**. Surface drainage appears to drain towards the southeast towards the Cape Fear River. The Deep Point Ferry Terminal is located in the central portion of the subject property. The Cape Fear River is located southeast of the subject property. Price Creek is located north of the subject property.

5.2.6 *Description of Structures and Roads*

The ferry terminal was constructed in 2009 and consists of two stories with an elevator, a passenger ferry landing and a contractor ferry landing (**Photos 2 and 6**). An upper baggage drop off (**Photos 7 and 8**) and lower level drop off, as well as an electrical and fire suppression system room (**Photo 9**) are also located at the main ferry terminal. Three one-story buildings constructed in 2010 serve as an Information Technology (IT) Building, a

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Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina

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Shipping and Receiving Building, and a Maintenance Building (**Photos 10, 11, 12 and 13**). A building housing equipment for the barge landing hydraulics is located in the southeastern portion of the subject property near the barge landing (**Photo 14**). A storage building is located near the hydraulics building (**Photo 15**). The subject property is improved with three asphalt parking areas (visitors, contractors and employees), and asphalt roads. Wooden docks are located throughout the ferry terminal (**Photo 2**) and the inactive ferry docks near the Maintenance Building. Ferry Road Southeast is located along the northern boundary of the subject property (**Photo 3**). These roads and structures are depicted on **Figures 3A, 3B and 3C in Appendix I**.

5.2.7 Potable Water Supply and Sewage Disposal System

Municipal water and public sewer utilities are served by the City of Southport as noted during the Owner Interview and observed during the site reconnaissance. A sewer lift station operated by the City of Southport is located on site (**Photo 16**) adjacent to the backup generator for the ferry terminal operations (**Photo 17**), and trash compactor (**Photo 18**), north of the Maintenance Building (**Figure 3C in Appendix I**).

5.3 Exterior Observations

The subject site is developed as the Deep Point Ferry Terminal. The ferry terminal contains a ticket area, a café and baggage claim areas (**Photo 7**), a passenger ferry landing (**Photo 6**) and a contractor ferry landing (**Photo 2**). Also present onsite are the IT Building (**Photo 10**), the Shipping and Receiving Building (**Photo 11**), and a Maintenance Building (**Photo 13**). A building housing the hydraulic pumps for the barge landing and a building for the storage of portable generators are located near the barge landing (**Photos 14 and 15**). Parking areas for visitors, contractors and employees are located on the northern portion of the subject property. These areas are shown on **Figures 3A and 3B in Appendix I**.

A spoil basin for dredged material from the Cape Fear River (**Photo 19**) and a stormwater discharge basin for stormwater from the maintenance and shipping and receiving area are located in the eastern portion of the subject property. A sump is located on the western side of the Maintenance Building and treats the ferry bilge oily water (**Photo 20**). This water is then directed to the oil water separator located on the north side of the Maintenance Building (**Photo 21**). Six drums, some empty and some containing petroleum product, were observed near the sump outside the Maintenance Building and on the north side of the Maintenance Building (**Photos 20 and 22**). A 500-gallon diesel backup generator for the ferry terminal is located north of the Maintenance Building (**Photo 17**) and a 250-gallon diesel backup generator for the IT Building is located on the south side of the Shipping and Receiving Building (**Photo 23**). Batteries, propane, and pallets were observed outside of the shipping and receiving center (**Photo 12**). The soils located in an undeveloped area in the northwestern portion of the property had recently been removed and transferred to another parcel owned by Bald Head Island Limited, LLC in Southport. These areas were filled with dredged spoils from the dredge spoil area located to the east of the Shipping and Receiving Building (**Photos 24**). Per an interview with the owner, the previous soil in this area was analyzed and assessed to be free of contaminants was transferred to another parcel owned by Bald Held Island Limited. The dredge spoils were previously analyzed and contained naturally occurring arsenic was transferred from the eastern dredge spoil pile and placed in the excavation where the clean soils were previously located. These areas are shown on **Figures 3A and 3B in Appendix I**.



5.4 Interior Observations

The interior of the ferry terminal was observed with a café, a conveyer belt for baggage movement (**Photo 8**), and elevator mechanics. Inside the Maintenance Building, a 300-gallon AST containing new oil, a mechanical parts washer, six drums containing petroleum, and tools used to repair parts of the ferries were present (**Photos 25, 26 and 27**). A refrigerator/freezer, containers of water, forklifts, propane tanks and supplies used by the ferry terminal were observed inside the Shipping and Receiving Building (**Photo 28**).

5.5 General Property Observations

Findings from the site reconnaissance are summarized in the following table:

Table 5-1 Property Observations

General Property Observations		
Description	Reported or Observed On-site or Adjacent Properties (Y/N)	Comments
Hazardous Substances and Petroleum Products in Connection with Identified Uses	Y	Several tanks and drums containing petroleum products were observed inside and adjacent to the Maintenance Building in tanks, drums and generators (Photos 17, 20, 22, 23, 25, and 26).
Hazardous Substances and Petroleum Products Containers Not in Connection with Identified Uses	N	
Storage Tanks	Y	One 250-gallon used oil AST (Photo 29), one 250-gallon used oil filter AST (Photo 29), one 300-gallon mobile bilge oily water AST (Photo 30), one 500-gallon (Photo 25) and one 250-gallon IT backup generator tank (Photo 23) and 500-gallon ferry terminal backup generator (Photo 17) were observed in the eastern portion of the subject property. On the southern, adjacent property, there is one 12,000-gallon diesel UST and one 8,000-gallon gasoline UST in the parking lot adjacent to the Harbor Master building (Photo 31).
Oil/Water Separators	Y	An oil water separator is present on the north side of the Maintenance Building (Photo 21).
Sumps	N	
Strong, Pungent, or Noxious Odors	N	
Pools of Liquid/Staining	N	
Drums	Y	Eleven drums containing petroleum and ASTS were observed inside and adjacent to the Maintenance Building (Photos 20 and 22). The drums and tanks appeared in good condition with no rusting or evidence of a release. Several propane containers were observed outside the Shipping and Receiving Building.
Unidentified Substance Containers	N	



General Property Observations		
Description	Reported or Observed On-site or Adjacent Properties (Y/N)	Comments
Potential Polychlorinated Biphenyls (PCB)- Containing Equipment	Y	Several pad-mounted transformers were observed throughout the subject property. All of the transformers were observed with a blue label indicating less than 50 parts per billion (ppb) PCB containing material. The transformers appeared in good condition with no leaking, staining or cracks (Photo 10).
Hydraulic Equipment	Y	Hydraulic equipment was observed on the barge landing (Photo 32), for the trash compactor (Photo 18) and for the elevator in the ferry terminal. No evidence of a release from these hydraulic parts was observed.
Contracted Maintenance Services	N	
Utilities and Stormwater Management	Y	Municipal water and sewer system is provided by the City of Southport (Photo 16). A stormwater basin is located in the southeastern portion of the subject property.
Pits, Ponds, Lagoons, and Surface Waters	Y	The Deep Point Ferry Terminal is located in the central portion of the subject property. The Cape Fear River is located southeast of the subject property. Price Creek is located north, northeast of the subject property
Surface Water Discoloration, Sheen or Free Product	N	
Stormwater Retention or Detention Ponds	Y	A stormwater pond is located to the southeast of the Shipping and Receiving Building (Figure 3C in Appendix I).
Stained Soil or Pavement	N	
Stressed Vegetation	N	
Solid Waste	Y	A solid waste dumpster was observed adjacent to the Shipping and Receiving Building in the eastern portion of the subject property. A trash compactor was observed north of the Maintenance Building (Photo 18).
Exterior Dumpsters with Staining	N	
Process/Industrial Wastewater Discharges	N	
Wells/Septic Systems	N	
Drains and Sumps	Y	One sump is located on the western side of the Maintenance Building (Photo 20).



6.0 INTERVIEWS

Copies of the Record of Communications are included in **Appendix VI**.

6.1 Interview with Past and Present Owners

On January 14, 2019, Ms. Claudia Irvin of S&ME met Mr. William (Bill) Mack, Manager of Facilities and Construction with Bald Head Island (BHI) Limited, LLC, the property owner. Mr. Mack gave a background of the property and why the Phase I ESA is being required. The Mitchell Family owns the property through the entity of Bald Head Island Limited. Bald Head Island Limited is a subsidiary to Mitchell Energy Group. Bald Head Island Limited is split into Bald Head Island Shoals Clubs and Bald Head Island Transportation. He believes the property was purchased around 1997 from Pfizer Corporation. The only known prior use was a road to a contractor ferry and barge landings. The start of the ferry terminal construction project was in 2007. It took about one year to clear the property. The ferry terminal was completed in June 2009. Mr. Mack began work for Bald Head Island Limited in 2007.

During the site recon, Mr. Mack explained the following: There are two ferry areas - one for public, the other for contractors. There is a baggage and passenger drop off on the upper level and lower level. Bags dropped at the upper level are transported by conveyor belt to the ferry landing. Upstairs in the Ferry terminal is a cafe, elevator room, offices, outside waiting area for passengers. Downstairs in the ferry terminal is baggage and passenger drop-off, ticket window, and staging area for baggage and loading area for passengers. The ferries are fueled from a tanker truck (INA Oil) every few days from the lower lever. There is no fuel onsite for the ferries.

On the eastern side of the site is a dredge spoil pile from dredge operations in the channel and marina area. This material is currently being moved to the western side of the property where new parking areas will be constructed. The previous soil in this area was analyzed and was free of contaminants and was transferred to another parcel owned by Bald Head Island Limited. The dredge spoils were analyzed in February 2017 and were found to contain arsenic. Therefore, these spoils were transferred from the eastern dredge spoil pile and placed in the excavations where the clean soils were previously located, so that any potentially contaminated soils remained on the subject property. Mr. Mack noted that this area will be paved for additional parking areas. Subsequently, the arsenic found in the spoils were determined to be naturally occurring. A stormwater forebay and pond associated with their NPDES Permit is on the southeastern side of the property. Drainage from the Maintenance and Shipping and Receiving areas flow to this pond. The Shipping and Receiving is for internal use only and was built in 2009. The outside eastern storage area is leased by the Bald Head Island Golf Course. The IT Building is located on the south side of the Shipping and Receiving Building. The backup generator is for IT Building only. The structure near the barge landing is for the hydraulics control for the landing.

The Maintenance Building was built in 2010 and is used to fix parts of ferries (4 ferries and 1 barge presently). A 300-gallon new oil AST is located inside the building as well as a parts washer and 55 gallons drums of oil from oil changes for ferries. The sump in the side storage area is for the water drained from the mobile AST (used to collect bilge slops from ferries). The sump drains to oil water separator on north side of building. The oil water separator flows to the City of Southport sanitary sewer lift station onsite. Also, septage pump out tanks at the end of docks, where ferries are parked, drain to City lift station. The backup generator (500 gallon diesel) and trash



compactor are for use by the ferry terminal operations. The adjacent sanitary sewer lift station is operated by City of Southport.

As for the southern adjacent property, Mr. Mack stated that the Harbor Master building is for use by marina residences for laundry, store and the swimming pool. Two small buildings on east side of Harbor Master Building are used for swimming pool supplies and by the Facilities Maintenance Group, like the electrician. A gas UST (8,000 gallon) and a diesel (12,000 gallon) UST are located in parking lot by the Harbor Master. Two sumps in located parking lot between the USTs and dispensers at the marina dock. Fuel lines runs under walkway to Dock Fueling area. Sumps are located under each of the two dispensers. Lines have leak detection and tanks have tank overfill protection and interstitial monitoring. Mr. Mack said that during construction, a product line was hit in the area of the parking lot by the Harbor Master, but was quickly caught and fuel-contaminated sand was removed from site.

Mr. Mack noted that there were small transformers near all public entrance gates that have pay stations. Mr. Mack was not aware of environmental issues with the subject property, except for the fuel line hit during construction of the southwestern adjacent marina as noted above.

A copy of the record of communication is included in **Appendix VI**.

6.2 Interview with Key Site Manager

The site manager is considered Bald Head Island Limited (See **Section 6.1**).

6.3 Interview with Occupants

The subject property is occupied by customers and employees of the Deep Point Ferry Terminal, owned by Bald Head Island Limited. See **Section 6.1 Owner Interview**. No occupant interviews were conducted.

6.4 Interview with Local Government Officials

On February 1, 2019, Ms. Claudia Irvin of S&ME contacted via telephone Mr. Charles Drew, Fire Chief with the Southport Fire Department regarding fire or hazardous material release responses in connection with the subject property. Mr. Drew stated that the only responses to the subject property have been false alarms associated with the adjacent marina alarms. He stated that no fire or hazardous material responses have been recorded in connection with the subject property. See **Appendix VI** for the full summary of the interview with the Southport Fire Department.

6.5 Interviews with Others

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



7.0 FINDINGS

The results of the Phase I ESA are summarized in the following sections.

7.1 On-Site Findings

1. The subject property identified in the ERNS, SPILLS, NPDES, and ECHO databases.
2. Hydraulic equipment (Barge landing, elevator and trash compactor) was observed in the southeastern portion of the subject property and in the ferry terminal.
3. Four ASTs: one 250-gallon containing used oil, one 300-gallon containing bilge oil, one 250-gallon containing used oil filters, and one 300-gallon containing new oil, are located in the southeastern portion of the subject property, inside and adjacent to the maintenance facility.
4. Two diesel generators were observed in the eastern portion of the subject property.
5. Eleven drums containing petroleum were observed inside and adjacent to the maintenance facility.
6. An oil/water separator is located adjacent to the maintenance building in the southeastern portion of the subject property.
7. Batteries and propane tanks were observed stored inside and adjacent to the shipping and receiving facility in the southeastern portion of the subject property.
8. The dredge spoils were sampled in March 2017, indicating the presence of arsenic above NCDEQ's action levels.
9. An area in the eastern portion of the subject property is being filled with dredge spoils.
10. Two dumpsters were observed: a soil waste dumpster adjacent to the shipping and receiving facility and a trash compactor in the eastern portion of the subject property.
11. One sump is located adjacent to the maintenance facility.

7.2 Off-Site Findings

1. The adjacent marina, Deep Point Marina, and Harbor Master building and facility was identified in the registered UST, SPILLS and ERNS databases.
2. Two USTs containing diesel and gasoline and dispensers for each were observed on the southern adjacent marina property.
3. Four sumps are located on the adjacent marina property: two near the diesel and gasoline USTs, one under the diesel dispenser, and one under the gasoline dispenser.



4. The Southport Ferry – Product Line Leak facility located at 1650 Ferry Road, approximately 27 feet north-northwest of the subject property was identified in the LUST and IMD databases.
5. The Southport Ferry USTs facility located on State Route 1540, approximately 170 feet northeast of the subject property was identified in the LUST and IMD databases.
6. The Scheid Estate facility located at 1040 River Road, approximately 2,370 feet west-southwest of the subject property was identified in the LUST database in the EDR Radius Report.
7. The Pfizer Inc. facility located on Moore Street, approximately 2,572 feet north-northeast of the subject property was identified in the HSDS database in the EDR Radius Report.
8. The Archer Daniels Midland ADM PCB SPI facility was identified in the SEMS-ARCHIVE in the EDR Radius Report. Based on file review, 30 pounds of PCB materials were spilled at the facility in 1992.

8.0 OPINIONS

8.1 On-Site Opinions

1. The subject property identified in the ERNS, SPILLS, NPDES, and ECHO databases **does not represent a recognized environmental condition**, because the spills are reported as minor with clean-up achieved. No LAST or LUST incidents have been recorded with the subject property.
2. The hydraulic equipment was observed in the southeastern portion of the subject property and in the ferry terminal **does not represent a recognized environmental condition**, because no leaks or visual evidence of contamination were observed in connection with the equipment.
3. The four ASTs located in the vicinity of the maintenance building **do not represent a recognized environmental condition**, because no reported incidents or releases have been reported with the tanks. No visual evidence of contamination was observed in the vicinity of the tanks.
4. The two diesel generators were observed in the eastern portion of the subject property **do not represent a recognized environmental condition**, because no reported incidents or releases have been reported with the generators. No visual evidence of contamination was observed in the vicinity of the tanks and they appeared to be in good condition with no rusting or cracks.
5. The eleven drums containing petroleum were observed inside and adjacent to the maintenance facility **do not represent a recognized environmental condition**, because the drums appeared to be in good condition with no rusting, staining, or cracks. No visual evidence of contamination was observed in the vicinity of the drums.



6. The oil/water separator located adjacent to the maintenance building **does not represent a recognized environmental condition**, because no visual evidence of contamination was observed in the vicinity of the oil/water separator and no documentation of a release was identified.
7. The batteries and propane tanks observed adjacent to the shipping and receiving facility **do not represent a recognized environmental condition**, because no visual evidence of contamination is associated with the batteries and propane tanks. The batteries and propane tanks appeared in good condition with no rusting or leaking.
8. The reported concentrations of arsenic in on-site dredge spoils above NCDEQ's action levels **do not represent a recognized environmental condition**, because the spoil sampling program demonstrated that arsenic is naturally occurring, and NCDEQ IHSB issued a letter concurring with this finding.
9. The area being filled with dredge spoils **does not represent a recognized environmental condition**, because the soil is not considered to be contaminated.
10. The two solid waste dumpsters observed **do not represent a recognized environmental condition**, because the dumpsters contained non-hazardous municipal waste and no visual evidence of contamination was observed in connection with the dumpsters.
11. The sump located on the subject property **does not represent a recognized environmental condition**, because no documentation of a release was identified and no evidence of contamination was observed in connection with the sump.

8.2 Off-Site Opinions

1. The southwestern adjacent marina and Harbor Master facility was identified in the SPILLS and UST databases **does not represent a recognized environmental condition**, because the spills are reported as minor with clean-up achieved. No LAST or LUST incidents have been recorded with this adjacent property.
2. The two USTs containing diesel and gasoline and associated underground piping and dispenser are located on the southwestern adjacent property **do represent a recognized environmental condition**. Although there have been no reported incidents or releases from the tanks installed in 2009, UST systems commonly develop leaks and present a material threat of a release of petroleum product to the subject property. The USTs are located near the southeastern subject property boundary and the dispensers are located over the water in the marina.
3. The sumps located on the southern adjacent marina **do not represent a recognized environmental condition**, because no documentation of a release was identified.
4. The Southport Ferry – Product Line Leak facility **does not represent a recognized environmental condition**, because the contamination plume is contained to the extent of the facility and groundwater is



expected to flow north, northeast towards Price Creek. Recent groundwater contamination levels were reported to be below NCAC.02L standards.

5. The Southport Ferry USTs facility **does not represent a recognized environmental condition**, because the incident contains a closed status and groundwater in the vicinity is expected to flow north, northeast towards the Cape Fear River.
6. The Scheid Estate facility **does not represent a recognized environmental condition**, because contamination levels are reported to be below NCAC.02L standards and the incident having a No Further Action status by the NCDEQ.
7. The Pfizer Inc. facility **does not represent a recognized environmental condition**, because Price Creek, northeast of the subject property, acts as a hydraulic barrier to the subject property.
8. The Archer Daniels Midland ADM PCB SPI facility **does not represent a recognized environmental condition**, because Price Creek, northeast of the subject property, acts as a hydraulic barrier to the subject property.

8.3 Data Gaps

The following data gaps were identified:

- The historical use of the subject property was based on information gathered from aerial photographs, historical topographic maps and city directories, Historical aerial photographs were not available in five-year increments.
- Land title and judicial records were not reviewed for environmental liens or activity and use limitations (AULs); however, the Client reported no knowledge of environmental liens or AULs on the User Questionnaire (**Appendix VII**).

These data gaps are not considered significant to our ability to identify recognized environmental conditions in connection with the subject property.



9.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E 1527-13 of the property located at 1301 Ferry Road in Southport, Brunswick County, North Carolina, the subject property. Any exceptions to, or deletions from, this practice are described in **Sections 1.4** and **10** of this report.

This assessment has revealed no evidence of *recognized environmental conditions* or controlled or historical recognized environmental conditions in connection with the subject property, except for the following:

- ◆ Two underground storage tanks and associated underground transfer lines installed in 2009 on the southwestern adjacent marina property, presents a material threat of a release of petroleum product to the soil and groundwater.

10.0 DEVIATIONS

No deviations from the standard were made.

11.0 ADDITIONAL SERVICES

No additional services are being conducted in association with this Phase I Environmental Site Assessment.

12.0 REFERENCES

- Parcel information and obtained from Brunswick County GIS, <http://brunscoco.maps.arcgis.com/apps/webappviewer/index.html?id=6df283e1aa634006baeedf6daac40d38/>
- Southport, NC and Kure Beach, NC North Carolina Quadrangle, U.S. Geological Survey (USGS) 7.5 minute series Topographic Map, dated 2016;
- Aerial photographs obtained from Brunswick County, North Carolina GIS website;
- EDR-Aerial Photo Decade Package, Inquiry Number 4998133.9, dated July 20, 2017;
- EDR-Certified Sanborn® Map Report, Inquiry Number 4998133.3, dated July 19, 2017;
- EDR-City Directory Image Report, Inquiry Number 4998133.5 dated July 21, 2017;
- EDR-Historical Topo Map Report with QuadMatch, Inquiry Number 4998133.4, dated July 19, 2017;
- EDR-Radius Map Report with GeoCheck, Inquiry Number 5524290.2s, dated January 3, 2019;
- ASTM, 2013. ASTM Standards on Environmental Site Assessments for Commercial Real Estate. E 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. American Society for Testing and Materials, Philadelphia, PA;
- 1985 Geologic Map of North Carolina Generalized Geologic Map of North Carolina, 1985. Department of Natural Resources and Community Development, Division of Land Resources; and,
- Soil Survey of Brunswick County, North Carolina, 1984, United States Department of Agriculture Soil Conservation Service and the North Carolina Agricultural Experiment Station.



13.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

"I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312" and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in blue ink, appearing to read 'Claudia B. Irvin', written over a horizontal line.

Claudia B. Irvin, E.I.T.
Environmental Professional

14.0 QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)

S&ME provides a broad range of environmental services, including site assessments for real estate transactions. S&ME has over 1,200 employees located in twenty six offices throughout the southeast. ENR ranked S&ME as one of the 200 largest environmental firms in the country.

Qualifications of the environmental professional who contributed to this Phase I ESA are included in **Appendix VIII**.






Appendix I – Figures

Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\VICINITY.mxd plotted by abentz.01-28-2019



REFERENCE:
 GIS BASE LAYERS WERE OBTAINED FROM 2016 ESRI ARCMAP STREET BASEMAP. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

	Subject Property
	Site Parcel

	VICINITY MAP	SCALE: 1" = 2,000'	FIGURE NO.
	DEEP POINT MARINA PHASE I ESA	DATE: 1-28-19	1
	1301 FERRY ROAD	PROJECT NUMBER	
	SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA	4305-19-003	

Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\USGS.mxd plotted by abenz 01-28-2019



REFERENCE:

GIS BASE LAYERS WERE OBTAINED FROM 2016 KURE BEACH, NC AND SOUTHPORT, NC USGS TOPOGRAPHIC QUADRANGLES, 1:24,000 SCALE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

- Subject Property
- Site Parcel



USGS TOPOGRAPHIC MAP

DEEP POINT MARINA PHASE I ESA
 1301 FERRY ROAD
 SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SCALE:
 1" = 2,000'
 DATE:
 1-28-19
 PROJECT NUMBER
 4305-19-003



FIGURE NO.

2



Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\SITE.mxd plotted by abentz.01-28-2019

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE 2016 NCONEMAP AERIAL ORTHOIMAGERY LAYER AND 2016 BRUNSWICK COUNTY PARCEL SHAPEFILE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

 Subject Property
 Site Parcel



SITE MAP

DEEP POINT MARINA PHASE I ESA
1301 FERRY ROAD
SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SCALE:
1" = 500'
DATE:
1-28-19
PROJECT NUMBER
4305-19-003

FIGURE NO.

3

Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\SITEA.mxd plotted by abentz 01-28-2019



SITE MAP - OVERVIEW

DEEP POINT MARINA PHASE I ESA
1301 FERRY ROAD
SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SCALE:
1" = 300'

DATE:
1-28-19

PROJECT NUMBER
4305-19-003

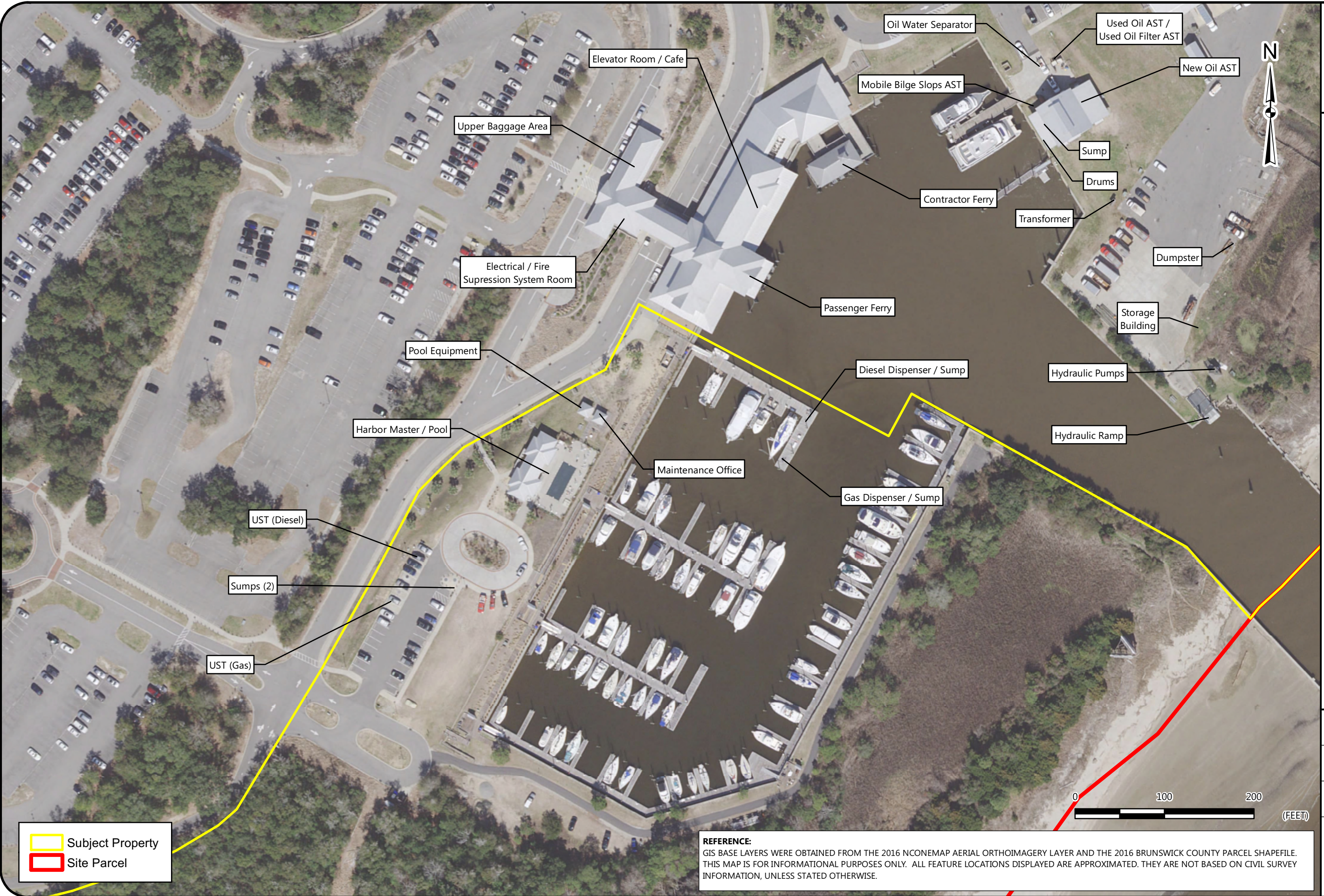
FIGURE NO.

3A

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE 2016 NCONEMAP AERIAL ORTHOIMAGERY LAYER AND THE 2016 BRUNSWICK COUNTY PARCEL SHAPEFILE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

-  Map Extents
-  Subject Property
-  Site Parcel

Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\SITEB.mxd plotted by abentz 01-28-2019



SITE MAP - MARINA AREA

DEEP POINT MARINA PHASE I ESA
1301 FERRY ROAD
SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SCALE:
1" = 100'

DATE:
1-28-19



PROJECT NUMBER
4305-19-003

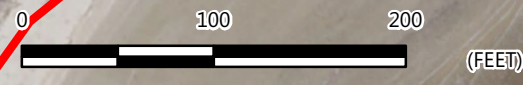
FIGURE NO.

3B

REFERENCE:

GIS BASE LAYERS WERE OBTAINED FROM THE 2016 NCONEMAP AERIAL ORTHOIMAGERY LAYER AND THE 2016 BRUNSWICK COUNTY PARCEL SHAPEFILE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.

 Subject Property
 Site Parcel



Drawing Path: T:\Projects\2019\ENV\4305-19-003 Deep Point Marina Phase I ESA\GIS\SITEC.mxd plotted by abentz 01-28-2019



SITE MAP - EASTERN SITE

DEEP POINT MARINA PHASE I ESA
1301 FERRY ROAD
SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SCALE:
1" = 100'

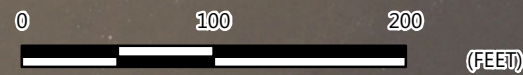
DATE:
1-28-19



PROJECT NUMBER
4305-19-003

FIGURE NO.

3C

REFERENCE:
GIS BASE LAYERS WERE OBTAINED FROM THE 2016 NCONEMAP AERIAL ORTHOIMAGERY LAYER AND THE 2016 BRUNSWICK COUNTY PARCEL SHAPEFILE. THIS MAP IS FOR INFORMATIONAL PURPOSES ONLY. ALL FEATURE LOCATIONS DISPLAYED ARE APPROXIMATED. THEY ARE NOT BASED ON CIVIL SURVEY INFORMATION, UNLESS STATED OTHERWISE.



 Subject Property
 Site Parcel

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix II – EDR Radius Map

Deep Point Marina

1301 Ferry Road
Southport, NC 28461

Inquiry Number: 5524290.2s

January 03, 2019

The EDR Radius Map™ Report



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

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Orphan Summary	86
Zip Scan Report	ZIP-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1301 FERRY ROAD
SOUTHPORT, NC 28461

COORDINATES

Latitude (North): 33.9309830 - 33° 55' 51.53"
Longitude (West): 77.9974510 - 77° 59' 50.82"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 222914.0
UTM Y (Meters): 3758357.2
Elevation: 19 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5945905 KURE BEACH, NC
Version Date: 2013

West Map: 5946121 SOUTHPORT, NC
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140523
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 1301 FERRY ROAD
 SOUTHPORT, NC 28461

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		1301 FERRY RD	ERNS		TP
A2		1301 FERRY RD	ERNS		TP
A3	DEEP POINT MARINA/BA	1301 FERRY RD	NPDES		TP
A4		1301 FERRY RD. DEEP	SPILLS		TP
A5		1301 FERRY RD	SPILLS		TP
A6		1301 FERRY RD	ERNS		TP
A7		1301 FERRY RD	ERNS		TP
A8		1301 FERRY ROAD	ERNS		TP
A9		1301 FERRY RD	ERNS		TP
A10		1301 FERRY RD SE	ERNS		TP
A11		1301 FERRY ROAD	ERNS		TP
A12		1301 FERRY RD	ERNS		TP
A13	DEEP POINT MARINA	1301 FERRY ROAD	UST		TP
A14	DEEP POINT MARINA/BA	1301 FERRY RD	FINDS, ECHO		TP
A15		1301 FERRY RD	ERNS		TP
A16		1301 FERRY RD	ERNS		TP
A17		1301 FERRY RD	ERNS		TP
A18		1301 FERRY ROAD	ERNS		TP
A19		1301 FERRY RD.	ERNS		TP
A20		1301 FERRY RD	ERNS		TP
Reg	PFIZER INC		NC HSDS	Same	2569, 0.487, NNE
B21	SOUTHPORT FERRY OPER	PO BOX 10028 - HWY 2	UST	Lower	417, 0.079, NE
B22	SOUTHPORT FERRY USTS	SR 1540	LUST, IMD	Lower	485, 0.092, NE
B23	SOUTHPORT FERRY - PR	1650 FERRY RD	LUST, IMD	Lower	565, 0.107, NE
24	SCHEID ESTATE	1040 RIVER ROAD	LUST	Higher	2367, 0.448, WSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
1301 FERRY RD 1301 FERRY RD SOUTH PORT, NC 28461	ERNS NRC Report #: 1102937	N/A
1301 FERRY RD 1301 FERRY RD SOUTH PORT, NC 28461	ERNS NRC Report #: 1164257	N/A
DEEP POINT MARINA/BA 1301 FERRY RD SOUTHPORT, NC 28461	NPDES Permit Number: NCG190084 Permit Number: SW8951012	N/A
1301 FERRY RD. DEEP 1301 FERRY RD. DEEP BRUNSWICK (County), NC	SPILLS Incident Num: 201401451	N/A
1301 FERRY RD 1301 FERRY RD BRUNSWICK (County), NC	SPILLS Incident Num: 201401467	N/A
1301 FERRY RD 1301 FERRY RD SOUTH PORT, NC 28461	ERNS NRC Report #: 1214959	N/A
1301 FERRY RD 1301 FERRY RD SOUTH PORT, NC 28461	ERNS NRC Report #: 1093538	N/A
1301 FERRY ROAD 1301 FERRY ROAD SOUTHPORT, NC	ERNS NRC Report #: 1219909	N/A
1301 FERRY RD 1301 FERRY RD SOUTH PORT, NC 28461	ERNS NRC Report #: 1204061	N/A
1301 FERRY RD SE 1301 FERRY RD SE SOUTHPORT, NC	ERNS	N/A

EXECUTIVE SUMMARY

NRC Report #: 1180770

1301 FERRY ROAD
1301 FERRY ROAD
SOUTHPORT, NC

ERNS
NRC Report #: 1068790

N/A

1301 FERRY RD
1301 FERRY RD
SOUTH PORT, NC 28461

ERNS
NRC Report #: 1093234

N/A

DEEP POINT MARINA
1301 FERRY ROAD
SOUTHPORT, NC 28461

UST
Tank Status: Current
Facility Id: 00-0-0000037034

N/A

DEEP POINT MARINA/BA
1301 FERRY RD
SOUTHPORT, NC 28461

FINDS
Registry ID:: 110037513839
ECHO
Registry ID: 110037513839

N/A

1301 FERRY RD
1301 FERRY RD
SOUTH PORT, NC 28461

ERNS
NRC Report #: 1138167

N/A

1301 FERRY RD
1301 FERRY RD
SOUTH PORT, NC 28461

ERNS
NRC Report #: 1135747

N/A

1301 FERRY RD
1301 FERRY RD
SOUTH PORT, NC 28461

ERNS
NRC Report #: 989458

N/A

1301 FERRY ROAD
1301 FERRY ROAD
SOUTH FORT, NC

ERNS
NRC Report #: 1024841

N/A

1301 FERRY RD.
1301 FERRY RD.
SOUTH PORT, NC 28461

ERNS
NRC Report #: 1092022

N/A

1301 FERRY RD
1301 FERRY RD
SOUTH PORT, NC

ERNS

N/A

EXECUTIVE SUMMARY

NRC Report #: 1082607

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

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

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

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
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

State- and tribal - equivalent CERCLIS

SHWS..... Inactive Hazardous Sites Inventory

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

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

OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tanks

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

LUST TRUST..... State Trust Fund Database

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

AST..... AST Database

INDIAN UST..... Underground Storage Tanks on Indian Land

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

SWRCY..... Recycling Center Listing

HIST LF..... Solid Waste Facility Listing

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

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS 90..... SPILLS 90 data from FirstSearch

SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

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

FUDS..... Formerly Used Defense Sites

DOD..... Department of Defense Sites

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION..... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS..... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems

ROD..... Records Of Decision

RMP..... Risk Management Plans

RAATS..... RCRA Administrative Action Tracking System

PRP..... Potentially Responsible Parties

PADS..... PCB Activity Database System

ICIS..... Integrated Compliance Information System

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

MLTS..... Material Licensing Tracking System

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER..... PCB Transformer Registration Database

RADINFO..... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File

ABANDONED MINES..... Abandoned Mines

DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO..... Unexploded Ordnance Sites

FUELS PROGRAM..... EPA Fuels Program Registered Listing

AIRS..... Air Quality Permit Listing

ASBESTOS..... ASBESTOS

COAL ASH..... Coal Ash Disposal Sites

DRYCLEANERS..... Drycleaning Sites

Financial Assurance..... Financial Assurance Information Listing

EXECUTIVE SUMMARY

UIC..... Underground Injection Wells Listing
AOP..... Animal Operation Permits Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent NPL

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
	PFIZER INC	NNE 1/4 - 1/2 (0.487 mi.)	0	76

EXECUTIVE SUMMARY

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 11/02/2018 has revealed that there are 3 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>
SCHEID ESTATE Incident Phase: Closed Out Incident Number: 32381 Current Status: File Located in Archives	1040 RIVER ROAD	WSW 1/4 - 1/2 (0.448 mi.)	24	84
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SOUTHPORT FERRY USTS</i> Incident Phase: Closed Out Incident Number: 17758 Current Status: File Located in Archives	<i>SR 1540</i>	<i>NE 0 - 1/8 (0.092 mi.)</i>	<i>B22</i>	<i>78</i>
<i>SOUTHPORT FERRY - PR</i> Incident Phase: Closed Out Incident Number: 32232 Current Status: File Located in House	<i>1650 FERRY RD</i>	<i>NE 0 - 1/8 (0.107 mi.)</i>	<i>B23</i>	<i>81</i>

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 11/02/2018 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOUTHPORT FERRY OPER Tank Status: Removed Tank Status: Current Facility Id: 00-0-0000025551	PO BOX 10028 - HWY 2	NE 0 - 1/8 (0.079 mi.)	B21	76

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 2 IMD

EXECUTIVE SUMMARY

sites within approximately 0.5 miles of the target property.

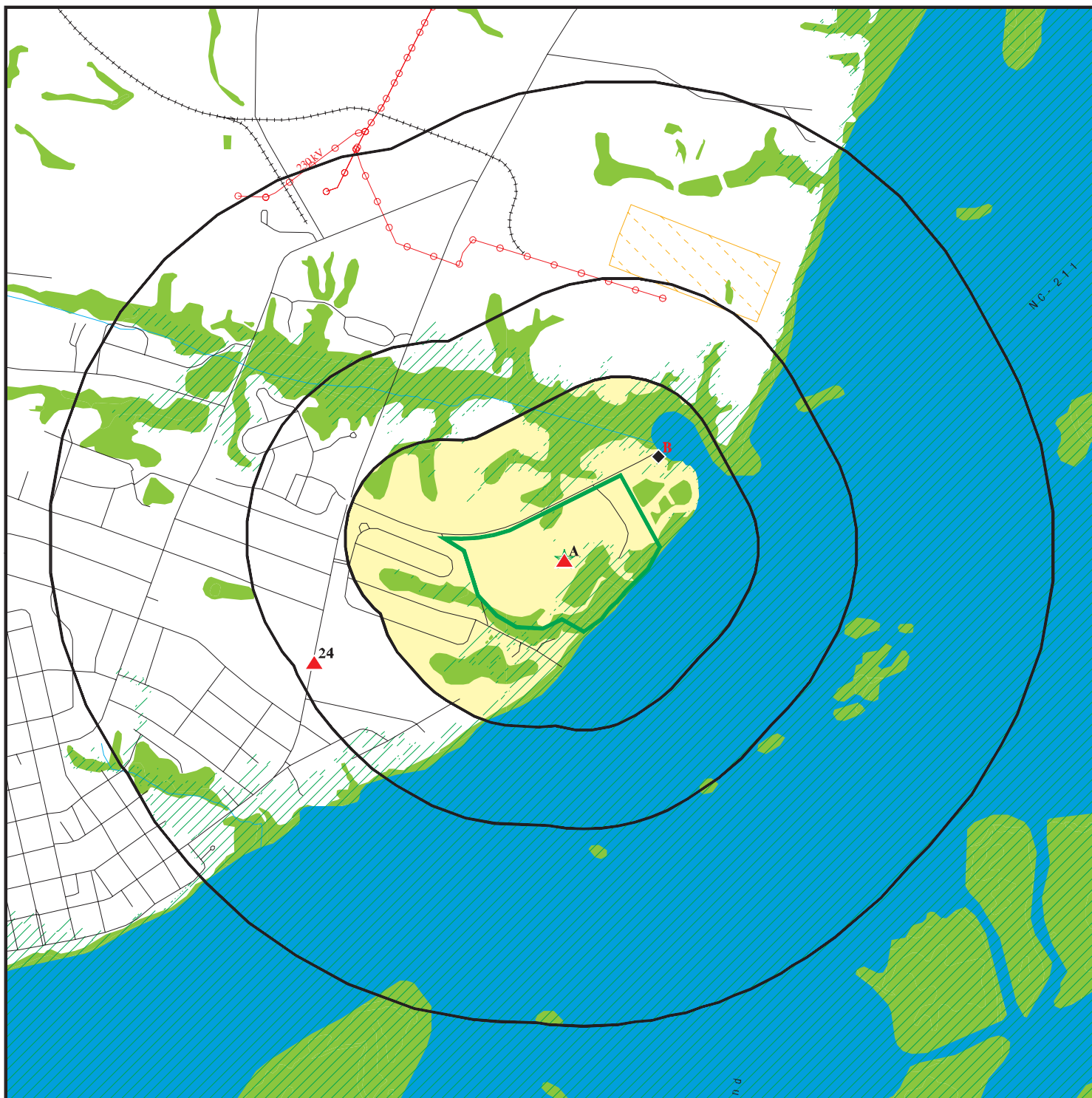
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOUTHPORT FERRY USTS Facility Id: 17758	SR 1540	NE 0 - 1/8 (0.092 mi.)	B22	78
SOUTHPORT FERRY - PR Facility Id: 32232	1650 FERRY RD	NE 0 - 1/8 (0.107 mi.)	B23	81

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

<u>Site Name</u>	<u>Database(s)</u>
YAUPON EXXON	LAST
ARCHER DANIELS MIDLAND ADM PCB SPI	SEMS-ARCHIVE

OVERVIEW MAP - 5524290.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

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: Deep Point Marina
 ADDRESS: 1301 Ferry Road
 Southport NC 28461
 LAT/LONG: 33.930983 / 77.997451

CLIENT: S&ME
 CONTACT: Claudia Irvin
 INQUIRY #: 5524290.2s
 DATE: January 03, 2019 1:51 pm

DETAIL MAP - 5524290.2S



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

-  Indian Reservations BIA
-  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: Deep Point Marina
 ADDRESS: 1301 Ferry Road
 Southport NC 28461
 LAT/LONG: 33.930983 / 77.997451

CLIENT: S&ME
 CONTACT: Claudia Irvin
 INQUIRY #: 5524290.2s
 DATE: January 03, 2019 1:54 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>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	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	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		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP	15	NR	NR	NR	NR	NR	15
<i>State- and tribal - equivalent NPL</i>								
NC HSDS	1.000		0	0	1	0	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		2	0	1	NR	NR	3

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
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250	1	1	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN 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								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP	2	NR	NR	NR	NR	NR	2
IMD	0.500		2	0	0	NR	NR	2
SPILLS 90	TP		NR	NR	NR	NR	NR	0
SPILLS 80	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		21	5	0	2	0	0	28

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 1301 FERRY RD
Property SOUTH PORT, NC 28461

ERNS 2014102937
N/A

Site 1 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1102937
Description of Incident: CALLER STATED THAT THEY DISCOVERED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE IN THE WATER.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2014-12-08 15:00:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1102937
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014102937

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014102937

Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1102937
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: NONE
Medium Desc: WATER
Additional Medium Info: / CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: ATLANTIC OCEAN
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: Not reported
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: PARTLY CLOUDY
Air Temperature: 56
Wind Speed: 10
Wind Direction: Not reported
Water Supply Contaminated: N
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: DIESEL
Wave Condition: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014102937

Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: MPH
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 15
Sheen Size Length Units: FEET
Sheen Size Width: 80
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1102937
Site ID: 20141102937
Date Time Received: 2014-12-08 16:27:00
Date Time Complete: 2014-12-08 16:29:14
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:

NRC Report #: 1102937
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A2
Target 1301 FERRY RD
Property SOUTH PORT, NC 28461

ERNS 2016164257
N/A

Site 2 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1164257
Description of Incident: CALLER IS REPORTING AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2016-11-16 10:40:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1164257
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016164257

Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016164257

Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:
NRC Report #: 1164257
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: CAPE FEAR
Body of Water: CAPE FEAR
Tributary of: Not reported
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: NONE
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: UNKNOWN
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: Not reported
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016164257

Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported
Sheen Size Units:	Not reported
Additional Info:	CALLER STATED THEY DONT BELIEVE THE SHEEN IS FUEL, BUT REQUEST AN AGENCY RESPONSE AS THERE HAVE BEEN MULTIPLE COMPLAINTS ABOUT THE SHEEN.
State Agency Notified:	Not reported
Federal Agency Notified:	Not reported
nearest River Mile Marker:	Not reported
Sheen Size Length:	Not reported
Sheen Size Length Units:	Not reported
Sheen Size Width:	Not reported
Sheen Size Width Units:	Not reported
Offshore:	N
Duration Unit:	Not reported
Release Rate Unit:	Not reported
Release Rate Rate:	Not reported
Passengers Transferred:	NO

Calls:

NRC Report #:	1164257
Site ID:	20161164257
Date Time Received:	2016-11-16 10:59:18
Date Time Complete:	2016-11-16 11:02:34
Call Type:	INC
Responsible Company:	Not reported
Responsible Org Type:	UNKNOWN
Responsible City:	Not reported
Responsible State:	XX
Responsible Zip:	Not reported
On Behalf:	Not reported
Source:	TELEPHONE

Material Involved:

NRC Report #:	1164257
Chris Code:	OUN
Case Number:	000000-00-0
UN Number:	Not reported
Amount of Material:	0
Unit of Measure:	UNKNOWN AMOUNT
Name of Material:	UNKNOWN OIL
If Reached Water:	YES
Amount in Water:	0
Unit of Measure Reach Water:	UNKNOWN AMOUNT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A3 DEEP POINT MARINA/BALD ISLAND FERRY -SOUTHPORT
Target 1301 FERRY RD
Property SOUTHPORT, NC 28461

NPDES S117918457
N/A

Site 3 of 20 in cluster A

Actual:
19 ft.

NPDES:
Permit Number: NCG190084
Permit Status: Active
Permit Type: Ship and Boat Building Stormwater Discharge COC
Issue Date: Not reported
Region: Wilmington
Owner Name: Bald Head Island Limited LLC
Class: Not reported
Applied: Not reported
Drafted: Not reported
Expires: 05/31/2020
Subbasin: Not reported
Receiving Stream: Not reported
Comments: Not reported
As-Built Flow (GPD): Not reported
Domestic %: Not reported
Industrial %: Not reported
stormwtr %: Not reported
Permitted Flow (GPD): Not reported
Program Category: Not reported
Project Type: Not reported
Is Major Permit: Not reported
Date Assigned: Not reported
Organization Name: Not reported
Outfall: Not reported
Discharge Via: Not reported
Stream Classification: Not reported
Regulated Activity: Not reported
Owner Type: Non-Government
Effective Date: 06/02/2015
Basin Name: Cape Fear

Permit Number: SW8951012
Permit Status: Active
Permit Type: State Stormwater
Issue Date: 04/24/1996
Region: Wilmington
Owner Name: Not reported
Class: Not reported
Applied: Not reported
Drafted: Not reported
Expires: 02/15/2021
Subbasin: Not reported
Receiving Stream: Not reported
Comments: Not reported
As-Built Flow (GPD): Not reported
Domestic %: Not reported
Industrial %: Not reported
stormwtr %: Not reported
Permitted Flow (GPD): Not reported
Program Category: Not reported
Project Type: Not reported
Is Major Permit: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

DEEP POINT MARINA/BALD ISLAND FERRY -SOUTHPORT (Continued)

S117918457

Date Assigned: Not reported
 Organization Name: Not reported
 Outfall: Not reported
 Discharge Via: Not reported
 Stream Classification: Not reported
 Regulated Activity: State Stormwater - HD - Detention Pond
 Owner Type: Not reported
 Effective Date: 05/18/2017
 Basin Name: Cape Fear

Permit Number: SW8951012
 Permit Status: Active
 Permit Type: State Stormwater
 Issue Date: 04/24/1996
 Region: Wilmington
 Owner Name: Not reported
 Class: Not reported
 Applied: Not reported
 Drafted: Not reported
 Expires: 02/15/2021
 Subbasin: Not reported
 Receiving Stream: Not reported
 Comments: Not reported
 As-Built Flow (GPD): Not reported
 Domestic %: Not reported
 Industrial %: Not reported
 stormwtr %: Not reported
 Permitted Flow (GPD): Not reported
 Program Category: Not reported
 Project Type: Not reported
 Is Major Permit: Not reported
 Date Assigned: Not reported
 Organization Name: Not reported
 Outfall: Not reported
 Discharge Via: Not reported
 Stream Classification: Not reported
 Regulated Activity: State Stormwater - Infiltration System
 Owner Type: Not reported
 Effective Date: 05/18/2017
 Basin Name: Cape Fear

A4

Target Property 1301 FERRY RD. DEEP POINT MARINA
 BRUNSWICK (County), NC

SPILLS S117055841
 N/A

Site 4 of 20 in cluster A

Actual:
19 ft.

SPILLS:
 Incident Num: 201401451
 Permit Num: Not reported
 Region: Wilmington
 Type: Spill (Oil, Chemical, non-sewage)
 Report Type: Incident
 Start Date: 08/23/2014
 Owner: Not reported
 Cause/Observation Of The Incident: NRC forwarded a report of an unknown amount of diesel fuel and motor oil discharged from a boat at Deep Point Marina due to the bilge pump activating.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S117055841

Action Taken: Booms and absorbents were applied.
Comments/Findings: Not reported
Total Vol: Not reported
Vol Reached Water: Not reported
RO Contact: Not reported
Violation Action: Not reported
NOV Num: Not reported
NOV Sent Date: Not reported
Enforcement Case Num: Not reported
Enforcement Case Initiated Date: Not reported
Incident Latitude: Not reported
Incident Longitude: Not reported

A5
Target
Property

1301 FERRY RD
BRUNSWICK (County), NC

SPILLS S117055857
N/A

Site 5 of 20 in cluster A

Actual:
19 ft.

SPILLS:
Incident Num: 201401467
Permit Num: Not reported
Region: Wilmington
Type: Spill (Oil, Chemical, non-sewage)
Report Type: Incident
Start Date: 08/26/2014
Owner: Not reported
Cause/Observation Of The Incident: NRC forwarded a report of release of two gallons of diesel oil from a vessel into the Cape Fear River due to bilge pump activation. No fish kill was reported.
Action Taken: Clean up operations were conducted. No state resources were requested.
Comments/Findings: Not reported
Total Vol: Not reported
Vol Reached Water: Not reported
RO Contact: Not reported
Violation Action: Not reported
NOV Num: Not reported
NOV Sent Date: Not reported
Enforcement Case Num: Not reported
Enforcement Case Initiated Date: Not reported
Incident Latitude: Not reported
Incident Longitude: Not reported

A6
Target
Property

1301 FERRY RD
SOUTH PORT, NC 28461

ERNS 2018214959
N/A

Site 6 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1214959
Description of Incident: CALLER IS REPORTING A SUNKEN VESSEL WITH A DISCHARGE OF MOTOR OIL.
Type of Incident: VESSEL
Incident Cause: VESSEL SINKING
Incident Date Time: 2018-06-10 22:30:00
Incident DTG: OCCURRED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018214959

Incident Location: Not reported
Location Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:

NRC Report #: 1214959
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported
Brake Failure: U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018214959

Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1214959
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018214959

Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	Not reported
Release Secured:	N
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS AND ABSORBENT DEPLOYED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	UNKNOWN
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	DARK BLACK
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018214959

Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 5
Sheen Size Length Units: FEET
Sheen Size Width: 5
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1214959
Site ID: 20181214959
Date Time Received: 2018-06-11 14:38:06
Date Time Complete: 2018-06-11 14:40:57
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20181214959
Vessel Name: NO NAME
Vessel Type: PLEASURE CRAFT
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1214959
Chris Code: OMT
Case Number: 000000-00-0
UN Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018214959

Amount of Material: 2
Unit of Measure: QUART(S)
Name of Material: OIL, MISC: MOTOR
If Reached Water: YES
Amount in Water: 2
Unit of Measure Reach Water: QUART(S)

A7

Target
Property

1301 FERRY RD
SOUTH PORT, NC 28461

ERNS 2014093538
N/A

Site 7 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1093538
Description of Incident: CALLER STATED THAT A VESSEL IN THE MARINA RELEASED APPROXIMATELY TWO GALLONS OF DIESEL AND WATER MIXTURE AFTER THE BILGE PUMP WAS ACTIVATED.
Type of Incident: VESSEL
Incident Cause: OTHER
Incident Date Time: 2014-08-26 18:00:00
Incident DTG: OCCURRED
Incident Location: Not reported
Location Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N
Incidents:
NRC Report #: 1093538
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093538

Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported
Brake Failure: U
Description of Tank: Not reported
Tank Above Ground: ABOVE
Transportable Container: U
Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OCSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: B
Berth Slip Number: 11
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: U
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093538

FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1093538
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: / CAPE FEAR
Body of Water: CAPE FEAR RIVER
Tributary of: ATLANTIC OCEAN
Release Secured: Y
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: THE CALLER STATED THAT THE MECHANIC ON THE VESSEL USED DAWN DISH SOAP ON THE SHEEN.
State Agency on Scene: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093538

State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: UNKNOWN
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 75
Sheen Size Length Units: FEET
Sheen Size Width: 3
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1093538
Site ID: 20141093538
Date Time Received: 2014-08-26 18:18:58
Date Time Complete: 2014-08-26 18:24:41
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: PRIVATE CITIZEN
Responsible City: Not reported
Responsible State: NC
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

2014093538

Site ID: 20141093538
 Vessel Name: UNICORN
 Vessel Type: PLEASURE CRAFT
 Vessel Number: Not reported
 Vessel Length: Not reported
 Hull Construction: Not reported
 Fuel Capacity: Not reported
 Fuel on Board: Not reported
 Cargo Capacity: Not reported
 Cargo on Board: Not reported
 Is Vessel Aground: N
 Flag: Not reported
 Breadth: Not reported
 Draught: Not reported
 Fuel Capacity Units: Not reported
 Fuel on Board Units: Not reported
 Cargo Capacity Units: Not reported
 Cargo on Board Units: Not reported

Material Involved:
 NRC Report #: 1093538
 Chris Code: ODS
 Case Number: 000000-00-0
 UN Number: Not reported
 Amount of Material: 2
 Unit of Measure: GALLON(S)
 Name of Material: OIL: DIESEL AND WATER MIXTURE
 If Reached Water: YES
 Amount in Water: 2
 Unit of Measure Reach Water: GALLON(S)

**A8
 Target
 Property**

**1301 FERRY ROAD
 SOUTHPORT, NC**

**ERNS 2018219909
 N/A**

Site 8 of 20 in cluster A

**Actual:
 19 ft.**

Incident Commons:
 NRC Report #: 1219909
 Description of Incident: CALLER STATED THAT A TRACTOR TRAILER TRUCK ROLLED FORWARD ON A BARGE THAT WAS UNDERWAY AND THE FRONT OF THE CAB AND MOTOR BECAME SUBMERGED AND RELEASED AN UNKNOWN OIL AT DEEP POINT MARINA IN THE CAPE FEAR RIVER. CAUSE OF THE TRACTOR TRAILER ROLLING IS NOT KNOWN AT THIS TIME. TRUCK IS OWNED BY NASH FISH.
 Type of Incident: VESSEL
 Incident Cause: UNKNOWN
 Incident Date Time: 2018-07-30 11:30:00
 Incident DTG: OCCURRED
 Incident Location: Not reported
 Location Address: 1301 FERRY ROAD
 Location Street 1: Not reported
 Location Street 2: Not reported
 Location Nearest City: SOUTHPORT
 Location State: NC
 Location County: BRUNSWICK
 Location Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018219909

Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N
Incidents:	
NRC Report #:	1219909
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018219909

Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OOSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX
Incident Details:	
NRC Report #:	1219909
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N
Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018219909

Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: DEEP POINT MARINA
Body of Water: DEEP POINT MARINA
Tributary of: CAPE FEAR RIVER
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: BOOMS APPLIED, CRANE AND DIVERS ARE EN ROUTE TO TRY AND PUT THE TRUCK BACK ON THE BARGE

State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: Not reported
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: Not reported
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: USCG
nearest River Mile Marker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018219909

Sheen Size Length: 20
Sheen Size Length Units: FEET
Sheen Size Width: 10
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1219909
Site ID: 20181219909
Date Time Received: 2018-07-30 12:06:33
Date Time Complete: 2018-07-30 12:18:44
Call Type: INC
Responsible Company: BALD HEAD ISLAND LIMITED LLC
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: BALD HEAD ISLAND
Responsible State: NC
Responsible Zip: 28461
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:
Site ID: 20181219909
Vessel Name: USS BRANDON RANDALL
Vessel Type: BARGE
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1219909
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A9
Target 1301 FERRY RD
Property SOUTH PORT, NC 28461

ERNS 2018204061
N/A

Site 9 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1204061
Description of Incident: CALLER REPORTED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2018-02-10 16:30:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1204061
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018204061

Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported
Brake Failure: U
Description of Tank: Not reported
Tank Above Ground: ABOVE
Transportable Container: U
Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OCSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: Not reported
Berth Slip Number: Not reported
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: U
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018204061

Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1204061
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: Not reported
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: BOOMS APPLIED
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: PARTLY CLOUDY
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2018204061

Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track CLosure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 300
Sheen Size Length Units: FEET
Sheen Size Width: 150
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1204061
Site ID: 20181204061
Date Time Received: 2018-02-10 17:01:18
Date Time Complete: 2018-02-10 17:02:54
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:

NRC Report #: 1204061
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A10
Target
Property

1301 FERRY RD SE
SOUTHPORT, NC

ERNS 2017180770
N/A

Site 10 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1180770
Description of Incident: CALLER IS REPORTING THAT WHILE PUMPING WATER OUT OF THEIR BILGE THERE WAS A VISIBLE SHEEN NOTICED AROUND THE OVERBOARD DISCHARGE. IT APPEARS THAT A SIGHT GLASS ON THE PORT TANK FAILED RESULTING IN DIESEL TO SPILL INTO THE BILGE AND PUMP OVERBOARD WHEN TH
Type of Incident: VESSEL
Incident Cause: OPERATOR ERROR
Incident Date Time: 2017-06-10 10:00:00
Incident DTG: OCCURRED
Incident Location: DEEP POINT MARINA
Loaction Address: 1301 FERRY RD SE
Location Street 1: SLIP B-16
Location Street 2: Not reported
Location Nearest City: SOUTHPORT
Location State: NC
Location County: BRUNSWICK
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N
Incidents:
NRC Report #: 1180770
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2017180770

Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2017180770

Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1180770
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: DIESEL DISCHARGE INTO CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: ATLANTIC OCEAN
Release Secured: Y
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: SECURED BILGE PUMP & ISOLATED SIGHT GLASS.
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: Not reported
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2017180770

Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: Not reported
Sheen Size Length Units: Not reported
Sheen Size Width: Not reported
Sheen Size Width Units: Not reported
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1180770
Site ID: 20171180770
Date Time Received: 2017-06-10 10:49:07
Date Time Complete: 2017-06-10 10:58:00
Call Type: INC
Responsible Company: M/V SEA NEST
Responsible Org Type: PRIVATE CITIZEN
Responsible City: SOUTHPORT
Responsible State: NC
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20171180770
Vessel Name: SEA NEST
Vessel Type: PLEASURE CRAFT
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

2017180770

Is Vessel Aground: N
 Flag: Not reported
 Breadth: Not reported
 Draught: Not reported
 Fuel Capacity Units: Not reported
 Fuel on Board Units: Not reported
 Cargo Capacity Units: Not reported
 Cargo on Board Units: Not reported

Material Involved:
 NRC Report #: 1180770
 Chris Code: ODS
 Case Number: 000000-00-0
 UN Number: Not reported
 Amount of Material: 0
 Unit of Measure: UNKNOWN AMOUNT
 Name of Material: OIL: DIESEL
 If Reached Water: YES
 Amount in Water: 0
 Unit of Measure Reach Water: UNKNOWN AMOUNT

**A11
 Target
 Property**

**1301 FERRY ROAD
 SOUTHPORT, NC**

**ERNS 2013068790
 N/A**

Site 11 of 20 in cluster A

**Actual:
 19 ft.**

Incident Commons:
 NRC Report #: 1068790
 Description of Incident: CALLER IS REPORTING A VESSEL GROUNDING. IT IS NOT CONFIRMED THAT ANY THING LEAKED OUT OF THE BOAT. 1375 GALLONS OF DIESEL FUEL IS ON BOARD. NO REPORT OF ANY FUEL GETTING INTO THE WATER AT THIS TIME.

Type of Incident: VESSEL
 Incident Cause: UNKNOWN
 Incident Date Time: 2013-12-17 09:15:00
 Incident DTG: OCCURRED
 Incident Location: Not reported
 Location Address: 1301 FERRY ROAD
 Location Street 1: Not reported
 Location Street 2: Not reported
 Location Nearest City: SOUTHPORT
 Location State: NC
 Location County: BRUNSWICK
 Location Zip: Not reported
 Distance From City: Not reported
 Distance Units: Not reported
 Direction From City: Not reported
 Lat Deg: Not reported
 Lat Min: Not reported
 Lat Sec: Not reported
 Lat Quad: Not reported
 Long Deg: Not reported
 Long Min: Not reported
 Long Sec: Not reported
 Long Quad: Not reported
 Location Section: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2013068790

Location Township:	Not reported
Location range:	Not reported
Potential Range:	Y
Incidents:	
NRC Report #:	1068790
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2013068790

Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: U
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1068790
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: U
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2013068790

Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: UNKNOWN
Additional Medium Info: GROUNDING
Body of Water: Not reported
Tributary of: Not reported
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: Not reported
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: UNKNOWN
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: Not reported
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: USCG
nearest River Mile Marker: Not reported
Sheen Size Length: Not reported
Sheen Size Length Units: Not reported
Sheen Size Width: Not reported
Sheen Size Width Units: Not reported
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1068790
Site ID: 20131068790

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2013068790

Date Time Received: 2013-12-17 13:34:24
Date Time Complete: 2013-12-17 13:44:51
Call Type: INC
Responsible Company: BALDHEAD ISLAND TRANSPORTATION
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: SOUTHPORT
Responsible State: NC
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20131068790
Vessel Name: ADVENTURE
Vessel Type: FERRY
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: 1600
Fuel on Board: 1375
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: Y
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: GALLON(S)
Fuel on Board Units: GALLON(S)
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1068790
Chris Code: ODS
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 1375
Unit of Measure: GALLON(S)
Name of Material: OIL: DIESEL
If Reached Water: UNKNOWN
Amount in Water: 1375
Unit of Measure Reach Water: GALLON(S)

A12
Target
Property

1301 FERRY RD
SOUTH PORT, NC 28461

ERNS 2014093234
N/A

Site 12 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1093234
Description of Incident: CALLER IS REPORTING A DISCHARGE OF DIESEL FUEL AND MOTOR OIL FROM A BOAT AT A MARINA, THE CAUSE WAS DUE TO THE BILGE PUMP ACTIVATING.
Type of Incident: VESSEL
Incident Cause: OTHER
Incident Date Time: 2014-08-23 15:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093234

Incident DTG:	OCCURRED
Incident Location:	Not reported
Location Address:	1301 FERRY RD
Location Street 1:	Not reported
Location Street 2:	Not reported
Location Nearest City:	SOUTH PORT
Location State:	NC
Location County:	BRUNSWICK
Location Zip:	28461
Distance From City:	Not reported
Distance Units:	Not reported
Direction From City:	Not reported
Lat Deg:	Not reported
Lat Min:	Not reported
Lat Sec:	Not reported
Lat Quad:	Not reported
Long Deg:	Not reported
Long Min:	Not reported
Long Sec:	Not reported
Long Quad:	Not reported
Location Section:	Not reported
Location Township:	Not reported
Location range:	Not reported
Potential Range:	N
Incidents:	
NRC Report #:	1093234
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093234

Brake Failure: U
Description of Tank: Not reported
Tank Above Ground: ABOVE
Transportable Container: U
Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OCSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: Not reported
Berth Slip Number: B-11
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: N
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1093234
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093234

Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	ICW
Body of Water:	ICW
Tributary of:	CAPE FEAR RIVER
Release Secured:	N
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS APPLIED, ABSORBENTS APPLIED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	RAINY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	MOTOR OIL AND DIESEL FUEL
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093234

Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 80
Sheen Size Length Units: FEET
Sheen Size Width: 40
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1093234
Site ID: 20141093234
Date Time Received: 2014-08-23 17:31:40
Date Time Complete: 2014-08-23 17:37:21
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20141093234
Vessel Name: UNICORN
Vessel Type: PLEASURE CRAFT
Vessel Number: Not reported
Vessel Length: 38
Hull Construction: FIBERGLASS HULL
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1093234
Chris Code: ODS
Case Number: 000000-00-0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014093234

UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: OIL: DIESEL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

NRC Report #: 1093234
Chris Code: OMT
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: OIL, MISC: MOTOR
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A13 DEEP POINT MARINA
Target 1301 FERRY ROAD
Property SOUTHPORT, NC 28461

UST U004139385
N/A

Site 13 of 20 in cluster A

Actual:
19 ft.

UST:
Facility Id: 00-0-0000037034
Contact: BALD HEAD ISLAND LIMITED LLC
Contact Address1: PO BOX 3069
Contact Address2: Not reported
Contact City/State/Zip: BALD HEAD ISLAND, NC 28461-3069
FIPS County Desc: Brunswick
Latitude: 33.93005
Longitude: -77.99783

Tank Id: 1
Tank Status: Current
Installed Date: 06/18/2009
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 12000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Auto Shutoff Device
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Double Wall FRP
Decode for PCONS_KEY: Other
Decode for PSYS_KEY: Pressurized System

Tank Id: 2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DEEP POINT MARINA (Continued)

U004139385

Tank Status: Current
Installed Date: 06/18/2009
Perm Close Date: Not reported
Product Name: Gasoline, Gas Mix
Tank Capacity: 8000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Auto Shutoff Device
Spill Protection Name: Catchment Basin
Leak Detection Name: Not reported
Decode for TCONS_KEY: Double Wall FRP
Decode for PCONS_KEY: Other
Decode for PSYS_KEY: Pressurized System

A14 DEEP POINT MARINA/BALD ISLAND FERRY -SOUTHPORT
Target 1301 FERRY RD
Property SOUTHPORT, NC 28461

FINDS 1011930502
ECHO N/A

Site 14 of 20 in cluster A

Actual:
19 ft.

FINDS:

Registry ID: 110037513839

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

ECHO:

Envid: 1011930502
Registry ID: 110037513839
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110037513839>

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A15
Target 1301 FERRY RD
Property SOUTH PORT, NC 28461

ERNS 2016138167
N/A

Site 15 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1138167
Description of Incident: CALLER IS REPORTING THAT A BOAT HAS DISCHARGED BETWEEN 1 QUART AND 1 GALLON OF DIESEL FUEL INTO THE WATER THROUGH THE BILGE PUMP.

Type of Incident: VESSEL
Incident Cause: OTHER
Incident Date Time: 2016-01-15 15:00:00
Incident DTG: OCCURRED
Incident Location: Not reported
Loaction Address: 1301 FERRY RD
Location Street 1: SLIP A6
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:
NRC Report #: 1138167
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016138167

Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSF Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016138167

Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1138167
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: ATLANTIC OCEAN
Release Secured: Y
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: THE SHEEN HAS STARTED TO DISSIPATE. THE BILGE PUMP WAS SECURED.
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: RAINY
Air Temperature: 59
Wind Speed: 23
Wind Direction: E
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016138167

Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: MPH
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 100
Sheen Size Length Units: FEET
Sheen Size Width: 20
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1138167
Site ID: 20161138167
Date Time Received: 2016-01-15 15:52:26
Date Time Complete: 2016-01-15 15:58:42
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: PRIVATE CITIZEN
Responsible City: WILMINGTON
Responsible State: NC
Responsible Zip: 28412
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20161138167
Vessel Name: TRIBUTE
Vessel Type: PLEASURE CRAFT
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2016138167

Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:
NRC Report #: 1138167
Chris Code: ODS
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 1
Unit of Measure: GALLON(S)
Name of Material: OIL: DIESEL
If Reached Water: YES
Amount in Water: 1
Unit of Measure Reach Water: GALLON(S)

A16
Target
Property

1301 FERRY RD
SOUTH PORT, NC 28461

ERNS 2015135747
N/A

Site 16 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1135747
Description of Incident: CALLER STATED THERE IS AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE WITHIN THE VICINITY OF THE DOCK.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2015-12-14 10:00:00
Incident DTG: DISCOVERED
Incident Location: UNKNOWN SHEEN INCIDENT
Loaction Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2015135747

Incidents:

NRC Report #:	1135747
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2015135747

Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:
NRC Report #: 1135747
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2015135747

Media Interest: UNKNOWN
Medium Desc: WATER
Additional Medium Info: CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: Not reported
Release Secured: U
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: NONE
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: SUNNY
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 150
Sheen Size Length Units: FEET
Sheen Size Width: 100
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:
NRC Report #: 1135747
Site ID: 20151135747
Date Time Received: 2015-12-14 11:09:27
Date Time Complete: 2015-12-14 11:11:58
Call Type: INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2015135747

Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:
NRC Report #: 1135747
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A17
Target
Property

1301 FERRY RD
SOUTH PORT, NC 28461

ERNS 2011989458
N/A

Site 17 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 989458
Description of Incident: CALLER REPORTED A SPILL OF DIESEL WHILE FUELING THEIR VESSEL.
Type of Incident: VESSEL
Incident Cause: OPERATOR ERROR
Incident Date Time: 2011-09-13 11:00:00
Incident DTG: OCCURRED
Incident Location: Not reported
Loaction Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2011989458

Incidents:

NRC Report #:	989458
Aircraft Type:	Not reported
Aircraft Model:	Not reported
Aircraft ID:	Not reported
Aircraft Fuel Capacity:	Not reported
Aircraft Fuel Capacity Units:	Not reported
Aircraft Fuel on Board:	Not reported
Aircraft Fuel on Board Units:	Not reported
Aircraft Spot Number:	Not reported
Aircraft Hanger:	Not reported
Aircraft Runway Number:	Not reported
Road Mile Marker:	Not reported
Building ID:	Not reported
Type of Fixed Object:	Not reported
Power Generating Facility:	U
Generating Capacity:	Not reported
Type of Fuel:	Not reported
NPDES:	Not reported
NPDES Compliance:	U
Pipeline Type:	Not reported
DOT Regulated:	U
Pipeline Above Ground:	ABOVE
Exposed Underwater:	N
Pipeline Covered:	U
Railroad Hotline:	Not reported
Grade Crossing:	U
Location Subdivision:	Not reported
Railroad Milepost:	Not reported
Type Vehicle Involved:	Not reported
Crossing Device Type:	Not reported
Device Operational:	U
DOT Crossing Number:	Not reported
Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OCSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2011989458

Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 989458
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: N
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported
Air Corridor Closed: N
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: N
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: N
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: N
Track Closed: N
Track Desc: Not reported
Track Closure Time: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2011989458

Media Interest: NONE
Medium Desc: WATER
Additional Medium Info: CAPE FEAR RIVER
Body of Water: CAPE FEAR RIVER
Tributary of: ATLANTIC OCEAN
Release Secured: Y
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: ABSORBENTS APPLIED
State Agency on Scene: NONE
State Agency Report Number: NONE
Other Agency Notified: Not reported
Weather Conditions: SUNNY
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: U
Sheen Size: Not reported
Sheen Color: RAINBOW
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: 0 CALM
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported
Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: CALLER STATED THAT THERE IS NO ASSISTANCE NEEDED.
State Agency Notified: NONE
Federal Agency Notified: NONE
nearest River Mile Marker: Not reported
Sheen Size Length: 40
Sheen Size Length Units: FEET
Sheen Size Width: 20
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 989458
Site ID: 2011989458
Date Time Received: 2011-09-13 11:56:52
Date Time Complete: 2011-09-13 12:02:21
Call Type: INC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2011989458

Responsible Company: Not reported
Responsible Org Type: PRIVATE CITIZEN
Responsible City: SOUTH PORT
Responsible State: NC
Responsible Zip: 28461
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 2011989458
Vessel Name: BRAVEHEART
Vessel Type: PLEASURE CRAFT
Vessel Number: Not reported
Vessel Length: Not reported
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 989458
Chris Code: OOD
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 5
Unit of Measure: GALLON(S)
Name of Material: OIL, FUEL: NO. 1-D
If Reached Water: YES
Amount in Water: 5
Unit of Measure Reach Water: GALLON(S)

A18
Target
Property

1301 FERRY ROAD
SOUTH FORT, NC

ERNS 2012024841
N/A

Site 18 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1024841
Description of Incident: CALLER REPORTED AN UNKNOWN SHEEN FROM AN UNKNOWN SOURCE.
Type of Incident: UNKNOWN SHEEN
Incident Cause: UNKNOWN
Incident Date Time: 2012-09-18 19:25:00
Incident DTG: DISCOVERED
Incident Location: DEPP POINT MARINA
Loaction Address: 1301 FERRY ROAD
Location Street 1: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2012024841

Location Street 2: Not reported
Location Nearest City: SOUTH FORT
Location State: NC
Location County: BRUNSWICK
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:

NRC Report #: 1024841
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported
Brake Failure: U
Description of Tank: Not reported
Tank Above Ground: ABOVE
Transportable Container: U

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2012024841

Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OCSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: Not reported
Berth Slip Number: Not reported
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: U
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:
NRC Report #: 1024841
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2012024841

Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	NONE
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	Not reported
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBANT PADS PLACED ON THE WATER.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	OVERCAST
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	Not reported
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLOSure Units:	Not reported
Sheen Size Units:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2012024841

Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 150
Sheen Size Length Units: FEET
Sheen Size Width: 50
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1024841
Site ID: 20121024841
Date Time Received: 2012-09-18 19:39:56
Date Time Complete: 2012-09-18 19:42:57
Call Type: INC
Responsible Company: Not reported
Responsible Org Type: UNKNOWN
Responsible City: Not reported
Responsible State: XX
Responsible Zip: Not reported
On Behalf: Not reported
Source: TELEPHONE

Material Involved:

NRC Report #: 1024841
Chris Code: OUN
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: UNKNOWN OIL
If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: UNKNOWN AMOUNT

A19
Target
Property

1301 FERRY RD.
SOUTH PORT, NC 28461

ERNS 2014092022
N/A

Site 19 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1092022
Description of Incident: LUBE OIL DISCHARGED FROM A HOSE ON THE DOCK SIDE THAT IS USED TO DO OIL CHANGES ON THE FERRY BOAT DUE TO OPERATOR ERROR.
Type of Incident: FIXED
Incident Cause: OPERATOR ERROR
Incident Date Time: 2014-08-12 08:50:00
Incident DTG: OCCURRED
Incident Location: DEEP POINT MARINA, AT THE MARINE MAINTENANCE PIER
Loaction Address: 1301 FERRY RD.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014092022

Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: 28461
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:

NRC Report #: 1092022
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: MARINA
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported
Brake Failure: U
Description of Tank: Not reported
Tank Above Ground: ABOVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014092022

Transportable Container: U
Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OOSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: Not reported
Berth Slip Number: Not reported
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: U
Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: U
Airbag Deployed: U
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:

NRC Report #: 1092022
Fire Involved: N
Fire Extinguished: U
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014092022

Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	DEEP POINT MARINA > CAPE FEAR RIVER
Body of Water:	DEEP POINT MARINA
Tributary of:	CAPE FEAR RIVER
Release Secured:	U
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	BOOMS WILL BE APPLIED AND CLEANUP IS UNDERWAY.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	CLEAR
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported
Current Speed Unit:	Not reported
Road Closure Units:	Not reported
Track CLosure Units:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014092022

Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: 20
Sheen Size Length Units: FEET
Sheen Size Width: 10
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1092022
Site ID: 20141092022
Date Time Received: 2014-08-12 09:02:09
Date Time Complete: 2014-08-12 09:06:14
Call Type: INC
Responsible Company: BALD HEAD ISLAND TRANSPORTATION
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: BALD HEAD ISLAND
Responsible State: NC
Responsible Zip: 28461
On Behalf: Not reported
Source: TELEPHONE

Material Involved:

NRC Report #: 1092022
Chris Code: OLB
Case Number: 000000-00-0
UN Number: Not reported
Amount of Material: 2
Unit of Measure: CUP(S)
Name of Material: OIL, MISC: LUBRICATING
If Reached Water: YES
Amount in Water: 2
Unit of Measure Reach Water: CUP(S)

A20
Target
Property

1301 FERRY RD
SOUTH PORT, NC

ERNS 2014082607
N/A

Site 20 of 20 in cluster A

Actual:
19 ft.

Incident Commons:
NRC Report #: 1082607
Description of Incident: CALLER STATED THAT THEY WERE PUMPING THE WASTE OIL INTO A 55 GALLON DRUM ON THE PIER FROM THE VESSEL. THE DISCHARGE PIPE WAS NOT REMOVED FROM THE DRUM AND AS A RESULT THERE WAS A DISCHARGE OF APPROXIMATELY 1 GALLON OF WASTE OIL INTO THE WATER.
Type of Incident: VESSEL
Incident Cause: OTHER
Incident Date Time: 2014-05-13 09:10:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014082607

Incident DTG: OCCURRED
Incident Location: DEEP POINT MARINA
Location Address: 1301 FERRY RD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: SOUTH PORT
Location State: NC
Location County: BRUNSWICK
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: N

Incidents:

NRC Report #: 1082607
Aircraft Type: Not reported
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported
Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: Not reported
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: Not reported
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: N
Pipeline Covered: U
Railroad Hotline: Not reported
Grade Crossing: U
Location Subdivision: Not reported
Railroad Milepost: Not reported
Type Vehicle Involved: Not reported
Crossing Device Type: Not reported
Device Operational: U
DOT Crossing Number: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

2014082607

Brake Failure:	U
Description of Tank:	Not reported
Tank Above Ground:	ABOVE
Transportable Container:	U
Tank Regulated:	U
Tank Regulated By:	Not reported
Tank ID:	Not reported
Capacity of Tank:	Not reported
Capacity of Tank Units:	Not reported
Actual Amount:	Not reported
Actual Amount Units:	Not reported
Platform Rig Name:	Not reported
Platform Letter:	Not reported
Location Area ID:	Not reported
Location Block ID:	Not reported
OCSG Number:	Not reported
OOSP Number:	Not reported
State Lease Number:	Not reported
Pier Dock Number:	Not reported
Berth Slip Number:	Not reported
Continuous Release Type:	Not reported
Initial Continuous Release No:	Not reported
Continuous Release Permit:	Not reported
Allision:	U
Type of Structure:	Not reported
Structure Name:	Not reported
Structure Operational:	U
Airbag Deployed:	U
Date Tiem Normal Service:	Not reported
Service Disruption Time:	Not reported
Service Disruption Units:	Not reported
Transit Bus Flag:	Not reported
CR Begin Date:	Not reported
CR End Date:	Not reported
CR Change Date:	Not reported
FBI Contact:	Not reported
FBI Contact Date Time:	Not reported
Sub Part C Testing Req:	XXX
Conductor Testing:	Not reported
Engineer Testing:	Not reported
Trainman Testing:	Not reported
Yard Foreman Testing:	Not reported
RCL Operator Testing:	Not reported
Brakeman Testing:	Not reported
Train Dispatcher Testing:	Not reported
Signalman Testing:	Not reported
Other Employee Testing:	Not reported
Unknown Testing:	Not reported
Passenger Handling:	Not reported
Passenger Route:	XXX
Passenger Delay:	XXX

Incident Details:

NRC Report #:	1082607
Fire Involved:	N
Fire Extinguished:	U
Any Evacuations:	N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014082607

Number Evacuated:	Not reported
Who Evacuated:	Not reported
Radius of Evacuation:	Not reported
Any Injuries:	N
Number Injured:	Not reported
Number Hospitalized:	Not reported
Any Fatalities:	N
Number Fatalities:	Not reported
Any Damages:	N
Damage Amount:	Not reported
Air Corridor Closed:	N
Air Corridor Desc:	Not reported
Air Closure Time:	Not reported
Waterway Closed:	N
Waterway Desc:	Not reported
Waterway Closure Time:	Not reported
Road Closed:	N
Road Desc:	Not reported
Road Closure Time:	Not reported
Closure Direction:	Not reported
Major Artery:	N
Track Closed:	N
Track Desc:	Not reported
Track Closure Time:	Not reported
Media Interest:	UNKNOWN
Medium Desc:	WATER
Additional Medium Info:	CAPE FEAR RIVER
Body of Water:	CAPE FEAR RIVER
Tributary of:	ATLANTIC OCEAN
Release Secured:	Y
Estimated Duration of Release:	Not reported
Release rate:	Not reported
Desc Remedial Action:	ABSORBENTS APPLIED.
State Agency on Scene:	Not reported
State Agency Report Number:	Not reported
Other Agency Notified:	Not reported
Weather Conditions:	PARTLY CLOUDY
Air Temperature:	Not reported
Wind Speed:	Not reported
Wind Direction:	Not reported
Water Supply Contaminated:	U
Sheen Size:	Not reported
Sheen Color:	RAINBOW
Direction of Sheen Travel:	Not reported
Sheen Odor Description:	Not reported
Wave Condition:	Not reported
Current Speed:	Not reported
Current Direction:	Not reported
Water Temperature:	Not reported
Track Close Dir:	Not reported
Empl Fatality:	Not reported
Pass Fatality:	Not reported
Community Impact:	Not reported
Wind Speed Unit:	Not reported
Employee Injuries:	Not reported
Passenger Injuries:	Not reported
Occupant Fatality:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014082607

Current Speed Unit: Not reported
Road Closure Units: Not reported
Track Closure Units: Not reported
Sheen Size Units: Not reported
Additional Info: THE WIND IS BLOWING THE SHEEN INTO THE CORNER OF THE MARINA.
State Agency Notified: Not reported
Federal Agency Notified: USCG- SECTOR NORTH CAROLINA
nearest River Mile Marker: Not reported
Sheen Size Length: 100
Sheen Size Length Units: FEET
Sheen Size Width: 100
Sheen Size Width Units: FEET
Offshore: N
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: NO

Calls:

NRC Report #: 1082607
Site ID: 20141082607
Date Time Received: 2014-05-13 09:26:37
Date Time Complete: 2014-05-13 09:32:02
Call Type: INC
Responsible Company: BALD HEAD ISLAND TRANSPORTATION
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: BALD HEAD ISLAND
Responsible State: NC
Responsible Zip: 28461
On Behalf: Not reported
Source: TELEPHONE

Vessels Detail:

Site ID: 20141082607
Vessel Name: PATRIOT
Vessel Type: FERRY
Vessel Number: Not reported
Vessel Length: 82
Hull Construction: Not reported
Fuel Capacity: Not reported
Fuel on Board: Not reported
Cargo Capacity: Not reported
Cargo on Board: Not reported
Is Vessel Aground: N
Flag: Not reported
Breadth: Not reported
Draught: Not reported
Fuel Capacity Units: Not reported
Fuel on Board Units: Not reported
Cargo Capacity Units: Not reported
Cargo on Board Units: Not reported

Material Involved:

NRC Report #: 1082607
Chris Code: OWA
Case Number: 000000-00-0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

2014082607

UN Number: Not reported
Amount of Material: 1
Unit of Measure: GALLON(S)
Name of Material: WASTE OIL
If Reached Water: YES
Amount in Water: 1
Unit of Measure Reach Water: GALLON(S)

HSDS
Region
NNE
1/4-1/2
2569 ft.

PFIZER INC
, NC

NC HSDS S102442987
N/A

HSDS:

Site Type: Federal
Superfund ID: 075 578 385
Lat/Long: 33 56 31.194590 77 59 32.163005
Total area in coverage units: 169785.078125
Total perimeter in coverage units: 1818.93176269
X-value coordinate in feet: 2305692.25
Y-value coordinate in feet: 71431.453125
Sites designated as superfund cleanup sites: 885
Length of feature in internal units: 1818.93171053
Area of feature in internal units squared: 169785.069294

B21
NE
< 1/8
0.079 mi.
417 ft.

SOUTHPORT FERRY OPERATION
PO BOX 10028 - HWY 211
SOUTHPORT, NC 28461

UST U001202426
N/A

Site 1 of 3 in cluster B

Relative:
Lower
Actual:
13 ft.

UST:

Facility Id: 00-0-0000025551
Contact: NC DOT - EQUIPMENT UNIT
Contact Address1: 4809 BERYL ROAD
Contact Address2: Not reported
Contact City/State/Zip: RALEIGH, NC 27606
FIPS County Desc: Brunswick
Latitude: 33.93424
Longitude: -77.99348

Tank Id: 1
Tank Status: Removed
Installed Date: 09/26/1969
Perm Close Date: 10/30/1992
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: Not reported
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHPORT FERRY OPERATION (Continued)

U001202426

Overfill Protection Name: Unknown
Spill Protection Name: Unknown
Leak Detection Name: Unknown
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall Steel
Decode for PSYS_KEY: Unknown

Tank Id: 1606-1
Tank Status: Current
Installed Date: 10/28/1992
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: MLLD
Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: 1606-2
Tank Status: Current
Installed Date: 10/28/1992
Perm Close Date: Not reported
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Ball Float Valve
Spill Protection Name: Catchment Basin
Leak Detection Name: MLLD
Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: 2
Tank Status: Removed
Installed Date: 09/26/1969
Perm Close Date: 10/30/1992
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHPORT FERRY OPERATION (Continued)

U001202426

Main Tank: No
 Compartment Tank: No
 Manifold Tank: Not reported
 Commercial: Yes
 Regulated: Yes
 Other CP Tank: Not reported
 Overfill Protection Name: Unknown
 Spill Protection Name: Unknown
 Leak Detection Name: Unknown
 Decode for TCONS_KEY: Single Wall Steel
 Decode for PCONS_KEY: Single Wall Steel
 Decode for PSYS_KEY: Unknown

B22
NE
 < 1/8
 0.092 mi.
 485 ft.

SOUTHPORT FERRY USTS
SR 1540
SOUTHPORT, NC 28461

LUST **S102869056**
IMD **N/A**

Site 2 of 3 in cluster B

Relative:
Lower
Actual:
9 ft.

LUST:
 Facility ID: 00-0-000
 UST Number: WI-1491
 Incident Number: 17758
 Contamination Type: SL
 Source Type: Leak-underground
 Product Type: P
 Date Reported: 12/28/1992
 Date Occur: 10/28/1992
 Cleanup: 10/28/1992
 Closure Request: Not reported
 Close Out: 01/09/2006
 Level Of Soil Cleanup Achieved: Soil to Groundwater
 Tank Regulated Status: R
 # 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: 20E
 Phase Of LSA Req: Not reported
 Site Risk Reason: Not reported
 Land Use: Residential
 MTBE: Not reported
 MTBE1: No
 Flag: Yes
 Flag1: No
 LUR Filed: Not reported
 Release Detection: 0
 Current Status: File Located in Archives
 RBCA GW: Cleanups to 2L.0202 standards
 PETOPT: 3
 RPL: True
 CD Num: 291
 Reel Num: 0
 RPOW: True
 RPOP: True

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHPORT FERRY USTS (Continued)

S102869056

Error Flag: 0
Error Code: Y
Valid: False
Lat/Long Decimal: 33.9345 -77.9934
Testlat: Not reported
Regional Officer Project Mgr: BAR
Region: WIL
Company: NCDOT
Contact Person: MR. C. R. ETHRIDGE
Telephone: 9194733461
RP Address: P.O. BOX 40
RP City,St,Zip: MANN'S HARBOR, NC 27953
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:

Facility Id: 17758
Date Occurred: 1992-10-28 00:00:00
Date Reported: 1997-08-25 00:00:00
Description Of Incident: SOIL CONTAM. AROUND REPLACED USTS; UP TO 2308 PPM TPH DETECTED ON NORTH END; TWO H2O SAMPLES COLLECTED FROM BASIN/MONITORING WELLS ARE BELOW DETECTION LEVELS
Owner/Operator: MR. C. R. ETHRIDGE
Ownership: 7
Operation Type: 1
Type: 3
Location: 1
Site Priority: 20E
Priority Update: 1998-05-30 00:00:00
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: 2006-01-09 00:00:00
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

IMD:

Region: WIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHPORT FERRY USTS (Continued)

S102869056

Facility ID: 17758
Date Occurred: 10/28/1992
Submit Date: 8/25/1997
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: SOIL CONTAM. AROUND REPLACED USTS; UP TO 2308 PPM TPH DETECTED ON NORTH END; TWO H2O SAMPLES COLLECTED FROM BASIN/MONITORING WELLS ARE BELOW DETECTION LEVELS
Operator: MR. C. R. ETHRIDGE
Contact Phone: 9194733461
Owner Company: NCDOT
Operator Address: P.O. BOX 40
Operator City: MANN'S HARBOR
Oper City, St, Zip: MANN'S HARBOR, NC 27953-
Ownership: State
Operation: Public Service
Material: DIESEL FUEL
Qty Lost 1: Not reported
Qty Recovered 1: UNKNOWN
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Rural
Risk Site: L
Site Priority: 20E
Priority Code: L
Priority Update: 5/30/1998
Dem Contact: BAR
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: 33.93388888
Longitude: -77.99416666
Latitude Number: 335602
Longitude Number: 775939
Latitude Decimal: 33.9338888888889
Longitude Decimal: 77.9941666666667
GPS: 7
Agency: DWM
Facility ID: 17758
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 Sighed: 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

B23
NE
 < 1/8
 0.107 mi.
 565 ft.

SOUTHPORT FERRY - PRODUCT LINE LEAK
1650 FERRY RD
SOUTHPORT, NC 28461

LUST **S106936295**
IMD **N/A**

Site 3 of 3 in cluster B

Relative:
Lower
Actual:
6 ft.

LUST:
 Facility ID: 00-0-000
 UST Number: WI-7085
 Incident Number: 32232
 Contamination Type: GW
 Source Type: Leak-underground
 Product Type: P
 Date Reported: 06/02/2005
 Date Occur: 05/28/2005
 Cleanup: 06/07/2005
 Closure Request: Not reported
 Close Out: 10/19/2018
 Level Of Soil Cleanup Achieved: Residential
 Tank Regulated Status: R
 # Of Supply Wells: 0
 Commercial/NonCommercial UST Site: COMMERCIAL
 Risk Classification: I
 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: FS
 Land Use: Residential
 MTBE: No
 MTBE1: Unknown
 Flag: No
 Flag1: No
 LUR Filed: Not reported
 Release Detection: 0
 Current Status: File Located in House
 RBCA GW: Cleanups to alternate standards
 PTOPT: 3
 RPL: True
 CD Num: 0
 Reel Num: 0
 RPOW: True
 RPOP: True
 Error Flag: 0
 Error Code: N
 Valid: False
 Lat/Long Decimal: 33.9348 -77.9933
 Testlat: Not reported
 Regional Officer Project Mgr: MHH
 Region: WIL
 Company: DEPT. OF TRANSPORTATION
 Contact Person: ERIC MOTZNO
 Telephone: 9198358007
 RP Address: 4809 BERYL RD.
 RP City,St,Zip: RALEIGH, NC 27606
 RP County: Not reported
 Comments: Line leak detector stopped pump from dispensing fuels. Product piping

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHPORT FERRY - PRODUCT LINE LEAK (Continued)

S106936295

test revealed a leak. Pictures taken during field investigation on 5-7-05 (See file for reference). Approx. 30" of diesel fuel found in monitoring well. Well permit issued for two recovery wells on 6-24-05. COA issued 7-18-05 # CAU080016. 12 c.y. of contaminated soils treated at the NCDOT facility in Shallotte, 29 Mulberry Street. NRP-NORR sent 1-9-06.

5 Min Quad: Not reported

PIRF:

Facility Id: 32232
Date Occurred: 2005-05-28 00:00:00
Date Reported: 2005-06-02 00:00:00
Description Of Incident: Line leak detector stopped the pumps from dispensing fuel. Product line testing revealed a leak in the product piping.
Owner/Operator: Not reported
Ownership: 7
Operation Type: 1
Type: 3
Location: 8
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 1
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: 2018-10-19 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: 2006-01-09 00:00:00
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

IMD:

Region: Not reported
Facility ID: 32232
Date Occurred: 5/28/2005
Submit Date: 6/2/2005
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: Line leak detector stopped the pumps from dispensing fuel. Product line testing revealed a leak in the product piping.
Operator: Eric Motzno
Contact Phone: 9198358007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHPORT FERRY - PRODUCT LINE LEAK (Continued)

S106936295

Owner Company: Dept. of Transportation
Operator Address:4809 Beryl Rd.
Operator City: Raleigh
Oper City,St,Zip: Raleigh, NC 27606
Ownership: State
Operation: Public Service
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: 8
Setting: Not reported
Risk Site: I
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: JDP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 33.93444444
Longitude: -77.98888888
Latitude Number: 335604
Longitude Number: 775920
Latitude Decimal: 33.934444444444
Longitude Decimal: 77.988888888889
GPS: 7
Agency: DWM
Facility ID: 32232
Last Modified: Not reported
Incident Phase: Follow Up
NOV Issued: Not reported
NORR Issued: 1/9/2006
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

24
WSW
1/4-1/2
0.448 mi.
2367 ft.

SCHEID ESTATE
1040 RIVER ROAD
SOUTHPORT, NC 28461

LUST S108407943
N/A

Relative:
Higher
Actual:
24 ft.

LUST:
Facility ID: Not reported
UST Number: WI-7251
Incident Number: 32381
Contamination Type: SL
Source Type: Leak-underground
Product Type: P
Date Reported: 01/12/2007
Date Occur: 11/13/2006
Cleanup: 11/13/2006
Closure Request: Not reported
Close Out: 02/08/2007
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: N
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: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 460
Reel Num: 7251
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long Decimal: 33.8891 -78.5676
Testlat: Not reported
Regional Officer Project Mgr: JDP
Region: WIL
Company: FAILEY, JESS, ISENBERG & THOMP
Contact Person: MS. ELVA JESS (ATTORNEY)
Telephone: 9105796720
RP Address: P.O. BOX 11028
RP City,St,Zip: SOUTHPORT, NC 28461
RP County: Not reported
Comments: Heating Oil UST removed. NFA. File pulled for archiving on 8/25/2011

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCHEID ESTATE (Continued)

S108407943

5 Min Quad: by LEB.
Not reported

PIRF:
Facility Id: 32381
Date Occurred: 2006-11-13 00:00:00
Date Reported: 2007-01-12 00:00:00
Description Of Incident: Soil sampling confirms release from Heating oil UST.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: 2007-02-08 00:00:00
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

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SOUTHPORT	1003869562	ARCHER DANIELS MIDLAND ADM PCB SPI	MOORE ST. EXTN. P. O. BOX 1064	28461	SEMS-ARCHIVE
YAUPON BEACH	S122513451	YAUPON EXXON	819 YAUPON DRIVE	28465	LAST

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended.								
28461	1007708979	110018655766	MERRITT MOORE SEAFOOD		**	SOUTHPORT	NC	FINDS
28461	1007705471	110018620651	R M ENTERPRISES		**	LONG BEACH	NC	FINDS
28461	U003562057	0-004031	MILITARY OCEAN TERMINAL		**	SOUTHPORT	NC	UST
28461	2002623396				**	BALD HEAD ISLAND	NC	ERNS
28461	2001572583				**	BALD HEAD ISLAND	NC	ERNS
28461	2005772410				**	SOUTHPORT	NC	ERNS
28461	1008016260	110027386086	BALD HEAD ISLAND UTILITIES		**	BALD HEAD ISLAN	NC	FINDS
28461	1009655007	110027397172	THE LAKES COUNTRY CLUB		**	BOILING SPRING	NC	FINDS
28461	1021743435		CAPE FEAR SUNOCO SERVICE	9TH ST & HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1012119203	110038995638	STANDARD PRODUCTS OF NC INC	SR 1101	**	SOUTHPORT	NC	FINDS
28461	S118635820		E. 11TH STREET-254	254 E. 11TH ST		SOUTHPORT	NC	
28461	S105120037	22912	CITY OF SOUTHPORT-MAIN. SHOP	210 E. 11TH. ST		SOUTHPORT	NC	IMD, LUST
28461	1021769893		SAMPSON-BLADEN OIL CO INC	HIGHWAY 133 & 211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U003145906	0-023466	OLDE BRUNSWICK GENERAL STORE	HIGHWAY 133 & FIFTY LAKES DRIVE		BOILING SPRINGS	NC	UST
28461	1007725851	110018824913	HARRELSON S MARKET	HIGHWAY 133 - 8109 RIVER ROAD	**	SOUTHPORT	NC	FINDS
28461	1021324546		SAMPSON-BLADEN OIL CO INC	HIGHWAY 133 211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007709016	110018656104	RIVER RUN DRY CLEANERS	HIGHWAY 133 AND 211	**	SOUTHPORT	NC	FINDS
28461	1020180921		BROWN JIMMY & SON	HWY 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021632086		H & H TEXACO SERVICE	HWY 133	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	U004139295		HARRELSON'S MARKET	HWY 133 - 8109 RIVER RD	**	SOUTHPORT	NC	UST
28461	S105912350	86638	MOTSU, DIESEL REFUELING AREA	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912349	86636	MOTSU, LUMBER YARD	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S107812443	86637	MOTSU, FIRE FIGHTER TRAINING AREA	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912348	86635	MOTSU, LOCOMOTIVE REPAIR SHOP/WA:	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912172	16979	MOTSU, BUILDINGS S-1 AND S-15	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	S105912347	86634	MOTSU, STEVEDORE MAINTENANCE SHC	HWY 133 AND HWY 87 (MERGE)		SOUTHPORT	NC	IMD
28461	1020611568		KINGS SHOPPING CENTER	HWY 133 YAUPON BCH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007707884	110018644797	FISH PROCESSING PLANT	HIGHWAY 133/SR 1101	**	SOUTHPORT	NC	FINDS
28461	U004138551		FISH PROCESSING PLANT	HIGHWAY 133/SR 1101	**	SOUTHPORT	NC	UST
28461	S102869056	17758	SOUTHPORT FERRY USTS	SR 1540	B, NE, 1/4 - 1/2	SOUTHPORT	NC	IMD, LUST
28461	1012120170	110038997011	ROYAL NEST LEASING	HIGHWAY 211	**	BOILING SPRINGS	NC	FINDS
28461	1017002986	110047549300	VILLA NOVA MOBILE HOME PARK	NC 211 HWY	**	YAUPON BEACH	NC	FINDS
28461	1020438600		HANDY HUGOS	HIGHWAY 33211	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1016605750	110007656349	US MILITARY OCEAN TERM	HWY 421 PLEASURE ISLAND	**	KURE BEACH	NC	FINDS
28461	1004744467	NC9210020542	US MILITARY OCEAN TERM	HWY 421 PLEASURE ISLAND	**	KURE BEACH	NC	RCRA-CESQG
28461	U001189257	0-004780	SOUTHERN BELL-GLC 21826	N.E. 46TH STREET	**	LONG BEACH	NC	UST
28461	1022014061		BIG DADDYS SHELL SERVICE STN	RT 5 BOX 288	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001201395	0-023871	SPORTSMAN INN MARINA	57TH PLACE WEST	**	LONG BEACH	NC	UST
28461	1007704533	110018611297	SPORTSMAN INN MARINA	57TH PLACE WEST	**	LONG BEACH	NC	FINDS
28461	1023444500	110068207522	CAROLINA POWER & LIGHT	HIGHWAY 87	**	SOUTHPORT	NC	FINDS
28461	U004138786		CAPE FEAR BROADCASTING COMPANY	HIGHWAY 87		BOILING SPRINGS LAKENC	NC	UST
28461	1007704984	110018615783	BOILING SPRING LAKES MINI MAR	HIGHWAY 87 SOUTH	**	BOILING SPRING	NC	FINDS
28461	S102611247	17777	BOSWELL'S GAS & GROCERY	HWY 87	**	BOILING SPRINGS LK	NC	IMD, LUST
28461	1020581573		BOSWELLS GAS & GROCERY	HWY 87	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1004547206	110002080284	MARTIN MARIETTA AGGREGATES BRUNS	HWY 87 & HWY 133	**	SOUTHPORT	NC	FINDS
28461	1000333769	NCD091570960	PROGRESS ENERGY BRUNSWICK NUCLE	HWY 87 N	**	SOUTHPORT	NC	CERCLIS-NFRAP, RCRAInfo-SQG
28461	1014628307			HWY 87 NORTH	**	SOUTHPORT	NC	PCB TRANSFORMER
28461	U004138770			HWY 87 SOUTH	**	BOILING SPRINGS LAKENC	NC	UST
28461	S105766102	17387	BOILING SPRING LAKES MINI MART	HWY. 87 S.	**	SOUTHPORT	NC	IMD, LUST
28461	1021961843		AMANS TEXACO SERVICE	<	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011498454	110012286748	MALLORY CREEK SITE	1,200 ACRE TRACT	**	SOUTHPORT	NC	ICIS, FINDS
28461	9198610			ALONG CAPE FEAR RIVER	**	SOUTH PORT	NC	ERNS
28461	9018986			US ARMY	**	SOUTH PORT	NC	ERNS
28461	S122873672		SOUTHPORT GYMNASIUM	211 NORTH ATLANTIC AVENUE	**	SOUTHPORT	NC	COAL ASH
28461	1018132207		SUNNY POINT MILITARY OCEAN TERMINA/	ATTN: MTE SU-FE	**	SOUTHPORT	NC	
28461	S112336853		BALD HEAD ISLAND UTILITIES	BALD HEAD ISL.	**	BALD HEAD ISLAND	NC	
28461	2016156120			BALD HEAD ISLAND MARINA	**	BALD HEAD ISLAND	NC	ERNS
28461	2002625381			BALD HEAD ISLAND MARINA	**	BALD HEAD ISLAND	NC	ERNS
28461	S108074397	32320	AMERICAN FISH COMPANY (FORMER)	319 WEST BAY STREET	**	SOUTHPORT	NC	NPDES, LUST

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	U004139415		AMERICAN FISH COMPANY	821 WEST BAY STREET	**	SOUTHPORT	NC	UST
28461	U004139035		CITY OF BOILING SPRING LAKES	#9 BOILING SPRING ROAD		SOUTHPORT	NC	UST
28461	1007708350	110018649453	CITY OF BOILING SPRING LAKES	#9 BOILING SPRING ROAD		SOUTHPORT	NC	FINDS
28461	1012119787	110038995594	BOILING SPRINGS CONT	BOILING SPRINGS LAKE		SOUTHPORT	NC	FINDS
28461	1007699074	110018556613	SOUTHPORT FERRY OPERATION	P.O. BOX 10028	**	SOUTHPORT	NC	FINDS
28461	A100186612	10005	CAROLINA POWER & LIGHT CO. (BRUNSV	P.O. BOX 10429 (NC HWY. 87 NORTH)	**	SOUTHPORT	NC	AST
28461	U004138820		BRUNSWICK STEAM ELECTRIC PLANT	P.O. BOX 10429/HWY 87	**	SOUTHPORT	NC	UST
28461	U001202426	0-025551	SOUTHPORT FERRY OPERATION	PO BOX 10028 - HWY 211	B, ENE, 1/4 - 1/2	SOUTHPORT	NC	UST
28461	1005539744	110009717921	SOUTHPORT MARINA	PO BOX 10578 WEST STREET		SOUTHPORT	NC	FINDS
28461	A100186618	10011	BALD HEAD ISLAND (BALD HEAD ISLAND	PO BOX 1058	**	SOUTHPORT	NC	AST
28461	1009662208	110025390592	RESERVE DEVELOPMENT CORPORATION	BRUNSWICK 2006-075 BRUNSWICK COUN	**	BALD HEAD ISLAND	NC	FINDS
28461	2007850864			BRUNSWICK NUCLEAR PLANT	**	SOUTHPORT	NC	ERNS
28461	S111161488		BUILDING 24 BRUNSWICK ROAD	BUILDING 24 BRUNSWICK RD		SOUTHPORT	NC	UIC
28461	S111284068		421 CADES TRAIL 5QW	421 CADES TRL		SOUTHPORT	NC	UIC
28461	2003700540			CAPE FEAR RIVER	**	SOUTHPORT	NC	ERNS
28461	1007700062	110018566522	USCG STATION OAK ISLAND	CASWELL BEACH ROAD	**	CASWELL BEACH	NC	FINDS
28461	U003145816	0-022946	USCG STATION OAK ISLAND	CASWELL BEACH ROAD	**	CASWELL BEACH	NC	UST
28461	1007723297	110018799353	OAK ISLAND ENTERPRISES INCORPORAT	CASWELL DUNES CONDOMINIUM	**	CASWELL	NC	FINDS
28461	S110493226		JELINEK SFR	18 CEDAR CT		BALD HEAD ISLAND	NC	UIC
28461	S110729221		JOHN KEIFFER AND BONITA BRAY	404 CLARENDON AVE		SOUTHPORT	NC	UIC
28461	S105912217	18801	ERNE DARBY OIL SPILL	CLEARVIEW DRIVE S.E. (S.R. 156		SOUTHPORT	NC	IMD
28461	1004747130	NCR000136101	COGENTRIX OF NORTH CAROLINA, INC	1281 COGENTRIX DRIVE SE		SOUTHPORT	NC	ICIS, RCRA-CESQG
28461	1007726831	110018834724	C.B CAROON CRAB COMPANY	CORNER OF BAY STREET KINGSLE	**	SOUTHPORT	NC	FINDS
28461	U001205546	0-030891	S BRUNSWICK HIGH SCHOOL	280 COUGAR DR BSL		SOUTHPORT	NC	UST
28461	1007723472	110018801108	S BRUNSWICK HIGH SCHOOL	280 COUGAR DRIVE BSL		SOUTHPORT	NC	FINDS
28461	U004138628		BRUNSWICK ELECTRIC MEMBERSHIP CO	112 COUNTRY CLUB DRIVE		LONG BEACH	NC	UST
28461	U001187073	0-001615	OCEAN OLE	132 COUNTRY CLUB DR		YAUPON BEACH	NC	IMD, LUST, UST
28461	1020467670		OCEAN O SELF SERVICE	132 COUNTRY CLUB DRIVE	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	U003142679	0-001829	CHEEKS AMOCO	222 COUNTRY CLUB DR		YAUPON BEACH	NC	LUST, UST
28461	1021759866		U-FULLER UP	COUNTRY CLUB DR	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	2007841026			DEEP POINT MARINA	**	SOUTHPORT	NC	ERNS
28461	S109504757		PRYOR, DAVID B - SFR	5900 DUTCHMAN CREEK RD		SOUTHPORT	NC	UIC
28461	1007702051	110018586378	SOUTHERN BELL-GLC 21826	NORTH EAST 46TH STREET	**	LONG BEACH	NC	FINDS
28461	1018291425		BALD HEAD ISLAND WTP	256 EDWARD TEACH EXTENSION		BALD HEAD ISLAND	NC	ICIS
28461	1016449572	110056378227	VILLAGE OF BALD HEAD ISLAND MAINTEN	256 EDWARD TEACH WYND		BALD HEAD ISLAND	NC	RCRA-NonGen, FINDS
28461	2009920290			END OF 9TH STREET	**	SOUTH FORK	NC	ERNS
28461	S111445054		GREEN COAST CONTAINERS	3701 FAIRFIELD WAY		SOUTHPORT	NC	
28461	98464924			FEIZER DOCK	**	SOUTHPORT	NC	ERNS
28461	2014093538			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2015135747			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2016138167			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2018214959			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	S117918457		DEEP POINT MARINA/BALD ISLAND FERR	1301 FERRY RD	A, East, 0 - 1/8	SOUTHPORT	NC	NPDES
28461	2016164257			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2014102937			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2014093234			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2018204061			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	2011989458			1301 FERRY RD	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	1011930502	110037513839	DEEP POINT MARINA/BALD ISLAND FERR	1301 FERRY RD	A, East, 0 - 1/8	SOUTHPORT	NC	FINDS
28461	2014092022			1301 FERRY RD.	A, East, 0 - 1/8	SOUTH PORT	NC	ERNS
28461	U004139385		DEEP POINT MARINA	1301 FERRY ROAD	A, East, 0 - 1/8	SOUTHPORT	NC	UST
28461	S106936295	32232	SOUTHPORT FERRY - PRODUCT LINE LE/	1650 FERRY RD	B, NE, 1/4 - 1/2	SOUTHPORT	NC	IMD, LUST
28461	1021147730		OLDE BRUNSWICK GENERAL STORE	1450 FIFTY LAKES DR BSL		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004119402		OLDE BRUNSWICK GENERAL STORE	1450 FIFTY LAKES ROAD STE E		SOUTHPORT	NC	UST
28461	1020020699		KISECO INC	4812 FISH FACTORY RD SE		SOUTHPORT	NC	EDR Historical Cleaners
28461	2014086089			4909 FISH FACTORY RD.		SOUTHPORT	NC	ERNS
28461	2018202472			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2015122092			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2010955939			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2009896649			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014082970			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2018208456			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2007852944			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014097870			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2005757240			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2014098941			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	2013066601			4909 FISH FACTORY ROAD		SOUTH PORT	NC	ERNS
28461	1007696247	110018528324	STANDARD PRODUCTION OF NC	FISH FACTORY ROAD	**	SOUTHPORT	NC	FINDS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S104913983	85470	STANDARD PRODUCTS	FISH FACTORY ROAD		SOUTHPORT	NC	IMD
28461	1020895749		BOSWELLS GAS & GROCERY	611 FODALE AVE		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011863163	NCS000001169	HARWARD BROTHERS DEVELOPEMENT (3058-3 GEORGE II HWY		SOUTHPORT	NC	RCRA-NonGen
28461	1011922351	110037426648	HARWARD BROTHERS DEVELOPEMENT (3058-3 GEORGE II HWY		SOUTHPORT	NC	FINDS
28461	1014925391	NCP022212007	BOILING SPRING LAKES ABC	3130 GEORGE II HWY SE		SOUTHPORT	NC	RCRA-NonGen
28461	1015947129	110046531794	BOILING SPRING LAKES ABC	3130 GEORGE II HWY SE		SOUTHPORT	NC	FINDS
28461	U004139197		KOPP'S KWIK STOP 2	3196 GEORGE II HWY		BOILING SPRING LAKES	NC	LUST TRUST, LUST, UST
28461	1007700106	110018566960	PARKER S SUPERETTE	3196A GEORGE II HIGHWAY		SOUTHPORT	NC	FINDS
28461	U004273758		SUNNY POINT TIGER MART	4388 GEORGE II HWY SE		SOUTHPORT	NC	UST
28461	S112338514		BALD HEAD ISLAND DIESEL SPILL	GOLF COURSE AREA	**	SOUTHPORT	NC	
28461	S110629625		BALD HEAD ISLAND DIESEL SPILL	GOLF COURSE AREA		BALD HEAD ISLAND	NC	
28461	S117056021		WAYLETT RESIDENCE	3319 GORDONIA CIR		SOUTHPORT	NC	UIC
28461	2013056804			SOUTH HARBOUR VILLAGE MARINA	**	SOUTHPORT	NC	ERNS
28461	S115777498		KIEL RESIDENCE	3874 HEARNDON LN		SOUTHPORT	NC	UIC
28461	1021997933		SAMPSON-BLADEN OIL CO INC	211 NC HIGHWAY 133		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S103916859	20204	MOTSU, BLDG. S-1	NC HIGHWAY 133		SOUTHPORT	NC	IMD, LUST
28461	1009405102	110024936113	DOLLAR PROPERTIES FIVE LIMITED LIAB	NC HIGHWAY 78 WEST NORTH SHORE D	**	SOUTHPORT	NC	FINDS
28461	1011817498		BRUNSWICK STEAM ELECTRIC PLANT	NC HIGHWAY 87		SOUTHPORT	NC	RMP
28461	1011817499		BRUNSWICK STEAM ELECTRIC PLANT (B)	NC HIGHWAY 87		SOUTHPORT	NC	RMP
28461	1018304868		PROGRESS ENERGY CAROLINAS, INC. Bf	NC HIGHWAY 87 NORTH		SOUTHPORT	NC	ICIS
28461	1016086108	110018698694	BRUNSWICK STEAM ELECTRIC PLANT	NC HIGHWAY 87 NORTH		SOUTHPORT	NC	FINDS
28461	S110729220		JEFFERY AND PATRICIA MAYER SFR	2492 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	S118696290		JAY AND VICKIE BLOCH RESIDENCE	2514 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	S113191043		ANDERMAN RESIDENCE	2599 HILLSBOROUGH DR		SOUTHPORT	NC	UIC
28461	1012118870	110038985738	MARTIN MARIETTA MATERIALS INC - SOU	5408 HOLLY SHELTER ROAD	**	SOUTHPORT	NC	FINDS
28461	1021631956		HUFHAM EXXON SERVICE	600 N HOME ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1016682764	110012849846	SOUTHPORT CITY OF	1010 N HOWE ST		SOUTHPORT	NC	FINDS
28461	S110492961		CITY OF SOUTHPORT- PUBLIC WORKS	1010 N. HOWE ST		SOUTHPORT	NC	LUST
28461	1007698073	110018546607	PANTRY #467	1130 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	U001201246	0-023678	CIRCLE K 2720467	1130 NORTH HOWE STREET		SOUTHPORT	NC	LUST, UST
28461	1020989062		ROYAL COACH & MOTORWORKS INC	1320 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S103718034	19722	ROYAL COACH AND AUTOMOTIVE	1320 N. HOWE STREET		SOUTHPORT	NC	IMD, LUST
28461	1020410096		SWAIN ROY	1322 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1001488621	NCR000010942	KERR DRUG 520	1501 N HOWE ST		SOUTHPORT	NC	RCRA-NonGen
28461	1016628375	110004059090	KERR DRUG 520	1501 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1020942767		AUSTIN K E CORPORATION	1603 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007725304	110018819448	GOGAS #8	1603 HOWE STREET SOUTH EAST		SOUTHPORT	NC	FINDS
28461	U004139291		GOGAS 8	1603 N HOWE STREET		SOUTHPORT	NC	UST
28461	1020376633		MURPHY OIL USA INC	1607 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S117917882		SOUTHPORT - NORTH HOWE STREET FA	1619 N HOWE RD		SOUTHPORT	NC	NPDES
28461	1019327786	NCS000002306	S&W READY MIX CONCRETE	1619 N HOWE ST		SOUTHPORT	NC	RCRA-NonGen
28461	1017426879	2846WSWSTH16	S&W SOUTHPORT	1619 NORTH HOWE ROAD		SOUTHPORT	NC	TRIS
28461	1005676735	110002359368	MATERIAL SALVAGE AND RECYCLING INC	1619 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	1004549942		S & W READY MIX CONCRETE COMPANY	1619 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1016647926	110009717459	GODWIN CONCRETE CO-BRUNSWICK	1619 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	S121514487		S & W READY MIX CONCRETE COMPANY	1619 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1020085931		SHALLOTTE CLEANERS INC	1620 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1020150080		MURPHY EXPRESS	1670 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1004746921	NCR000011759	WALMART SUPERCENTER #2772	1675 N HOWE ST		SOUTHPORT	NC	RCRA-CESQG
28461	1016628376	110004059615	WALMART SUPERCENTER #2772	1675 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1021406963		MURPHY OIL USA INC	211 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004158461		MURPHY EXPRESS 8572	211 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	1022013247		K & M FUEL SALES	310 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138584		K & M FUEL SALES	310 HOWE STREET		SOUTHPORT	NC	UST
28461	1007704449	110018610421	K AND M FUEL SALES	310 HOWE STREET		SOUTHPORT	NC	FINDS
28461	1020004033		HI WAY CLEANERS	508 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1021460388		VEREENS SERVICE CENTER	511 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001201762	0-024434	WAYLAND VEREEN	511 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	1007705343	110018619360	WAYLAND VEREEN	511 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	S104914533	22523	BIG DADDY'S GARAGE	524 NORTH HOWE ST.		SOUTHPORT	NC	IMD, LUST

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1020549649		JUSTICE EXXON	600 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007712981	110018695820	CONVENIENT FOOD MART #5423	701 HOWE STREET		SOUTHPORT	NC	FINDS
28461	U004139331		CONVENIENT FOOD MART 5423	701 HOWE STREET		SOUTHPORT	NC	UST
28461	1000305080	NCD982083412	SOUTHPORT VENTURES INC	715 HOWE ST		SOUTHPORT	NC	IMD, RCRA-NonGen
28461	1016606516	110004029961	SOUTHPORT VENTURES INC	715 HOWE ST		SOUTHPORT	NC	FINDS
28461	1018495124		SNOW WHITE LAUNDROMAT	715 N HOWE ST		SOUTHPORT	NC	EDR Historical Cleaners
28461	1009318967	110024446544	NCDSCA 010-0001 (TOWN GATE CLEANEF	715 N HOWE ST		SOUTHPORT	NC	FINDS
28461	1009217749	NC0991302836	NCDSCA 010-0001 (TOWN GATE CLEANEF	715 N HOWE ST		SOUTHPORT	NC	RCRAInfo-SQG
28461	1007704054	110018606481	TOWN GATE CLEANERS	715 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	1021860769		BIG DADDYS SHELL SERVICE STN	900 HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	S117845978		E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	LUST
28461	1007709834	110018664293	E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	FINDS
28461	U004138619		E-Z-WAY GROCERY	921 NORTH HOWE STREET		SOUTHPORT	NC	UST
28461	U004139464		J AURTHUR DOSHER MEMORIAL HOSP	924 HOWE STREET		SOUTHPORT	NC	UST
28461	S121514507		DOSHER MEMORIAL HOSPITAL	924 NORTH HOWE STREET		SOUTHPORT	NC	
28461	1018314620	110067573539	DOSHER MEMORIAL HOSPITAL	924 NORTH HOWE STREET		SOUTHPORT	NC	ICIS, FINDS
28461	S101523343	7132	DOSHER MEMORIAL HOSPITAL	926 HOWE ST.		SOUTHPORT	NC	IMD, LUST
28461	U004138502		HART'S MINIT MART	927 N. HOWE ST.		SOUTHPORT	NC	UST
28461	1007707885	110018644804	HART S MINIT MART	927 NORTH HOWE ST.		SOUTHPORT	NC	FINDS
28461	1020784444		SOUTHPORT TEXACO	929 N HOWE ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U001200603	0-022744	OZEN W. CARRIER	9TH & HOWE STREET		SOUTHPORT	NC	UST
28461	1007713073	110018696730	OZEN W. CARRIER	9TH & HOWE STREET		SOUTHPORT	NC	FINDS
28461	1021095261		SOUTHPORT SUNOCO	HOWE ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	97381002			HOWE ST EXTENSTION	**	SOUTHPORT	NC	ERNS
28461	S112223072		TERRY L. LEE PROPERTY	HOWE ST. NC HWY 211 AND 9TH ST		SOUTHPORT	NC	
28461	1021801864		SOUTHPORT AUTO SERVICES CENTER	HOWE STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020723664		VEREENS SERVICE CENTER	HOWE STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020004032		HI WAY CLEANERS	508 HOWELL ST	**	SOUTHPORT	NC	EDR Historical Cleaners
28461	1020583381		BALL GEORGE HAROLD	NC HWY 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	2004723906			6099 INDEGO PLANTATION DR		SOUTHPORT	NC	ERNS
28461	2011985564			6099 INDIGO PLANTATION		SOUTHPORT	NC	ERNS
28461	2016152932			6099 INDIGO PLANTATION DR		SOUTH PORT	NC	ERNS
28461	1004547668	110006707368	BALD HEAD ISLAND DEVELOPMENT CO	6099 INDIGO PLANTATION DR		SOUTHPORT	NC	FINDS
28461	2001566095			6099 INDIGO PLANTATION DR.		SOUTHPORT	NC	ERNS
28461	1021146265		TOMS HI TANE	JCT HWYS 211 & 133	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S121425629		HARRELSON ESTATE (DAN)	102 KINGSLEY DRIVE		SOUTHPORT	NC	LUST
28461	1016684138	110018564631	OLDE BRUNSWICK GENERAL STORE	1450 50 LAKES DR		BOILING SPRING LAKES	NC	FINDS
28461	1020037520		MAY LINDA INC	109 LIVE OAK TURN		SOUTHPORT	NC	EDR Historical Cleaners
28461	U003755162	0-036166	ST. JAMES PLANTATION	2760 LONG BAY DR		SOUTHPORT	NC	UST
28461	1007706132	110018627253	ST. JAMES PLANTATION	2760 LONG BAY DRIVE		SOUTHPORT	NC	FINDS
28461	U001188683	0-004065	PAINT CENTER	286 LONG BCH RD.		SOUTHPORT	NC	UST
28461	1007707851	110018644467	PAINT CENTER	286 LONG BEACH ROAD		SOUTHPORT	NC	FINDS
28461	1014783324	110042402833	BLUE SKY AVIATION	4019 LONG BEACH RD		SOUTHPORT	NC	FINDS
28461	U004139041		BRUNSWICK COUNTY AIRPORT	4019 LONG BEACH RD		SOUTHPORT	NC	LUST, UST
28461	1011979090	110038066936	CAPE FEAR REGIONAL JETPORT / HOWIE	4019 LONG BEACH RD		SOUTHPORT	NC	FINDS
28461	1014394054	NCS000001629	BLUE SKY AVIATION	4019 LONG BEACH RD		SOUTHPORT	NC	RCRA-NonGen
28461	S117918102		BRUNSWICK COUNTY AIRPORT - OAK ISL	4019 LONG BEACH RD SE		SOUTHPORT	NC	NPDES
28461	S117928192		BRUNSWICK COUNTY AIRPORT PHASE II	4019 LONG BEACH ROAD		OAK ISLAND	NC	NPDES, COAL ASH
28461	U004190424		GOGAS 20	4450 LONG BEACH ROAD		SOUTHPORT	NC	UST
28461	1016619576	110004050945	MARTINS AUTO REBUILDERS INC	4652 LONG BEACH RD SE		SOUTHPORT	NC	FINDS
28461	1020583382		COASTAL CAR WASH	4922 LONG BEACH RD SE		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138586		K & S GAS & GRILL	4922 LONG BEACH ROAD		SOUTHPORT	NC	LUST, UST
28461	1007700348	110018569388	COASTAL CARWASH	4922 LONG BEACH ROAD		SOUTHPORT	NC	FINDS
28461	1001118499	NCR000004945	FLASHBACK 1 HR PHOTO	4961 10 LONG BEACH RD SE		SOUTHPORT	NC	RCRA-NonGen
28461	1016652208	110004055129	FLASHBACK 1 HR PHOTO	4961 10 LONG BEACH RD SE		SOUTHPORT	NC	FINDS
28461	1014956221	NCR000155135	CVS PHARMACY #7382	4961 LONG BEACH RD SE		SOUTHPORT	NC	RCRAInfo-LQG
28461	1016691548	110046410335	CVS PHARMACY #7382	4961 LONG BEACH ROAD SE, SUITE 1		SOUTHPORT	NC	FINDS
28461	U001186422	0-000562	THE BEACH CONNECTION REST	LONG BCH RD STAR RT # 5	**	SOUTHPORT	NC	UST
28461	U004139135		BEACH PANTRY	LONG BEACH	**	LONG BEACH	NC	UST
28461	1007696820	110018534059	BEACH PANTRY	LONG BEACH	**	LONG BEACH	NC	FINDS
28461	1022259658		GARNER JAMES O	LONG BEACH RD	**	SOUTHPORT	NC	EDR Historical Auto Stations

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1021725654		U FILLER UP INC	LONG BEACH ROAD	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021801630		U FILLER UP INC	LONG BEACH ROAD	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1007709688	110018662801	THE BEACH CONNECTION REST	LONG BEACH ROAD STAR RT # 5	**	SOUTHPORT	NC	FINDS
28461	1020350915		JIMMYS TRANSM & AUTO REPR	1412 LONGLEAF DR		SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004139680		BRUNSWICK COMMUNITY COLLEGE	705 N LORD ST		SOUTHPORT	NC	UST
28461	1007706616	110018632103	BRUNSWICK COMMUNITY COLLEGE	705 NORTH LORD STREET		SOUTHPORT	NC	FINDS
28461	U004248002		LOWES FUEL CENTER NO 235	3257 LOWES FOOD BLVD		OAK ISLAND	NC	UST
28461	S118755557		TERRY L. LEE PROPERTY	LTS 22 AND 23, BLOCK 8, HOWE S		SOUTHPORT	NC	
28461	2017195419			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2003647306			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2005778620			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2009901243			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2005764340			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2011977657			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2006815419			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2017200411			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2012022433			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2015122419			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2005783002			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2012027886			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2004738993			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2006805289			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2014095235			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2017200370			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2005758491			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2006818709			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	2006805734			#6A MARINA WYND		BALD HEAD ISLAND	NC	ERNS
28461	U004139660		BALD HEAD ISLAND MARINA	6A MARINA WYND		BALD HEAD ISLAND	NC	UST
28461	S108407946	32384	BALD HEAD ISLAND MARINA	8 MARINA WYND		BALD HEAD ISLAND	NC	LUST
28461	S109504740		PATTERSON, STEVE - SFR	3554 MEDINAH E		SOUTHPORT	NC	UIC
28461	1012183460	NCP032009008	THE OLD BOLDY FOUNDATION INC	2C MERCHANTS ROW		BALD HEAD ISLAND	NC	RCRA-NonGen
28461	1012106360	110038886989	THE OLD BOLDY FOUNDATION INC	2C MERCHANTS ROW		BALD HEAD ISLAND	NC	FINDS
28461	U004139239		DEPARTMENT OF THE ARMY	MILITARY OCEAN TERMINAL SUNNY PT	**	SOUTHPORT	NC	UST
28461	2003702264			MILITARY OCEAN TERMINAL-SUNNY POIN	**	SOUTHPORT	NC	ERNS
28461	S107780659		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	NPDES
28461	1000443194	28461PFZRNEA	ADM SOUTHPORT	1730 E MOORE ST SE		SOUTHPORT	NC	ICIS, IMD, TRIS
28461	S117916686		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	NPDES
28461	1016145934		SOUTHPORT MANUFACTURING FACILITY	1730 E MOORE ST SE		SOUTHPORT	NC	
28461	1005925555		ADM - SOUTHPORT	1730 E. MOORE ST., SE		SOUTHPORT	NC	TSCA
28461	98457687			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	99469928			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	2005749474			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	98434550			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	97413736			1730 EAST MOORE ST SE		SOUTHPORT	NC	ERNS
28461	1023968225	110070208347	E D & F MAN MOLASSES B.V.	1730 EAST MOORE STREET		SOUTHPORT	NC	RCRA-NonGen, FINDS
28461	1024034686		E D & F MAN MOLASSES B.V.	1730 EAST MOORE STREET		SOUTHPORT	NC	
28461	1014197515		ADM-SOUTHPORT	1730 EAST MOORE STREET SE		SOUTHPORT	NC	TSCA
28461	A100186616	10009	ADM COMPANY, SOUTHPORT PLANT	1730 EAST MOORE STREET, S.E.		SOUTHPORT	NC	AST
28461	1005925556		ADM - SOUTHPORT	1730 EAST MOORE STREET, SE		SOUTHPORT	NC	TSCA
28461	S121514491		ARCHER DANIELS MIDLAND COMPANY	1730 EAST MOORE STREET, SE		SOUTHPORT	NC	
28461	2000528719			1730 MOORE STREET EXTENTION		SOUTH PORT	NC	ERNS
28461	U004139039		BALD HEAD ISLAND MARINA	704 E. MOORE STREET		BALD HEAD ISLAND	NC	UST
28461	1005931458		PFIZER INC	E MOORE ST EXT		SOUTHPORT	NC	TSCA
28461	1015735156	NCD075578385	PFIZER INC	MOORE ST		SOUTH PORT	NC	CERCLIS-NFRAP, RCRA-CESQG
28461	91100702			MOORE ST EXT.	**	SOUTHPORT	NC	ERNS
28461	96371074			MOORE ST EXTENSION	**	SOUTH PORT	NC	ERNS
28461	97408170			MOORE ST EXTENSION	**	SOUTH PORT	NC	ERNS
28461	S112547809		PFIZER INC.	MOORE ST.		SOUTHPORT	NC	
28461	1003869562	NCD986215671	ARCHER DANIELS MIDLAND ADM PCB SP	MOORE ST. EXTN. P. O. BOX 10640	**	SOUTHPORT	NC	CERCLIS-NFRAP
28461	1005931461		PFIZER INC	MOORE STREET		SOUTHPORT	NC	TSCA
28461	92123070			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	92105779			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	92116775			MOORE STREET	**	SOUTHPORT	NC	ERNS
28461	94220392			MOORE STREET EXT	**	SOUTHPORT	NC	ERNS
28461	2002625259			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	98419244			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	96370553			MORRES STREET EXT	**	SOUTHPORT	NC	ERNS
28461	S115777503		TOM AND DIANA BLOOMER RESIDENCE	3172 MOSS HAMMOCK WYND LOT 76		SOUTHPORT	NC	UIC

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S104913542	16970	OHMS ELECTRIC (GENERATOR) - MOTSU	MOTSU BUILDINGS S-1 AND S-15	**	SOUTHPORT	NC	IMD
28461	98436812			MOUTH OF BALL HEAD ISLAND	**	BALL HEAD ISLAND	NC	ERNS
28461	1023655610	110070066420	TRUENORTH TRANSPORT, LLC	N/A	**	CAPE FEAR	NC	FINDS
28461	1020583461		NAUTICAL MILE SHELL SHOP	110 E NASH ST		SOUTHPORT	NC	EDR Historical Auto Stations
28461	96362797			1468 NICHOLS AVE		SOUTHPORT	NC	ERNS
28461	1014474758		CAROLINA POWER & LIGHT CO.	P. O. BOX 10429		SOUTHPORT	NC	MLTS
28461	S111161508		MATTHEW & PATRICIA O'CONNELL SFR	2740 OAK FOREST DR		SOUTHPORT	NC	UIC
28461	1021113931		JIFFY TACKLE SHOP	505 E OAK ISLAND	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020236302		JIFFY TACKLE SHOP	5201 E OAK ISLAND	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	S107504296	0-024203	JIFFY BAIT AND TACKLE	5201 OAK ISLAND DR.	**	LONG BEACH	NC	LUST TRUST, IMD, LUST
28461	1020314101		JERNIGANS UNICO SERVICE	6412 OAK ISLAND DR	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020523765		AMANS TEXACO SERVICE	OCEAN HIGHWAY & KAZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020902742		JOYCE HERMAN E	OCEAN HWY & 64TH ST	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1021300645		JOYCE HERMAN E	OCEAN HWY & 64TH ST	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020322637		JOYCE HERMAN E	OCEAN HWY & 64TH STREET	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1020295246		AMANS TEXACO SERVICE	OCEAN HWY & KAZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021755461		AMANS TEXACO SERVICE	OCEAN HWY AT KIZIAA ST	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1011594860	110013700726	WETLANDS (SPRUNT, LAURENCE)	OFF NC HWY. 87	**	WILMINGTON	NC	ICIS, FINDS
28461	94255100			2100 OLD BRIDGE RD	**	SOUTHPORT	NC	ERNS
28461	S117918452		AMERICAN FISH COMPANY BOAT & META	3600 OLD BRIDGE RD		SOUTHPORT	NC	NPDES
28461	1010226608	110029521051	AMERICAN FISH COMPANY BOAT & META	3600 OLD BRIDGE RD		SOUTHPORT	NC	FINDS
28461	U004139191		ADM SOUTHPORT	OLD RIVER ROAD	**	SOUTHPORT	NC	UST
28461	1007714169	110018707728	ADM SOUTHPORT	OLD RIVER ROAD	**	SOUTHPORT	NC	FINDS
28461	1009668644	110025394543	RESERVE DEVELOPMENT COMPANY, LIM	PALADIN DRIVE BRUNSWICK COUNTY	**	SOUTHPORT	NC	FINDS
28461	S102611334	17323	CITY OF SOUTHPORT-PARK AVE. LIFT ST	PARK AVE.	**	SOUTHPORT	NC	IMD, LUST
28461	U004138797		LIFT STATION	PARK AVENUE	**	SOUTHPORT	NC	UST
28461	1010019104	110027999628	THE RESERVE DEVELOPMENT CORPORA	PARKRIDGE DRIVE INSIDE THE RESERVE	**	SOUTHPORT	NC	FINDS
28461	1023963278	28461CGNTR12	CPI USA NORTH CAROLINA LLC	1281 POWER HO US E DR SE		SOUTHPORT	NC	TRIS
28461	S117919750		SOUTHPORT POWER PLANT	1281 POWER HOUSE DR SE		SOUTHPORT	NC	NPDES
28461	S121514494		CPI USA NORTH CAROLINA - SOUTHPOR	1281 POWER HOUSE DR SE		SOUTHPORT	NC	
28461	S122371300		NATIONAL SALVAGE & SERVICE SOUTH	1281 POWERHOUSE DR		SOUTHPORT	NC	
28461	1024138700		NATIONAL SALVAGE & SERVICE SOUTH	1281 POWERHOUSE DR	**	SOUTHPORT	NC	
28461	1016094968	110070236423	CPI POWER PLANT	1281 POWERHOUSE DR SE	**	SOUTHPORT	NC	FINDS
28461	1021425433		SAMPSON-BLADEN OIL CO INC	5043 S PRT SUP RD SE	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S113492239		PEGGY & ROBERT WATERMAN SFR	3058 W RANCH RD	**	SOUTHPORT	NC	NPDES
28461	S108407943	32381	SCHEID ESTATE	1040 RIVER ROAD	24, West, 1/2 - 1	SOUTHPORT	NC	LUST
28461	1007712611	110018692100	JOHN C. CAMPBELL ESTATE	124 RIVER DRIVE		SOUTHPORT	NC	FINDS
28461	U004139477		JOHN C. CAMPBELL ESTATE	124 RIVER DRIVE		SOUTHPORT	NC	UST
28461	S109504792		SHERROD, BILL - SFR	224 RIVER RD		SOUTHPORT	NC	UIC
28461	1009406330	110024940965	36592	234 RIVER ROAD		SOUTHPORT	NC	FINDS
28461	1021598721		RIVER ROAD TRADING POST	8109 RIVER RD		SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020750248		INA OIL COMPANY	8147 RIVER ROAD		SOUTHPORT	NC	EDR Historical Auto Stations
28461	2016006461		8470 RIVER RD	8470 RIVER RD		SOUTHPORT	NC	HMIRS
28461	1024019034	110070114290	BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	FINDS
28461	1016145872		BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	
28461	S117411875		BRUNSWICK STEAM ELECTRIC PLANT	8470 RIVER RD SE		SOUTHPORT	NC	NPDES
28461	S121514490		DUKE ENERGY PROGRESS, LLC - BRUNS	8470 RIVER ROAD		SOUTHPORT	NC	
28461	1007713269		DUKE ENERGY PROGRESS, LLC - BRUNS	8470 RIVER ROAD		SOUTHPORT	NC	
28461	2011990196			8470 RIVER ROAD, SE		SOUTHPORT	NC	ERNS
28461	2008870140			8470 RIVER ROAD, SE		SOUTHPORT	NC	ERNS
28461	1007720765	110018773950	OBSOLETE (CP L VISITOR MEDIA CENTEF	8520 RIVER ROAD		SOUTHPORT	NC	FINDS
28461	2017168631			8520 RIVER ROAD SE		SOUTHPORT	NC	ERNS
28461	1016661054	110004061844	THOMAS P LANGDON RESIDENCE	8696 RIVER RD SE		SOUTHPORT	NC	FINDS
28461	1004747345	NCS000000120	THOMAS P LANGDON RESIDENCE	8696 RIVER RD SE		SOUTHPORT	NC	RCRA-NonGen
28461	1011608455	110028154869	STEWART HARDWARE	8848 RIVER ROAD		SOUTHPORT	NC	ICIS, FINDS
28461	S106936294	32200	THOMPSON PROPERTY	8858 RIVER ROAD		SOUTHPORT	NC	IMD, LUST
28461	1000831916	NCD986215077	RIVER RUN CLEANERS	RIVER RUN CTR HWY 133 &		SOUTHPORT	NC	RCRA-CESQG
28461	S111445145		SULLYS OIL RECOVERY	10518 ROYSTER ROAD		LELAND	NC	SHWS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	S110493158		LOUIS AND CAROL PANIGUTTI SFR	2632 SAINT JAMES DR SE		SOUTHPORT	NC	UIC
28461	1010017486	110027983387	PANIGUTTI, LOUIS	2632 SAINT JAMES DRIVE SOUTH EAST		SOUTHPORT	NC	FINDS
28461	S113491649		SOUTHEAST BRUNSWICK SANITARY DIST	4362 SEAPINES DR SE		SOUTHPORT	NC	NPDES
28461	S103131775	17503	ADM PROPERTY-AWMS SPILLS	1791 SHEPPARD RD		SOUTHPORT	NC	IMD, LUST
28461	S105120389	23415	FOX SQUIRREL COUNTRY CLUB	591 SOUTH SHORE DRIVE		BOILING SPRINGS LAKE	NC	LUST TRUST, IMD, LUST
28461	S121514497		SOUTHPORT CONCRETE CORPORATION	3710 SKYVIEW LANE		SOUTHPORT	NC	
28461	1011827514		HIGHWAY 211 WATER TREATMENT PLAN	4305 SOUTHPORT SUPPLY RD. SE		SOUTHPORT	NC	RMP
28461	1020135444		SAMPSON-BLADEN OIL COMPANY INC	5043 SOUTHPORT SUP RD SE	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	U004138943		HAN-DEE HUGO'S 7	5043 SOUTHPORT SUPPLY RD		SOUTHPORT	NC	UST
28461	1007698316	110018549034	HAN-DEE HUGO S #7	5043 SOUTHPORT SUPPLY ROAD		SOUTHPORT	NC	FINDS
28461	1024164804		LOWE'S OF SOUTHPORT #682	5084 SOUTHPORT - SUPPLY ROAD SOUTI		SOUTHPORT	NC	
28461	S113492157		SOUTHPORT CROSSING WWTF	SOUTHPORT FERRY RD	**	SOUTHPORT	NC	NPDES
28461	2002613100			SOUTHPORT WEST W STREET		SOUTHPORT	NC	ERNS
28461	1018296151		BEAVERDAM CREEK WTP	4305 SOUTHPORT-SUPPLY HWY		SOUTHPORT	NC	ICIS
28461	1011827515		HIGHWAY 211 WATER TREATMENT PLAN	4305 SOUTHPORT-SUPPLY RD., SE		SOUTHPORT	NC	RMP
28461	S106799813	32211	HANDEE HUGO #7	5043 SOUTHPORT-SUPPLY ROAD		SOUTHPORT	NC	IMD, LUST
28461	U004139651		BRUNSWICK ELECTRIC MEMBERSHIP CO	4335 SOUTHPORT/SUPPLY RD		SOUTHPORT	NC	UST
28461	U001199955	0-021614	PUBLIC WORKS BUILDING	210 11TH ST		SOUTHPORT	NC	UST
28461	S117918409		SOUTHPORT MARINA	606 W ST - W		SOUTHPORT	NC	NPDES
28461	2004719023			606 W. ST.		SOUTHFORK	NC	ERNS
28461	2009925720			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2012010269			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2012030126			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2010936388			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014099933			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2015109527			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014084352			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014094441			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014081546			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2007850970			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014087334			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014096181			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014094488			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	2014098365			606 WEST ST.		SOUTHPORT	NC	ERNS
28461	1007710923	110018675183	BRUNSWICK COUNTY SCHOOLS	STAR RT HIGHWAY 133	**	SOUTHPORT	NC	FINDS
28461	1009662639	110025391065	LANVALE PROPERTIES LIMITED LIABILITY	STATE ROAD 1438 BRUNSWICK CO	**	SOUTHPORT	NC	FINDS
28461	1009403610	110024933802	CAMERON L SMITH AND SON PROPRTIE	STONE CHIMMIEY ROAD	**	SOUTHPORT	NC	FINDS
28461	1019995867		GLAM-O-RAMA OF SOUTHPORT	715HOWE STREET	**	SOUTHPORT	NC	EDR Historical Cleaners
28461	S120839943		CITY OF SOUTHPORT WASTEWATER TRE	901 WEST STREET		SOUTHPORT	NC	LUST
28461	U004139311		LIFT STATION	9TH STREET	**	SOUTHPORT	NC	UST
28461	S117056017		EDWARD AND TRACEY O'REILLY	2606 SUGAR MAPLE CT		SOUTHPORT	NC	UIC
28461	U003562945	0-022825	MILITARY OCEAN TERMINAL	6280 SUNNY POINT RD		SOUTHPORT	NC	LUST, UST
28461	1016114529	110006369839	MILITARY OCEAN TERMINAL / SUNNY POI	6280 SUNNY POINT RD		SOUTHPORT	NC	ICIS, FINDS
28461	S117919699		MILITARY OCEAN TERMINAL / SUNNY POI	6280 SUNNY POINT RD		SOUTHPORT	NC	NPDES
28461	2008859291			6280 SUNNY PORT ROAD		SOUTHPORT	NC	ERNS
28461	2008859085			6280 SUNNY PORT ROAD		SOUTHPORT	NC	ERNS
28461	2009910067			8290 SUNNY POINT ROAD	**	SOUTHPORT	NC	ERNS
28461	2009896126			8290 SUNNY POINT ROAD	**	SOUTHPORT	NC	ERNS
28461	1009776739	110027919625	CENTEX HOMES-MYRTLE BEACH	J SWAIN BOULEVARD BRUNSWICK COUN	**	SOUTHPORT	NC	FINDS
28461	S112337111		BALD HEAD ISLAND WASTE OIL	THE CHANDLER BLDG.	**	BLAD HEAD ISLAND	NC	
28461	1023650785	110070061292	DOSHER HELIPORT	UNKNOWN	**	SOUTHPORT	NC	FINDS
28461	S117056024		JOHN DELANEY RESIDENCE	304 W W ST		SOUTHPORT	NC	UIC
28461	2015117797			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	2015127330			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	2015121957			606 W WEST ST.		SOUTHPORT	NC	ERNS
28461	99501861			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005760786			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	99500353			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005756296			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2002612242			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2005761401			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2003637309			606 W WEST STREET		SOUTHPORT	NC	ERNS
28461	2013060903			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013037401			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013066028			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2013067816			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2011982219			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012017843			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012028245			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2012021227			606 W. WEST		SOUTHPORT	NC	ERNS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	2011972536			606 W. WEST		SOUTHPORT	NC	ERNS
28461	2003703072			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2013067987			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2014073063			606 W. WEST ST		SOUTHPORT	NC	ERNS
28461	2016158642			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2005773062			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018215018			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017181270			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018218107			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	S103130380	17933	SOUTHPORT MARINA, INC.	606 W. WEST ST.		SOUTHPORT	NC	IMD, LUST
28461	2005755163			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2018209333			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017176276			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018217622			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017184519			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017182933			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2004739648			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2016161694			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2016155710			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018221014			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2017178199			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015127736			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015134742			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2015135081			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018207991			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2018218225			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2004740238			606 W. WEST ST.		SOUTH PORT	NC	ERNS
28461	2016137556			606 W. WEST ST.		SOUTHPORT	NC	ERNS
28461	2016137132			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014089954			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018216335			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018218816			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014083959			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018205563			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2008869421			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2007853281			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	1017807677	110064221006	SOUTHPORT MARINA, INC.	606 W. WEST STREET		SOUTHPORT	NC	FINDS
28461	2017198209			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2018216338			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2017184337			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2010959185			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2010947215			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2014099646			606 W. WEST STREET		SOUTHPORT	NC	ERNS
28461	2003703759			606 WEST WEST ST.		SOUTH PORT	NC	ERNS
28461	2014082047			606 WEST WEST ST.		SOUTHPORT	NC	ERNS
28461	2001562489			606 WEST WEST ST.		SOUTH PORT	NC	ERNS
28461	1009403599	110024934400	36715	606 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	2018204316			606 WEST WEST STREET		SOUTHPORT	NC	ERNS
28461	2007842191			606 WEST WEST STREET		SOUTHPORT	NC	ERNS
28461	U004139242		FOSTERS MARKET	614 W WEST STREET		SOUTHPORT	NC	UST
28461	1007723893	110018805328	FOSTERS MARKET AND SUPPLY	614 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	U001201742	0-024410	WASTEWATER TREATMENT PLANT	901 W WEST STREET		SOUTHPORT	NC	UST
28461	1007710484	110018670810	SOUTHPORT, CITY OF	901 WEST WEST STREET		SOUTHPORT	NC	FINDS
28461	1020807895		SOUTHPORT MARINA INC	W WEST STREET	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	S105766101	17322	CITY OF SOUTHPORT WEST-WEST LIFT S	W. WEST ST.		SOUTHPORT	NC	IMD, LUST
28461	1017807676	110064220980	SOUTHPORT MARINA, INCORPORATED	WEST WEST STREET	**	SOUTHPORT	NC	FINDS
28461	U001200162	0-021919	SOUTHPORT MARINA, INC.	WEST WEST STREET		SOUTHPORT	NC	UST
28461	U004139218		LIFT STATION	WEST WEST STREET	**	SOUTHPORT	NC	UST
28461	1007725375	110018820150	BALD HEAD ISLAND MARINA	1 WHALEBONE CIRCLE	**	SOUTHPORT	NC	FINDS
28461	S112336777		BALDHEAD ISLAND DREDGE SPOIL S	WHALEBONE CIRCLE, BALD HEAD IS		SOUTHPORT	NC	
28461	S111826273		ARTHUR AND SHERRY DAUN, JR. SFR	4454 WILD RYE DR SE		SOUTHPORT	NC	UIC
28461	S117056019		MITCHELL RESIDENCE	314 WILLIS DR		SOUTHPORT	NC	UIC
28461	S110729216		WILLIAM & JANE HASELHOFF SFR	2588 WOODCREST LN		SOUTHPORT	NC	UIC
28461	97394236			100 YACHT BASIN DR		SOUTH PORT	NC	ERNS
28461	1015931553	110045583463	SOUTHPORT FISHMARKET	100 YACHT BASIN ST		SOUTHPORT	NC	FINDS
28461	93201479			100 YACHT BASIN ST		SOUTHPORT	NC	ERNS
28461	U001558666	0-033505	SOUTHPORT FISH MARKET CO	100 YACHT BASIN STREET		SOUTHPORT	NC	IMD, LUST, UST
28461	2008861830			106 YACHT BASIN STREET		SOUTH PORT	NC	ERNS
28461	1009778823	110027920276	CAPE FEAR TRADING GROUP IV LIMITED	115 YACHT BASIN		SOUTHPORT	NC	FINDS
28461	S110729226		MARK DIXON SFR	203 YAUPON DR		SOUTHPORT	NC	UIC

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
28461	1021881144		S & S BEACH STOP	701 YAUPON DR	**	LONG BEACH	NC	EDR Historical Auto Stations
28461	1007697871	110018544583	S AND S BEACH STOP	701 YAUPON DRIVE	**	YAUPON BEACH	NC	EDR Historical Auto Stations
28461	U001201298	0-023745	S & S BEACH STOP	701 YAUPON DRIVE	**	YAUPON BEACH	NC	UST
28461	1021057216		YAUPON EXXON	819 YAUPON DR	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1022053242		AMANS TEXACO SERVICE	YAUPON BEACH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1020351611		YAUPON EXXON	YAUPON BEACH	**	SOUTHPORT	NC	EDR Historical Auto Stations
28461	1021184309		AMANS TEXACO SERVICE	YAUPON DRIVE	**	SOUTHPORT	NC	EDR Historical Auto Stations

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: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/27/2018	Telephone: N/A
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/27/2018	Telephone: N/A
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: N/A
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/27/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 10

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 11/14/2018	Source: EPA
Date Data Arrived at EDR: 11/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 9	Next Scheduled EDR Contact: 01/28/2019
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (404) 562-8651
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 10/15/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 11/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/28/2018	Telephone: 703-603-0695
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 11/28/2018
Number of Days to Update: 17	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/24/2018
Date Data Arrived at EDR: 09/25/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 45

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
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: 07/19/2018
Date Data Arrived at EDR: 09/13/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 33

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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: 04/18/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 07/25/2018
Number of Days to Update: 28

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

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: 08/15/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 12/14/2017
Number of Days to Update: 64

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 10/21/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/02/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 11/07/2018	Telephone: 919-707-8200
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 11/07/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 11/02/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 11/07/2018	Telephone: 877-623-6748
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 11/07/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

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

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

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

Date of Government Version: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

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

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

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: 10/05/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 10/10/2018	Telephone: 919-733-1315
Date Made Active in Reports: 11/19/2018	Last EDR Contact: 10/10/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 12/20/2018
Number of Days to Update: 136	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/19/2018
Number of Days to Update: 12

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 11/07/2018
Next Scheduled EDR Contact: 02/18/2019
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: 06/29/2018
Date Data Arrived at EDR: 09/18/2018
Date Made Active in Reports: 10/15/2018
Number of Days to Update: 27

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/01/2019
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/26/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 10/26/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/04/2019
	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: 07/19/2018	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 09/13/2018	Telephone: 919-508-8400
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

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: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/19/2018
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 07/19/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 09/13/2018	Telephone: 919-508-8400
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

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

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: 09/04/2018	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 10/03/2018	Telephone: 919-733-4996
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 10/03/2018
Number of Days to Update: 12	Next Scheduled EDR Contact: 01/14/2019
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 09/18/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/18/2018	Telephone: 202-566-2777
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/18/2018
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 09/19/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 09/20/2018	Telephone: 919-707-8137
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 10/29/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/25/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/22/2018
Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/02/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/26/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 11/26/2018
Number of Days to Update: 49	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 08/13/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 12/12/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 12/17/2018	Telephone: 919-807-6308
Date Made Active in Reports: 12/18/2018	Last EDR Contact: 12/10/2018
Number of Days to Update: 1	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

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: 877-623-6748
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

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 12/03/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/12/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 11/16/2018
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/25/2019
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 08/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/25/2018	Telephone: 202-566-1917
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 11/05/2018
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 11/09/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 198	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 01/10/2018	Telephone: 202-566-0250
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 11/16/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/24/2018
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 703-416-0223
Date Made Active in Reports: 11/16/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 08/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/22/2018	Telephone: 202-564-8600
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 10/23/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 12/28/2018
Number of Days to Update: 36	Next Scheduled EDR Contact: 02/18/2019
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 10/11/2018
Number of Days to Update: 57	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/09/2018
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/21/2019
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: 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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 10/11/2018
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 12/05/2018
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 12/03/2018
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/18/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 10/26/2018
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/04/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 10/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2018	Telephone: 202-343-9775
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 10/03/2018
Number of Days to Update: 37	Next Scheduled EDR Contact: 01/14/2019
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

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: 10/30/2018
Next Scheduled EDR Contact: 02/11/2019
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: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/21/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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: 08/07/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 30

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 06/19/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 87

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/31/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/30/2018
Number of Days to Update: 71	Next Scheduled EDR Contact: 03/11/2019
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/22/2018	Source: EPA
Date Data Arrived at EDR: 08/22/2018	Telephone: 800-385-6164
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2019
	Data Release Frequency: Quarterly

AIRS: Air Quality Permit Listing

A listing of facilities with air quality permits.

Date of Government Version: 09/10/2018	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/13/2018	Telephone: 919-707-8726
Date Made Active in Reports: 10/16/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

ASBESTOS: ASBESTOS

Asbestos notification sites

Date of Government Version: 10/31/2018	Source: Department of Health & Human Services
Date Data Arrived at EDR: 12/04/2018	Telephone: 919-707-5973
Date Made Active in Reports: 12/18/2018	Last EDR Contact: 11/19/2018
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/04/2019
	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: 09/06/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 09/19/2018	Telephone: 919-807-6359
Date Made Active in Reports: 10/15/2018	Last EDR Contact: 09/19/2018
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2019
	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: 04/23/2018	Source: Department of Environment & Natural Resources
Date Data Arrived at EDR: 06/20/2018	Telephone: 919-508-8400
Date Made Active in Reports: 07/25/2018	Last EDR Contact: 12/21/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/01/2019
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2018
Date Data Arrived at EDR: 11/07/2018
Date Made Active in Reports: 11/19/2018
Number of Days to Update: 12

Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 11/07/2018
Next Scheduled EDR Contact: 02/18/2019
Data Release Frequency: Quarterly

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: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 12/20/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Hazardous waste financial assurance information.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/25/2018
Number of Days to Update: 43

Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

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

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/31/2018
Date Made Active in Reports: 11/19/2018
Number of Days to Update: 19

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 10/31/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of uncerground injection wells locations.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/13/2018
Date Made Active in Reports: 10/16/2018
Number of Days to Update: 33

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 11/30/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 03/09/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 90

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 12/14/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 11/12/2018
Date Data Arrived at EDR: 11/14/2018
Date Made Active in Reports: 12/04/2018
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/14/2018
Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/09/2018
Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/31/2018
Date Made Active in Reports: 12/20/2018
Number of Days to Update: 50

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/31/2018
Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/15/2018
Next Scheduled EDR Contact: 01/28/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/16/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/07/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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

AHA Hospitals:

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

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

Medical Centers: Provider of Services Listing

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

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

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

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix III – Parcel Information and Historical Research Documentation



Deep Point Marina Phase I ESA

1301 Ferry Road

Southport, NC 28461

Inquiry Number: 4998133.9

July 20, 2017

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

07/20/17

Site Name:

Deep Point Marina Phase I ES,
1301 Ferry Road
Southport, NC 28461
EDR Inquiry # 4998133.9

Client Name:

S&ME
3201 Spring Forest Road
Raleigh, NC 27616
Contact: Justin Ahn



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2000	1"=750'	Flight Date: March 06, 2000	USGS
1999	1"=750'	Flight Date: March 01, 1999	USGS
1993	1"=500'	Acquisition Date: February 24, 1993	USGS/DOQQ
1987	1"=500'	Flight Date: March 03, 1987	USGS
1983	1"=500'	Flight Date: March 13, 1983	USGS
1975	1"=500'	Flight Date: April 01, 1975	USGS
1969	1"=500'	Flight Date: April 08, 1969	USGS
1964	1"=500'	Flight Date: April 01, 1964	USGS
1958	1"=500'	Flight Date: November 21, 1958	USGS
1956	1"=500'	Flight Date: March 23, 1956	USDA

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INQUIRY #: 4998133.9

YEAR: 2012

— = 500'





INQUIRY #: 4998133.9

YEAR: 2010

— = 500'





INQUIRY #: 4998133.9

YEAR: 2009

— = 500'





INQUIRY #: 4998133.9

YEAR: 2008

— = 500'





INQUIRY #: 4998133.9

YEAR: 2006

— = 500'





INQUIRY #: 4998133.9

YEAR: 2005

 = 500'



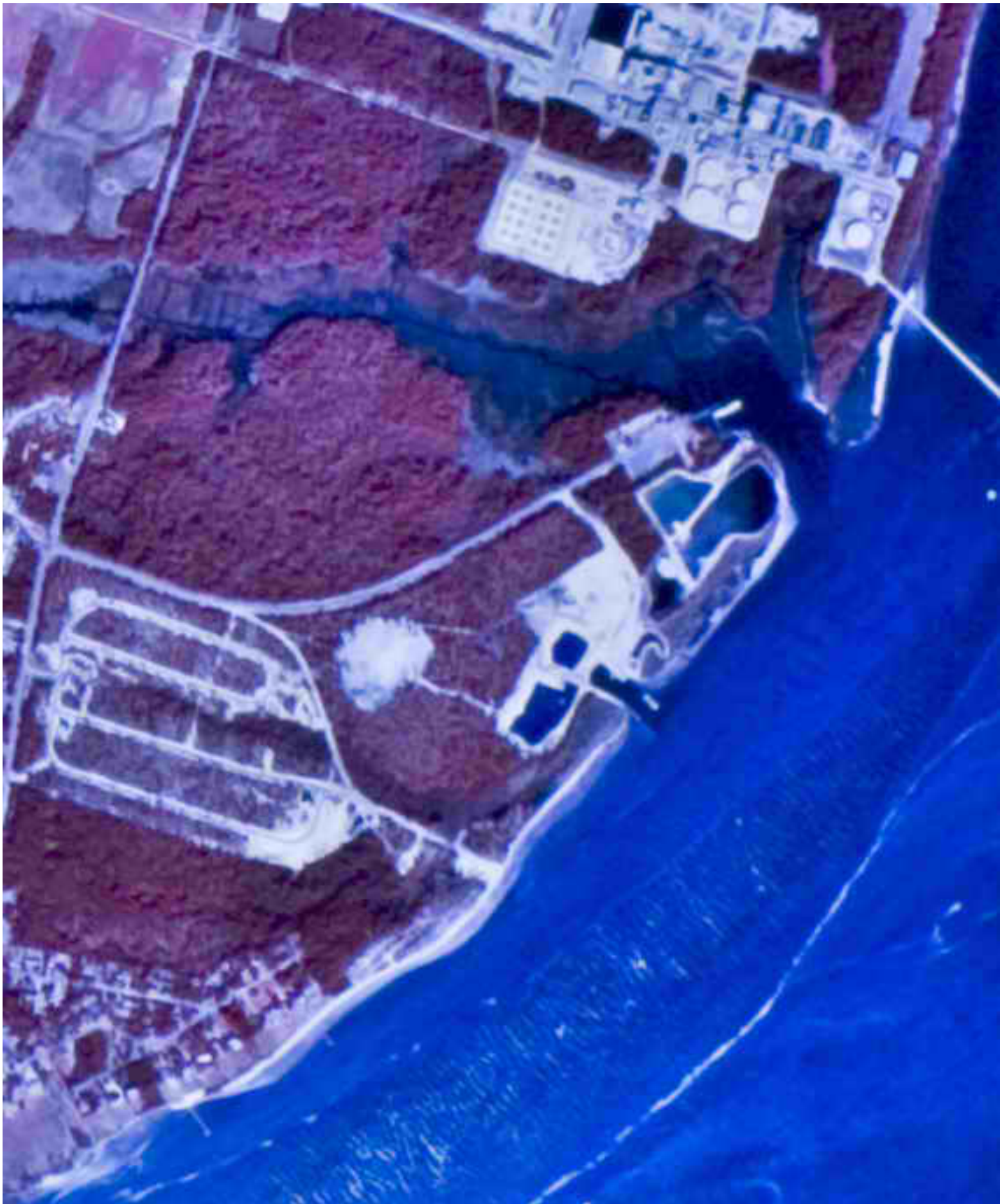


INQUIRY #: 4998133.9

YEAR: 2000

— = 750'





INQUIRY #: 4998133.9

YEAR: 1999

— = 750'





INQUIRY #: 4998133.9

YEAR: 1993

 = 500'





INQUIRY #: 4998133.9

YEAR: 1987

— = 500'





INQUIRY #: 4998133.9

YEAR: 1983

— = 500'





INQUIRY #: 4998133.9

YEAR: 1975

— = 500'





INQUIRY #: 4998133.9

YEAR: 1969

— = 500'





INQUIRY #: 4998133.9

YEAR: 1964

— = 500'





INQUIRY #: 4998133.9

YEAR: 1958

 = 500'





INQUIRY #: 4998133.9

YEAR: 1956

— = 500'



Deep Point Marina Phase I ESA

1301 Ferry Road

Southport, NC 28461

Inquiry Number: 4998133.4

July 19, 2017

EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/19/17

Site Name:

Deep Point Marina Phase I ES,
1301 Ferry Road
Southport, NC 28461
EDR Inquiry # 4998133.4

Client Name:

S&ME
3201 Spring Forest Road
Raleigh, NC 27616
Contact: Justin Ahn



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by S&ME were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	4305-17-125	Latitude:	33.930983 33° 55' 52" North
Project:	Deep Point Marina Phase I ES,	Longitude:	-77.997451 -77° 59' 51" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	222920.23
		UTM Y Meters:	3758551.43
		Elevation:	18.44' above sea level

Maps Provided:

2013
1999
1990
1979
1969, 1970
1946

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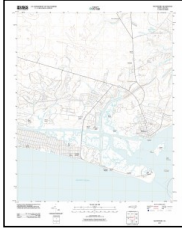
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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets

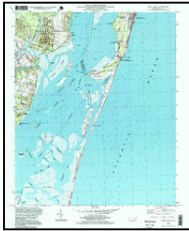


Southport
2013
7.5-minute, 24000



Kure Beach
2013
7.5-minute, 24000

1999 Source Sheets



Kure Beach
1999
7.5-minute, 24000
Aerial Photo Revised 1975

1990 Source Sheets



Southport
1990
7.5-minute, 24000
Aerial Photo Revised 1987

1979 Source Sheets

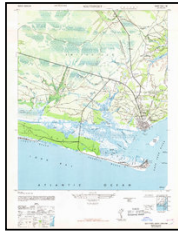


Kure Beach
1979
7.5-minute, 24000
Aerial Photo Revised 1975

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1969, 1970 Source Sheets



Southport
1969
7.5-minute, 24000
Aerial Photo Revised 1942



Kure Beach
1970
7.5-minute, 24000
Aerial Photo Revised 1969

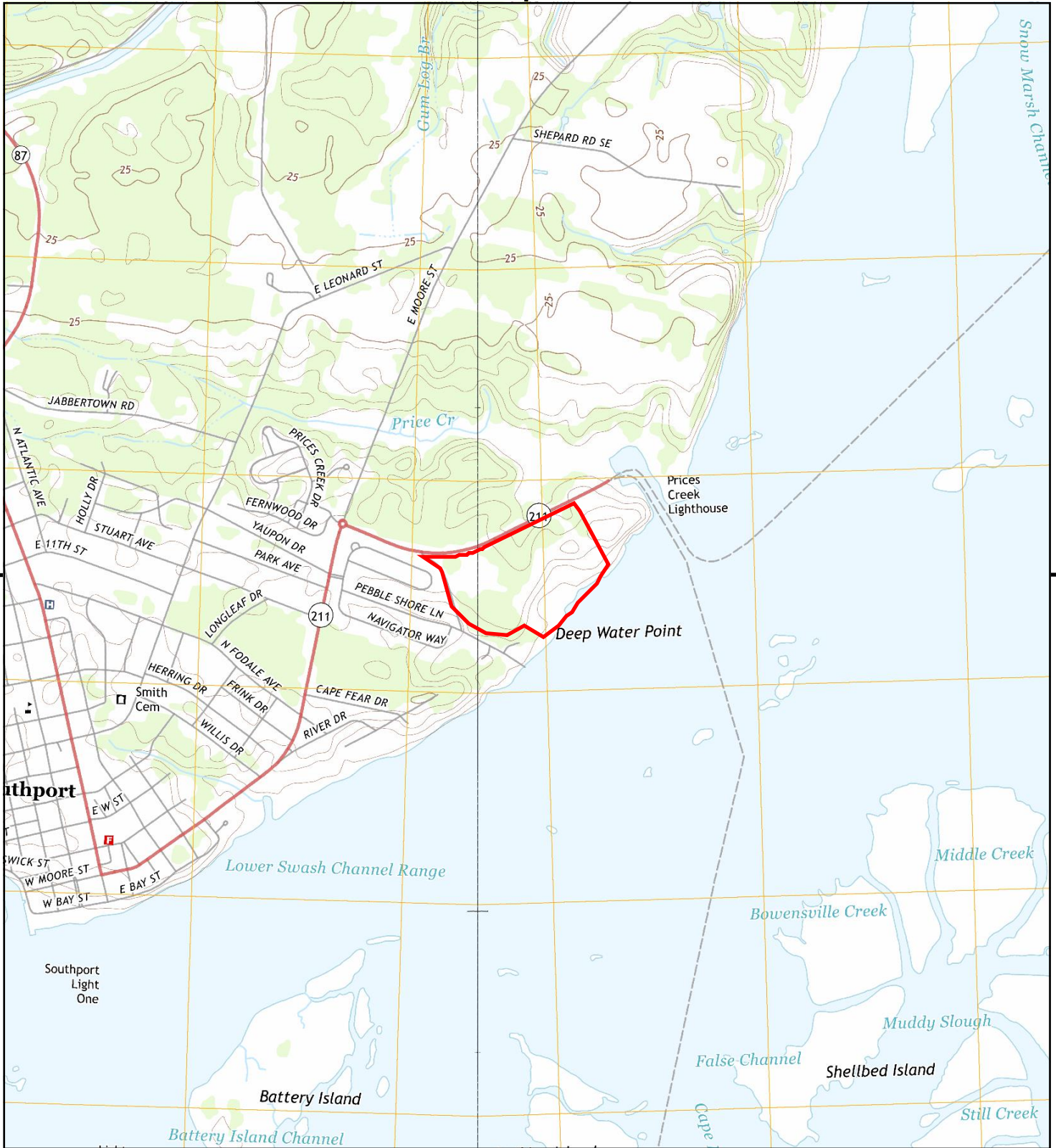
1946 Source Sheets



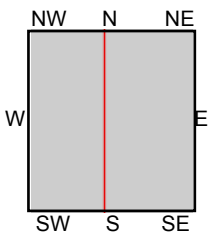
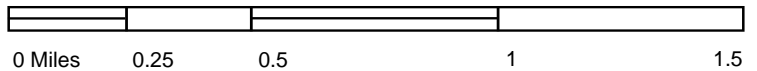
Southport
1946
7.5-minute, 24000
Aerial Photo Revised 1942



Snow Marsh
1946
7.5-minute, 24000
Aerial Photo Revised 1942



This report includes information from the following map sheet(s).



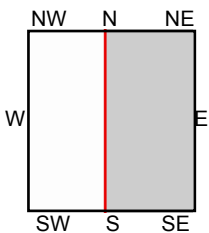
TP, Kure Beach, 2013, 7.5-minute
W, Southport, 2013, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
ADDRESS: 1301 Ferry Road
Southport, NC 28461
CLIENT: S&ME





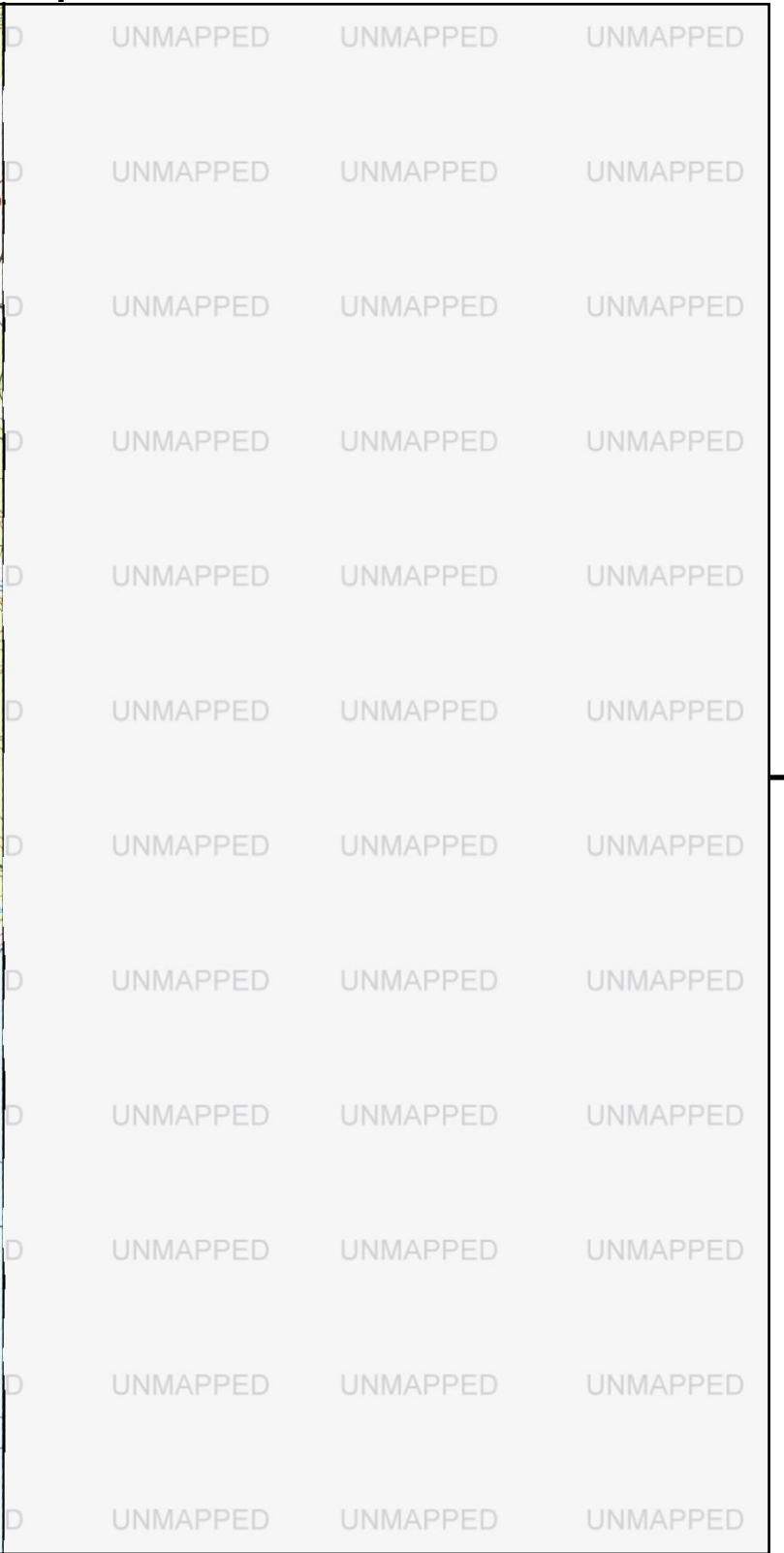
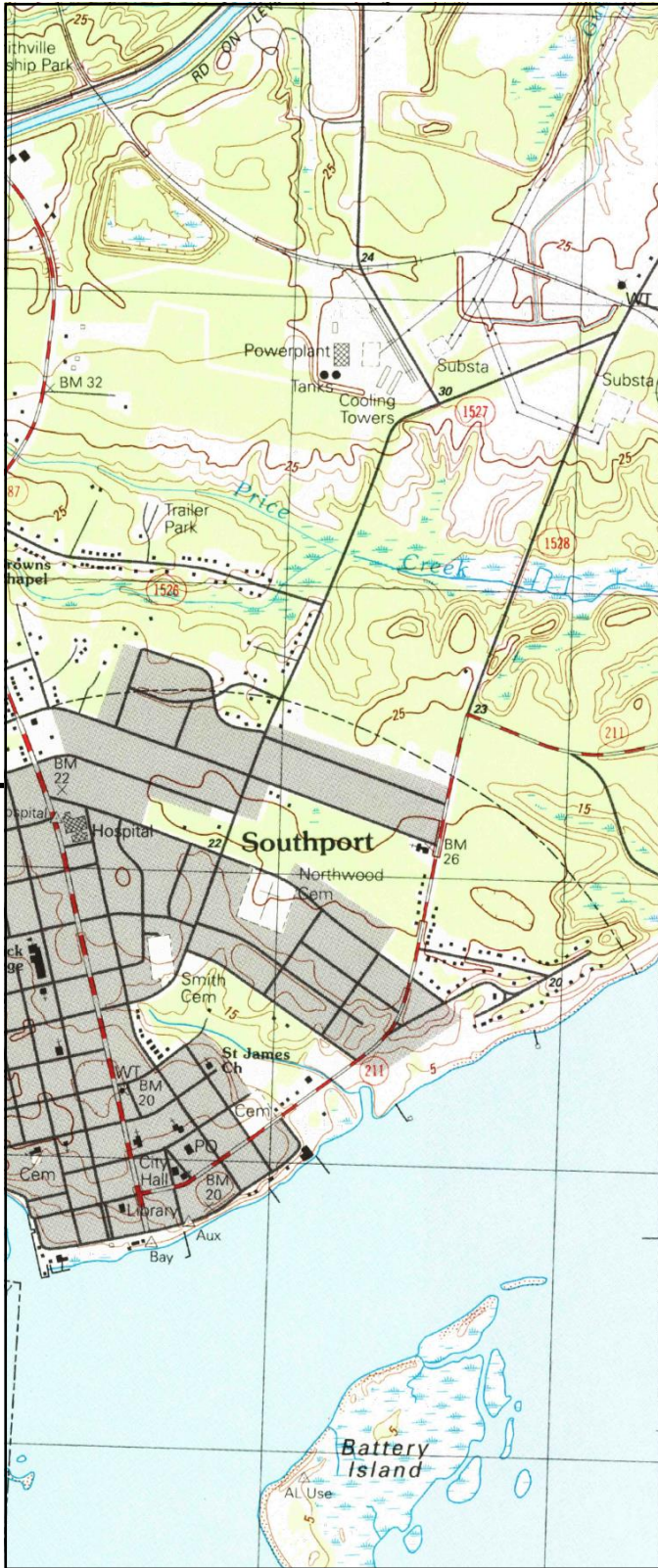
This report includes information from the following map sheet(s).



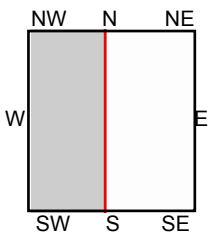
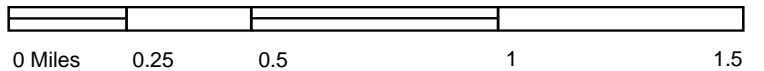
TP, Kure Beach, 1999, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
 ADDRESS: 1301 Ferry Road
 Southport, NC 28461
 CLIENT: S&ME





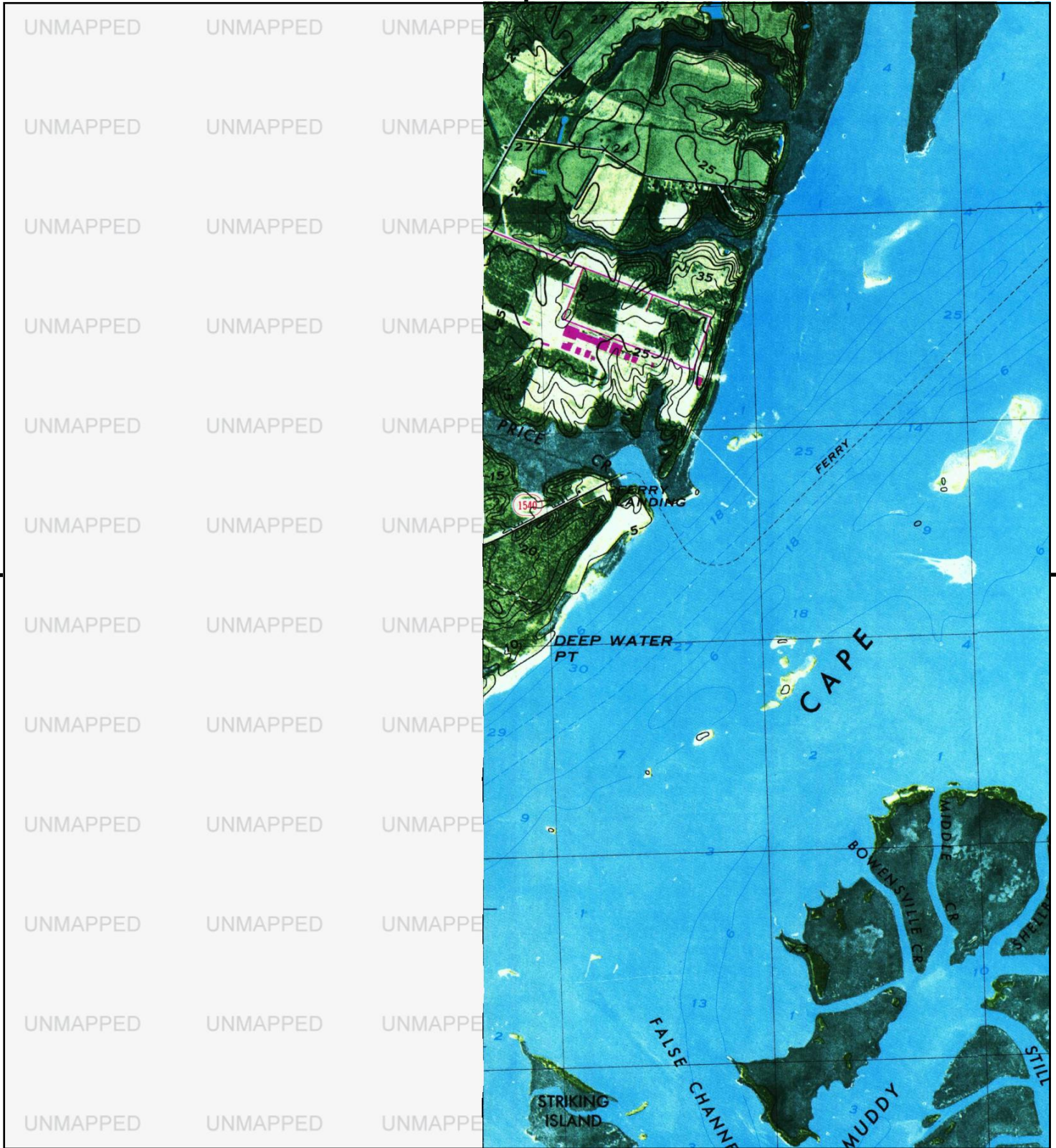
This report includes information from the following map sheet(s).



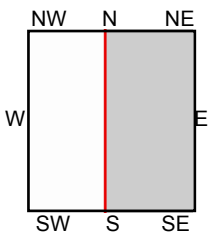
W, Southport, 1990, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
ADDRESS: 1301 Ferry Road
 Southport, NC 28461
CLIENT: S&ME





This report includes information from the following map sheet(s).



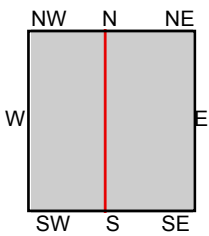
TP, Kure Beach, 1979, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
 ADDRESS: 1301 Ferry Road
 Southport, NC 28461
 CLIENT: S&ME





This report includes information from the following map sheet(s).



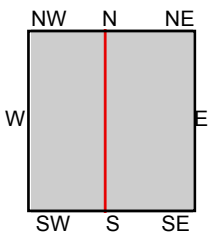
TP, Kure Beach, 1970, 7.5-minute
W, Southport, 1969, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
ADDRESS: 1301 Ferry Road
Southport, NC 28461
CLIENT: S&ME





This report includes information from the following map sheet(s).



TP, Snow Marsh, 1946, 7.5-minute
W, Southport, 1946, 7.5-minute

SITE NAME: Deep Point Marina Phase I ESA
ADDRESS: 1301 Ferry Road
Southport, NC 28461
CLIENT: S&ME



Deep Point Marina Phase I ESA

1301 Ferry Road

Southport, NC 28461

Inquiry Number: 4998133.3

July 19, 2017

Certified Sanborn® Map Report



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Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/19/17

Site Name:

Deep Point Marina Phase I ES,
1301 Ferry Road
Southport, NC 28461
EDR Inquiry # 4998133.3

Client Name:

S&ME
3201 Spring Forest Road
Raleigh, NC 27616
Contact: Justin Ahn



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # B18E-4308-8715
PO # 4305-17-125
Project Deep Point Marina Phase I ESA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: B18E-4308-8715

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- Library of Congress
- University Publications of America
- EDR Private Collection

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Deep Point Marina Phase I ESA

1301 Ferry Road
Southport, NC 28461

Inquiry Number: 4998133.5
July 21, 2017

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services

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FINDINGS

TARGET PROPERTY STREET

1301 Ferry Road
Southport, NC 28461

Year

CD Image

Source

FERRY RD

2013	pg A4	Cole Information Services	
2008	-	Cole Information Services	Target and Adjoining not listed in Source
2003	-	Cole Information Services	Target and Adjoining not listed in Source
1999	-	Cole Information Services	Target and Adjoining not listed in Source
1995	-	Cole Information Services	Target and Adjoining not listed in Source
1992	-	Cole Information Services	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

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

E MOORE ST

2013	pg. A2	Cole Information Services
2008	pg. A5	Cole Information Services
2003	pg. A7	Cole Information Services
1999	pg. A9	Cole Information Services
1995	pg. A11	Cole Information Services
1992	pg. A13	Cole Information Services

City Directory Images

E MOORE ST 2013

101	BULL FROG CORNER
102	CAPE FEAR JEWELERS
105	SOUTHPORT ANTIQUES
106	DUCK DUCK GOOSE
108	CELTIC HARP THE CREWMANS QUARTERS THE NITRO SECURITY
109	FAIRLEY WILLIAM F ATTORNEY GREEN RICHARD F ATTY ISENBERG MICHAEL R JESS ELVA L JESS ISENBERG & THOMPSON THOMPSON LAURA E ATTY AT LAW
110	PHARMACY RESTAURANT THE
111	NORTHROP ANTIQUES MALL
114	STATE PORT PILOT
115	THAI PEPPERS
120	OLD ELEGANCE ANTIQUES INC
121	OCEAN OUTFITTERS
122	JAMES MAYER TIMELESS TREASURES
129	DOSHER HOSPITAL VOLUNTEERS FLEA MARK
130	MOORE STREET MARKET
201	CITY OF SOUTHPORT COUNTY OF BRUNSWICK
204	FRIENDS OF THE NORTH CAROLINA NC MARITIME MUSEUM AT SOUTHPORT OCCUPANT UNKNOWN
205	ST PHILIPS EPISCOPAL CHURCH
209	KEITH ROGERS
222	OCCUPANT UNKNOWN
230	BRENDA CLOUSE
232	OCCUPANT UNKNOWN
301	BURTON MYERS
302	CONRAD C RICHARD DDS
307	VELMA RABON
309	OCCUPANT UNKNOWN
313	BELLCLEMMONS HOUSE B&B CHRISTOPHER BRANN COCO MILKWEED EVAN PARKER MELEAH WEBB
315	OCCUPANT UNKNOWN
319	OCCUPANT UNKNOWN
320	OCCUPANT UNKNOWN
408	MARTY LOUGHLIN
410	OCCUPANT UNKNOWN
507	PATRICIA MANNING
509	RICHARD SLOAN
511	GEORGE LATZY

E MOORE ST 2013 (Cont'd)

515	MICHAEL TRAVIS
520	JOSEPH MINTZ
701	HORACE SELLERS
703	DANA STUTZ
	PATS CLEANING SERVICE
707	OCCUPANT UNKNOWN
711	RONALD HOOD
712	JOHN BARBEE
715	EMILE GRONOVIOUS
719	RICHARD BOERA
804	PETE HART
806	KEVIN JONES
815	JERRY BRUTON
819	JIM KAUFMAN
906	CHARLES PERRY
1002	RICHARD DANJOLELL
1004	OCCUPANT UNKNOWN
1005	KRISTY LEWIS
1006	RICHARD BURRIS
1008	WILLIAM MCKAY
1009	BARBARA RHODES
1010	JEFF KRUSE
1011	MICHAEL MOTLEY
	MICHAEL MOTLEY PLUMBING
1012	OCCUPANT UNKNOWN
1013	ELMER HODSON
1015	STANLEY TAYLOR
1017	EVELYN MCNEILL
1025	SOUTHPORT PRESBYTERIAN CHURCH
1101	KARL YETTER
1103	JOHN FLOYD
1105	BRYAN WESSELL
1107	CARL CANTALUPPI
1205	AMOS MADREN
1207	ROB GANDY
1379	RONALD TOMCHO
1730	A D M
1773	ANGIE JOHNSON

Target Street

Cross Street

Source

✓

-

Cole Information Services

FERRY RD 2013

1301	BALD HEAD ISLAND LIMITED
	BALDHEAD ISLAND COUNTRY CLUB
1350	N C STATE OF HIGHWAY COMMISSION FERR

E MOORE ST 2008

101	BULL FROG CORNER
102	CAPE FEAR JEWELERS
105	SOUTHPORT ANTIQUES & APPRAISALS
106	DUCK DUCK GOOSE
108	GOOD SHIP LOLLIPOP
110	PHARMACY RESTAURANT
111	NORTHROP ANTIQUES MALL
112	ANTIQUE ANNEX
	ETCETERA INC
	OF CADDELL INC
114	STATE PORT PILOT
115	SOUTHPORT GOURMET ENTERPRISES
	THAI PEPPERS
120	BALD HEAD ISLE RENTALS
122	TIMELESS TREASURES
129	DOSHER HOSPITAL VOLUNTEERS
130	UNDER THE EAVES
201	CITY OF SOUTHPORT
	OCCUPANT UNKNOWN
204	E ROMERO
	KYLE HAMPTOM
205	ST PHILIPS EPISCOPAL CHURCH
209	KEITH ROGERS
222	MARLIN UTZ
230	JAMES MEEHAN
232	OCCUPANT UNKNOWN
301	BURTON MYERS
302	CONRAD C RICHARD DDS
307	JAMES RABON
309	BEVERLY SMITH
313	CHRISTOPHER BRANN
	MARILYN AITKEN
	WALTER DEALE
314	BILL SNETSINGER
315	JACQUELINE PATTON
319	OCCUPANT UNKNOWN
320	OCCUPANT UNKNOWN
408	JOSEPH LOUGHLIN
410	OCCUPANT UNKNOWN
507	PATRICIA MANNING
509	RICHARD SLOAN
511	GEORGE LATZY
515	ROBERT SCHAEFER
520	JOSEPH MINTZ
701	OCCUPANT UNKNOWN
703	DANA STUTZ
707	PAUL COCHRAN
708	MARSHA CROUSON
	PAINTING EVERYWHERE LTD
711	RONALD HOOD

E MOORE ST 2008 (Cont'd)

712	JOHN BARBEE
715	O GRONOVIOUS
719	RICHARD BOERA
804	ARTHUR HART
806	OCCUPANT UNKNOWN
815	JERRY BRUTON
819	JIM KAUFMAN
902	W OWEN
906	CHARLES PERRY
1002	HIRAM BRINSON
1004	SYLVIA BROWN
1005	OCCUPANT UNKNOWN
1006	PETER WITT
1008	WILLIAM MCKAY
1009	THE BENEDICT FOUNDATION
1010	JEFF KRUSE
1011	MICHAEL MOTLEY
	MICHEAL MOTLEY PLUMBING
1012	ROY DANIEL
	WOODCHUCK BUILDERS INC
1013	ELMER HODSON
1015	MARY TAYLOR
1017	PAUL MCNEILL
1025	SOUTHPORT PRESBYTERIAN CHURCH
1103	JOHN FLOYD
1105	BRYAN WESSELL
1107	FRANCHESKA RIVERA
1205	AMOS MADREN
	ETC SHELLS
1207	ROB GANDY
1379	RONALD TOMCHO
1730	A D M FOOD ADDITIVES INC
	ADM CO
	ARCHER DANIELS MIDLAND CO
	MERIT JE CONSTRUCTORS INC
1753	OCCUPANT UNKNOWN
1773	ANGIE JOHNSON

E MOORE ST 2003

101	BULL FROG CORNER OCCUPANT UNKNOWN
102	CAPE FEAR JEWELERS
104	ROBERT ENDRES
105	BRIAN HENNESSEY OCCUPANT UNKNOWN SOUTHPORT ANTIQUES SOUTHPORT WIRELESS
106	STANLEY MORGAN
108	GOOD SHIP LOLLIPOP
109	ISENBERG MICHAEL R ATTY JESS ELVA L ATTY THOMPSON LAURA E ATTY AT LAW
110	OCCUPANT UNKNOWN PHARMACY
111	NORTHROP ANTIQUES MALL INC OCCUPANT UNKNOWN
112	CADDELL INC ETCETRA OCCUPANT UNKNOWN
114	BRADLEY BARNES CONSTRUCTION
115	THAI PEPPERS
120	CAPE FEAR REALTY CFR MARKETING LLC LUMINA MORTGAGE CO RODNEY HYSON
121	OCCUPANT UNKNOWN
122	A DAVIS
129	DOSHER HSPTL VLNTR FLEA MRKT DOSHER MEMORIAL
130	PRINCE OF BRUNSWICK
201	CITY OF SOUTHPORT SOUTHPORT CITY OF CITY MANAGER SOUTHPORT CITY OF PUBLIC SRVC SOUTHPORT POLICE DEPT STHPRT CITY OF CITY CLERK CITY
203	OCCUPANT UNKNOWN
204	D PHILLIPS E ROMERO
209	KEITH ROGERS ROGERS CARSON & COURT
213	OCCUPANT UNKNOWN
222	REGISTER BUILDING CORP RICK REGISTER
230	OCCUPANT UNKNOWN
232	JOHN PRICE
301	BURTON MYERS
302	CLYDE CONRAD
306	OCCUPANT UNKNOWN
309	OCCUPANT UNKNOWN

E MOORE ST 2003 (Cont'd)

314	BILL SNETSINGER
315	CARSON LAWRENCE
320	O HART
408	OCCUPANT UNKNOWN
507	P MANNING
509	BOB LOCKSMITH SERVICE
	ROBERT BEADLE
511	GEORGE LATZY
520	JOSEPH MINTZ
701	JOAN COLE
703	OCCUPANT UNKNOWN
707	PAUL COCHRAN
708	WALTER HARRELSON
715	O GRONOVIOUS
800	EUGENE TOMLINSON
	LEIGH W TOMLINSON
804	OTHO HART
806	KEVIN JONES
819	SUSAN KAUFMAN
902	W OWEN
906	CHARLES PERRY
1002	LINDA BRINSON
1004	SYLVIA BROWN
1005	OCCUPANT UNKNOWN
1006	ERICKSON EVENTS INC
	OCCUPANT UNKNOWN
1008	WILLIAM MCKAY
1009	BARBARA RHODES
1011	MICHAEL MOTLEY
	MICHAEL MOTLEY PLUMBING MOTLE
	PATRICIA BENSON
1012	ROY DANIEL
	WOODCHUCK BUILDERS INC
1013	ELMER HODSON
1015	MARY TAYLOR
1017	TERRY MCNEILL
1025	MCKENZIE BANQUET HALL
1103	JOHN FLOYD
1105	JOHN FIRTH
1107	MICKEY CLARK
1205	VAUGHAN TOWERS
1207	PATRICIA MESSERSMITH
1379	HANH DANG
1730	ARCHER DANIELS MIDLAND
	OCCUPANT UNKNOWN
	PFIZER INC
1753	OCCUPANT UNKNOWN
1773	OCCUPANT UNKNOWN

E MOORE ST 1999

102	CAPE FEAR JEWELERS
105	CENTURY 21 DOROTHY ESSEY & ASSOCIATE INCORPORATED
109	FAIRLEY WILLIAM F ATTORNEY
	GREEN RICHARD F ATTORNEY
	ISENBERG MICHAEL R ATTORNEY
	JESS ELVA L ATTORNEY
110	OCCUPANT UNKNOWN
	PHARMACY THE
111	NORTHROP ANTIQUES MALL
112	ETCETERA
115	THAI PEPPERS
120	CAROLINA SECURITY INSURANCE GROUP
122	DAVIS BUNCH NICOLE
	DAVIS DRY GOODS
129	DOSHER HOSPITAL VOLUNTEERS FLEA MARKET
130	PRINCE OF BRUNSWICK
201	SOUTHPORT CITY OF
	SOUTHPORT CITY OF CITY MANAGER
	SOUTHPORT CITY OF FINANCE DIRECTOR
	SOUTHPORT CITY OF PUBLIC SERVICE DIRECTOR
	SOUTHPORT CITY OF SOUTHPORT 2000
	SOUTHPORT CITY OF TAX DEPARTMENT
	SOUTHPORT CITY OF UTILITY BILLING DEPARTMENT
	SOUTHPORT POLICE DEPARTMENT
204	ROBERT WHITE
209	KEITH ROGERS
	ROGERS CARSON & COURT
213	OCCUPANT UNKNOWN
222	KEVIN JONES
230	OCCUPANT UNKNOWN
232	JOHN PRICE
301	MYERS BURTON CPA
	OCCUPANT UNKNOWN
302	C CONRAD
	CONRAD C RICHARD DDS
307	JAMES RABON
309	INVESTMENT MANAGEMENT & RESEARCH INCORPORATED
	OCCUPANT UNKNOWN
313	ALBERT COX
	ARTHUR JONES
314	WILLIAM HILGER
315	ALLISON FRENETTE
	CAPE FEAR PROVISIONERS
	THOMAS HARRINGTON
320	O HART
408	OCCUPANT UNKNOWN
507	P MANNING
509	BEADLE OLIVER
	ROBERT BEADLE
511	GEORGE LATZY

E MOORE ST 1999 (Cont'd)

515	DON JOHNSON
701	JOAN COLE
703	OCCUPANT UNKNOWN
704	OCCUPANT UNKNOWN
707	PAUL COCHRAN
708	WALTER HARRELSON
711	M HOOD
712	JOHN BARBEE
715	EMILE GRONOVIOUS
719	D SWAIN
800	HARBORVIEW ANTIQUES TOMLINSON LEIGH W
804	PETE HART
806	OCCUPANT UNKNOWN
815	OCCUPANT UNKNOWN PAMELA BRUTON
819	JIM KAUFMAN
902	W OWEN
906	CHARLES PERRY
1002	LINDA BRINSON
1004	SYLVIA BROWN
1005	OCCUPANT UNKNOWN
1006	JANIS BROCK
1008	WILLIAM MCKAY
1010	BONNIE ROGERS
1011	OCCUPANT UNKNOWN
1012	JULIA DANIEL
1013	ELMER HODSON
1015	MARY TAYLOR R MCKAY
1017	KEENAN JONES PAUL MCNEILL
1025	SOUTHPORT PRESBYTERIAN CHURCH
1103	JOHN FLOYD
1105	JOHN FIRTH
1107	TERESA CLARK
1205	VAUGHAN TOWERS
1207	P MESSERSMITH
1379	HANH DANG
1773	GLADYS JOHNSON
5000	A D M

E MOORE ST 1995

0	NC NATURAL GAS CORP WHATLEY, GEORGE
101	KIRBY PRESCRIPTION CTR TAYLOR, M L
102	C & S JEWELERS LTD
105	CROWS NEST GRILL
107	OSC ANTIQUES & GIFTS
108	ANTIQUE MALL
109	ISENBERG, MICHAEL R JESS, ELVA L WALTON, RAY H
110	CAPE FEAR CATERERS MIDYETTE, ROBERT J PHARMACY RESTAURANT
111	NORTHROP MALL
112	ETCETERA
115	OCCUPANT UNKNOWNN THAI PEPPERS
120	BILL KIRBY CAROLINA SECURITY INSURANCE CAROLINA SECURITY INSURANCE GROUP KIRBY INS CENTRE OCCUPANT UNKNOWNN
121	LEGGETTS STORES
122	OCCUPANT UNKNOWNN
130	OCCUPANT UNKNOWNN
201	CITY MANAGER FINANCE DIRECTOR SOUTHPORT CITY HALL SOUTHPORT POLICE DEPT SOUTHPORT STEVENS PARK SOUTHPORT TAX DEPT SOUTHPORT UTILITY DEPT
203	OCCUPANT UNKNOWNN
204	CARTER, A DICKERSON, LEROY W
205	HON, C R
209	ROGERS, KEITH
213	WALLACE, LINDA B
222	CORBETT, S G
230	ARNOLD, IRENE
232	PRICE, JOHN J
301	BURTON MYERS MYERS, BURTON
302	C RICHARD CONRAD DDS CONRAD, CLYDE R JOHN F WHITE DDS
307	RABON, JAMES R
309	BARLETTA, M MOORE, MERRITT

E MOORE ST 1995 (Cont'd)

313	COX, ALBERT M
314	HILGER, WILLIAM R
315	BLAND, GREG
	MILLER, STEPHEN P
319	OCCUPANT UNKNOWNN
320	HART, O B
408	OCCUPANT UNKNOWNN
507	MANNING, P B
509	BEADLE, ROBERT W
	OLIVER, MARY L
511	LATZY, GEORGE R
515	JOHNSON, DON
701	COLE, JOAN E
703	OCCUPANT UNKNOWNN
704	ENERGY SVCS GROUP
	OCCUPANT UNKNOWNN
707	COCHRAN, PAUL W
711	HOOD, M M
712	BARBEE, JOHN L
715	GRONOVIOUS, EMILE
	HENSHAW, DOTTY W
719	SWAIN, DEARMON
800	TOMLINSON, LEIGH W
804	HART, PETE
815	BRUTON, PAMELA B
819	KAUFMAN, JIM
902	OCCUPANT UNKNOWNN
906	PERRY, CHARLES H
1002	AGNER, MICHAEL L
	LAWNSCAPES LTD
1004	BROWN, S F
1005	COCKRELL, BILL
1006	UPCHURCH, JEROME
1008	OCCUPANT UNKNOWNN
1010	ROGERS, ALBERT
1011	SANDNER, HEATHER E
1012	DANIEL, JULIA S
1013	HODSON, ELMER C
1015	MCKAY, RUTH
1017	MCNEILL, PAUL T
1025	SOUTHPORT PRESBYTERIAN
1103	OCCUPANT UNKNOWNN
1105	MCPAHAN, RAYMOND
1205	TOWERS, VAUGHAN
1207	MESSERSMITH, P J
1379	PFIZER, HOUSE
1753	OCCUPANT UNKNOWNN
1773	JOHNSON, GLADYS S

E MOORE ST 1992

0 ADM HOUSE RESIDENCE
 ADVANCED WASTE MANAGEMENT SERVICES
 INMAN CONSTRUCTION CO
 WHATLEY, GEORGE
 102 C & S JEWELERS LTD
 106 BARBEE INS AGCY
 CARR INSURANCE & RLTY
 108 LEDGETT D A ATTY
 109 FAIRLEY JESS & ISENBERG ATTYS
 FAIRLEY WM F ATTY
 ISENBERG MICHAEL R ATTORNEY
 JESS ELVA L ATTY
 WALTON RAY H ATTY
 110 CAPE FEAR CATERERS
 MIDYETTE R J
 MIDYETTE, ROBERT J
 NEWTON, ALEASE C
 PHARMACY RESTRNT
 111 NORTHUP MALL
 115 ANTIQUE ANNEX I II III
 TURTLE CAFE THE
 120 EASLEY BAIN PA ATTY
 EASLEY MARY P ATTY
 EASLEY MICHAEL F ATTY
 122 PIRATES TREASURES
 130 FAITH'S SERVICES
 WALKER, H R
 201 BRUNSWICK CO MAGISTRATE'S OFC
 SOUTHPORT 2000
 SOUTHPORT CITY HALL
 TAX DEPT
 UTILITY BILLING DEPT
 203 ARNOLD, IRENE
 204 SMITH, GEORGE W
 205 HON, C R
 232 PRICE, JOHN
 301 MYERS BURTON CO CPA
 MYERS BURTON K CPA
 MYERS, BURTON K
 302 CONRAD C R DR DNTST
 CONRAD, CLYDE R
 307 RABON, JAMES R
 313 COX, ALBERT M
 TAYLOR, STAN
 314 HILGER, WILLIAM R
 315 LANKSHEAR, RONALD F
 320 HART, O B
 507 MANNING, P B
 509 BEADLE, ROBERT W
 OLIVER, JOHN S

E MOORE ST 1992 (Cont'd)

511 HOUGHTON, WILLIAM W
515 JOHNSON, DONALD K
701 COLE, JOAN E
703 LEE, CHARLES J
704 ACCOUNTING
POLICE FIRE AMBLNC
PUBLIC SAFETY OFC
TOWN HALL
707 COCHRAN, PAUL W
708 BARBEE, JOHN L
711 HOOD, M M
719 SWAIN, D
800 TOMLINSON, LEIGH W
804 HART, PETE
806 FREDERICKS, THOMAS D
815 BRUTON, CORBIN A
PURSER, LUCY
819 KAUFMAN, JIM
902 FEEHAN, WILLIAM R
906 PERRY, CHARLES H
1002 AGNER, MICHAEL L
1004 BROWN, S B
1005 GORE, ERNEST F
1006 UPCHURCH, JEROME
1010 ROGERS, ALBERT
1011 WALTERS, HELEN B
1012 DANIEL, JULIA S
1013 HODSON, ELMER C
1015 MCKAY, RUTH
TAYLOR, MARY L
1017 MCNEILL, PAUL T
1025 SOUTHPORT PRESBY CH
1105 MCMAHAN, RAYMOND
1207 BRUNSWICK ADULT DAY CARE INC

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix IV – File Review Information and Vapor Encroachment Screening



VAPOR ENCROACHMENT SCREENING

S&ME has conducted a Phase I Environmental Site Assessment (ESA) for the subject property located at 1301 Ferry Road in Southport, Brunswick County, North Carolina. The Phase I ESA was performed in accordance with American Society for Testing and Materials (ASTM) E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM 2013), which requires the consideration of confirmed or potential releases of hazardous substances and/or petroleum products that may pose a threat of contamination to the subject property, including an evaluation of the potential migration of vapors. The evaluation of potential migration of contaminant vapors for this Phase I ESA, herein referred to as a Tier 1 Vapor Encroachment Screening (VES), was accomplished utilizing procedures described as Tier 1 Screening in ASTM E2600-15, Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (ASTM 2015) and, if applicable, using the refined search distances presented by Buonicore (2009), as described below.

Purpose

The purpose of this VES is to assist in evaluating the existence of Vapor Encroachment Conditions (VECs) at the subject property. The VES was performed to identify releases or potential releases of chemicals of concern on or near the subject property and to evaluate the likelihood of vapors migrating from the releases via the subsurface to the subject property. The presence or likely presence of vapors containing chemicals of concern in the subsurface of the subject property constitutes a VEC, and may also constitute a recognized environmental condition (REC), as defined by ASTM E1527-13.

Evaluation Process

The following information was reviewed during the Tier 1 VES to identify releases or potential releases of chemicals of concern on or near the subject property and to evaluate the likelihood of vapors migrating from the releases via the subsurface to the subject property:

- ◆ The type of contaminant (petroleum product vs. non-petroleum product known or suspected to have been stored on-site or at identified off-site sources;
- ◆ The distance between identified off-site sources and the nearest subject property boundary;
- ◆ Information of known or assumed groundwater flow directions(s) with respect to the subject property;
- ◆ The potential for preferential pathways or barriers to exist between the identified off-site sources and the subject property boundary; and,
- ◆ Physical setting and other information sources.

The ASTM E 2600-15 Tier 1 Screening process recommends initial screening distances to estimate contaminant plume length and width with no empirical plume data. In cases where the direction of groundwater flow is known or can be reasonably assumed, those distances were refined under a conservative scenario using calculations presented by Buonicore (2009). The resulting vapor screening distances (i.e., distances from a potential off-site contaminant source to the nearest boundary of the subject property) are presented in Table 1 with respect to the type of contaminant and the known or presumed direction of groundwater flow.



Table 1 - VES Area of Concern (AOC) Screening Distances

Contaminant Type	Source Location with respect to the nearest Subject Property boundary and considering known or assumed groundwater flow direction ⁽³⁾		
	Up-gradient	Cross-gradient	Down-gradient
Non-petroleum COC ⁽¹⁾ (see ASTM E 2600-15, Appendix X6)	1,760 feet (1/3 rd mile)	365 feet	100 feet
Petroleum COC NAPL ⁽²⁾	528 feet (1/10 th mile)	165 feet	100 feet
Petroleum COC Dissolved	528 feet (1/10 th mile)	95 feet	30 feet

Notes: (1) COC – Chemicals of Concern
 (2) NAPL – Non Aqueous Phase Liquid (i.e., free product)
 (3) Groundwater Flow Direction – if not known or assumed, use search distance of 1,760 feet for up-gradient, cross-gradient, and down-gradient

Results

Based on our review of information collected as part of the Phase I ESA process, the subject property was not identified as a potential vapor contaminant source.

Table 2 - Identified Potential Contaminant Sources

Contaminant Source	Distance, direction, and groundwater flow direction (with respect to nearest subject property boundary)	Contaminant Type and Screening Distance	Vapor Encroachment Condition Determination
Southport Ferry – Product Line Leak	Approximately 200 feet, east, downgradient	Petroleum (NAPL) 100 feet	VEC does not exist

Conclusion

Based on the processes described herein, the following conclusion was drawn from this VES:

- A VEC with respect to the subject property **does not exist** within the VES AOC screening distances



References

- American Society for Testing and Materials. 2013. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13, Philadelphia, PA.
- American Society for Testing and Materials. 2015. Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions E 2600-15, Philadelphia, PA.
- Buonicore, A.J. 2009. A Smaller Intrusion. pp. 26-31, May 2009.

Signature of Environmental Professional

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

A handwritten signature in blue ink that reads "Claudia B. Irvin".

Claudia B. Irvin
Environmental Professional



ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL SCOTT
Director

March 20, 2017

Mr. Bill Mack
Bald Head Island Limited, LLC
PO Box 3069
Bald Head Island, NC 28461

RE: Review of SPLP Sampling Results
Southport Sediment Basin
Southport, Brunswick County, NC

Dear Mr. Mack:

The Inactive Hazardous Sites Branch (IHSB) received your March 2, 2017 SPLP Sampling Results on March 14, 2017. At the IHSB's request, eight additional soil samples were collected within the permitted dredge soil basin for SPLP arsenic analysis on February 2, 2017. Because the results of one of the eight additional samples exceeded the Branch's protection of groundwater remedial goal, four additional samples were collected in the area where the sample exceeded the remedial goal. None of the four subsequent samples were found to have any concentrations of arsenic exceeding applicable remedial goals. Based on a review of available data, it appears that the elevated concentration of arsenic detected in sample SB-5 on 2/2/2017 was an anomaly and not repeatable. Arsenic concentrations detected in samples across the Site appear to be naturally occurring and do not exceed applicable IHSB remedial values.

Based on a review of all available data for this Site, the IHSB has determined that the compounds detected do not exceed applicable IHSB remedial goals or concentrations are within naturally occurring background concentrations (metals only). Based on this information, this Site will not be added to the Inactive Hazardous Sites Branch's inventory of sites. Be advised that if the Division later determines, based on new information or information not previously provided that the Site does not meet current standards or that the Division was provided with false or incomplete information, the Site may be added to the IHSB's inventory of sites.

If you have any questions, please feel free to contact me at (910) 796-7217 or Susanne.Robbins@ncdenr.gov.

Sincerely,

Sue Robbins
Inactive Hazardous Sites Branch

cc: Jerry Paul, S&ME, 3201 Spring Forest Road, Raleigh, NC 27616



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

April 27, 2015

Mr. Vincent Morgan
Division of Waste Management
Wilmington Regional Office
127 Cardinal Dr. Ext
Wilmington, North Carolina 28405

RE: NCDOT- Ferry Division Southport Ferry
GW Inc# 32232

Vincent:

Enclosed is the latest sample report for the Ferry operation in Southport. As requested, a groundwater sample was collected and soil samples were collected along the outer excavation limits associated with the previous release on the property. Lab analysis for the groundwater sample did not detect any compound concentrations in violation of 2L Standards. Of the six soil samples collected, contamination was detected in three samples. In SS-1, C11-C22 aromatics were measured at 51.6 mg/kg, and was the only violation associated with that sample. SS-6 had no concentrations of compounds exceed MSCCs. High levels of contamination are present in SS-2, lab analysis as well as obvious staining and strong odors. The lab analysis for SS-2 is presented in Table 2. Additional excavation around SS-2 is not really an option due to existing infrastructure and utilities within the area.

If you have questions, please call me at (919) 835-8020.

Sincerely,

A handwritten signature in black ink, appearing to read "Ashley B. Cox, Jr.", written over a horizontal line.

Ashley B. Cox, Jr, LG
Environmental Engineer

Enclosure

**Active Remediation Monitoring Report
NCDOT-Ferry Division Southport Ferry
Brunswick County**

April 27, 2015

Site Information:

Facility ID #NA Groundwater Incident #32232
Incident Manager: Vincent Morgan

NCDOT-Ferry Division Southport Ferry
NC HWY 211
Southport, NC 28461
Brunswick County

LATITUDE 33° 56' 05" LONGITUDE 77° 59' 36"
Location method: Topographic Map Software

Risk Classification:

Low Risk

Land Use:

The immediate property is an active NCDOT Ferry Operation used for boarding and unloading ferry vessels. There is a concessions stand, souvenir shop, and picnic area for the public. The ferry site also has an office building and several storage out buildings located on the property. There is an underground fuel site consisting of two underground storage tanks containing diesel fuel. Adjacent properties are a combination of commercial and undeveloped parcels.

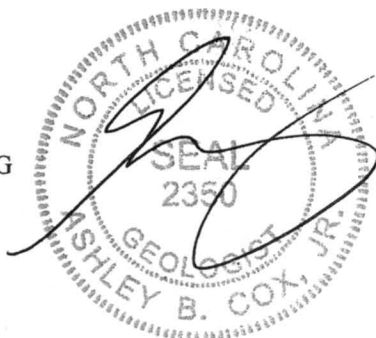
Owner/Operator: NCDOT-Fleet and Material Management Unit
4809 Beryl Road
Raleigh, NC 27606

Release Information:

Date: May 28, 2005
Unknown quantity released
Petroleum contamination was found by means of helium line test by Superior Testing on June 7, 2005.
The broken product line was replaced and subsequently tested before placing the fuel site back in order.

Analytical Laboratory: Pace Analytical Services Inc NC Certification # 12

Ashley B. Cox, Jr, LG



Groundwater Monitoring Report
North Carolina Department of Transportation
Southport Ferry Facility
Southport, Brunswick County

1.0 Introduction

On March 19, 2015 a groundwater sample and six soil samples were collected at the North Carolina Department of Transportation (NCDOT) Ferry site in Southport, North Carolina. The recovery well was sampled during this event. The pre-existing monitor well (MW-1) could not be located, it is believed this monitoring well may have been destroyed during excavation activities. Soil samples were advanced around the perimeter of the excavation limits to determine remaining contamination left after remediation efforts. The groundwater sample was analyzed using Standard Methods 6200B for BTEX contamination and soil samples were analyzed by EPA Methods 8260, 8270, MADEP EPH and VPH, and total metals (lead and chromium).

The site is located on HWY 211 in Southport, NC, in Brunswick County. The property is currently occupied by NCDOT Ferry Division and used for boarding/unloading vessels, concessions, office logistics, and an underground fueling system in located on the property. Adjacent properties are a combination of commercial and undeveloped parcels.

The North Carolina Department of Environment and Natural Resources (DENR) has assigned an incident number for this site, 32232, and the site has a Risk Classification of Low Risk. This report documents the results of groundwater and soil sampling collected by Ashley B. Cox, Jr. of NCDOT in March 2015. A vicinity and one contaminant plume map has been included. Contaminants exceeding MSCC were confined to SS-2, except the C11-C22 range aromatics that were present in both SS-1 and SS-2.

2.0 Site History

On May 28, 2005, Ferry personnel reported that they could no longer pump fuel. A technician from Raleigh was sent to the site to check the fuel system. Upon arrival he discovered the Red Jacket line leak detectors had activated. During his diagnostics, the line leak detectors were manually bypassed and the submersible pumps turned on. This indicated a possible leak or break in the line.

Petroleum Equipment Service, out of Wilson, conducted a line and line-leak detector test to confirm that the product line was indeed compromised. They could not, however, determine the location of the leak. The fiberglass product line is several hundred feet long. From this date, the oil company delivered fuel directly to the ferries, until the line was repaired. As long as the pumps were off, the system was not leaking except for any small amount remaining inside the piping.

On June 6, 2005, in order to locate the leak, a technician from Superior Testing, of Hendersonville, performed a helium test to locate the leak. Nitrogen was first used to evacuate the product from the line. Next, helium was forced into the lines and the technician used a helium detector to locate where the gas was escaping the line. The location of the leak was eventually found the following day, June 7. Helium was detected about five feet from where the fiberglass piping ties into the above ground steel line located on the loading ramp. DOT personnel uncovered the product line by shovel in the area of the highest helium readings to find the break in the line.

Once the location of the leak was determined, DOT personnel excavated contaminated soil with a backhoe. Approximately 12 cubic yards of sandy soil was stockpiled on plastic and covered. The excavation measured about 7' x 8' x 6' deep. The sidewalls of the excavation were very unstable due to the sandy structure of the soil. Also, the extent and size of the excavation was limited due to a nearby fence, the underground conduits, the traffic-control gate for the ramp, and the asphalt/bridge approach to the loading ramp. Due to these site constraints, only 12 cubic yards could be removed without disturbing the operations of the ferry terminal. An 18-foot section of product line was replaced by Petroleum Equipment Solutions, of Apex. After the repair had been repaired, Superior Testing conducted a line leak test on June 7, 2005.

The stockpile was maintained on site until a Certificate of Approval for Disposal was received. NCDOT received Certificate #CAU080016 dated July 18, 2005. The certificate allowed for disposal at the DOT Maintenance facility in Shallotte. The stockpile was then transported and spread by DOT personnel in early August.

A groundwater sample was collected from the recovery well (RW-1) on March 19, 2015. Six soil samples were also collected around the perimeter of the excavation pit. These samples were submitted to Pace Analytical Laboratories for analysis by Method 6200B for the groundwater and by 8260, 8270, MADEP EPH/VPH, and total metals (Pb and Cr) for the soils. The water level in RW-1 was determined to be 5.6 feet below grade. This was used as a baseline for depths to collect the soil samples.

3.0 Summary of Potential Receptor Information

3.1 Water Supply Wells

The Southport Ferry site and other surrounding properties are supplied by a public water system. According to Mr Charles Brown of the Southport Water Department, all of the properties within 1,500 feet of the source are served (is available) by public water. Neither of the two wells supplying Southport with its water are within 1,500 feet of the site. There is no concern of the contamination entering or compromising a drinking water supply.

3.2 Surface Water

The closest named surface water feature is Price Creek which feeds directly into the Cape Fear River. Price Creek is located approximately 30 linear feet of the source area. Price Creek is part of the Cape Fear River Basin, and is classified as a Class SC, tidally influenced salt waters are

protected for secondary recreation such as fishing, boating and other activities involving minimal skin contact; fish and noncommercial shellfish consumption; aquatic life propagation and survival; and wildlife. However this stretch is included on the 2012 303d Impaired Waterbodies List. The Southport Restricted Area (AU 18-88-3.5) of the Cape Fear River Subbasin 03-06-17, beginning at a point on the west bank of the Cape Fear River 1000 yards upstream of Price Creek, thence in an easterly direction to the eastern border of the lower Cape Fear River downstream to Southport.

4.0 Groundwater Sampling

4.1 Water Level

On March 19, 2015 the 6-inch recovery well was opened and allowed to equilibrate prior to gauging the static water level. The recovery well was gauged and determined that water was 5.6 feet from TOC (top of casing). Based on surface topography, groundwater flow direction is generally flowing in an easterly direction, towards Price Creek/Cape Fear River.

4.2 Monitoring Well Analytical Data

As requested by DENR, a groundwater sample was collected in March at the NCDOT – Southport Ferry Facility. A groundwater sample was collected using a disposable bailer, poured into appropriate preserved containers, labeled accordingly, and placed on ice before ultimately being shipped to Pace Analytical Services Inc. for analysis. Groundwater samples were analyzed for volatile organic compounds (VOCs) by Standard Method 6200B.

Isopropylbenzene and n-Propylbenzene were the only compounds detected in the groundwater sample, however, both their concentrations were less than 1 parts per million, much lower than 2L Standards of 70 µg/L each.

4.3 Groundwater Contamination Outlook

Through natural attenuation, all contaminant concentrations have fallen below 2L Standards and pose no apparent risk to human health or the environment. The most recent monitoring event supports this statement.

5.0 Soil Sampling

Six soil borings were advanced using a hand auger; samples were collected at various depths dependent upon saturation of the soil. Depths ranged from 4.5' to 6.0'. The purpose of the sampling was to verify/determine that previous excavation limits were successful in removing the bulk of contaminated soil from the site.

Samples were collected into appropriate preserved vials and containers provided by the laboratory, labeled accordingly, and placed on ice immediately. The samples were then transported to Raleigh and ultimately picked up by a courier for Pace Analytical Services Inc. for

analysis. Soil samples were analyzed using methods 8260, 8270, MADEP EPH/VPH, and total metals (Pb and Cr).

5.1 Soils Analytical Data

Laboratory results are presented in Table 2 and a contaminant plume map for the C11-C22 range Aromatics is included. Concentrations for C11-C22 exceeded MSCCs in soil samples SS-1 and SS-2 at **51.6 mg/kg** and **1,370 mg/kg** respectively. Although additional contaminants were found in SS-1 and a hit of Methylene Chloride in SS-6, these did not exceed MSCCs.

The sample taken at location SS-2 was highly contaminated; visual staining was present as well as strong petroleum odors. A host of petroleum compounds were detected in the sample with many of them exceeding their respective established limits. These results are most clearly presented as the bold concentrations in Table 2.

6.0 Conclusions and Recommendations

Although minimal diesel contamination remains present at the NCDOT-Ferry Division Southport Facility due to a former UST release, the site ranks as a low risk site. NCDOT was issued a NORR – Notice of Residual Petroleum on January 9, 2006. Mr. Vincent Morgan with UST Section of NCDENR requested a sampling event to determine if contamination had been reduced to below standards, ultimately closing the site out without having to file an NRP. During the March 2015 a monitoring event it was determined groundwater concentrations were below standards but soil contamination still remained onsite.

The latest sampling results do not indicate that the site is eligible for full closure without the implementation of a deed restriction. It appears excavation of the contaminated soils were successful where possible. In the location of SS-2, the existing infrastructure prevents further excavation of the site. An effort will be made by this office to have a Notice of Residual Petroleum filed with the court house on the deed of this property, in hopes of receiving a No Further Action letter from DENR.

**NCDOT-Southport Ferry
Soil Sample ID's**

Table 1. Soil Samples

SAMPLE ID	DATE	DEPTH (ft)	ANALYSES
SS-1	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-2	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-3	3/19/2015	6'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-4	3/19/2015	5.5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-5	3/19/2015	4.5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-6	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)

NCDOT-Southport Ferry

TABLE 2. SOIL SAMPLE LAB RESULTS

METHOD	CONTAMINANT	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	MSCC
3050	Lead	7.0 mg/kg	6.0 mg/kg	1.8 mg/kg	1.5 mg/kg	2.0 mg/kg	2.2 mg/kg	270 mg/kg
	Chromium	2.9 mg/kg	4.0 mg/kg	4.3 mg/kg	3.5 mg/kg	3.0 mg/kg	3.4 mg/kg	5.4 mg/kg
8260	n-Butylbenzene	-	1330 µg/kg	-	-	-	-	4.3 mg/kg
	sec-Butylbenzene	-	1230 µg/kg	-	-	-	-	3.3 mg/kg
	Ethylbenzene	-	164 µg/kg	-	-	-	-	4.9 mg/kg
	Isopropylbenzene	-	382 µg/kg	-	-	-	-	1.7 mg/kg
	p-Isopropyltoluene	-	1190 µg/kg	-	-	-	-	0.12 mg/kg
	Methylene Chloride	-	-	-	-	-	19.0 µg/kg	0.02 mg/kg
	Naphthalene	-	10600 µg/kg	-	-	-	-	0.16 mg/kg
	n-Propylbenzene	-	1090 µg/kg	-	-	-	-	1.7 mg/kg
	1,2,4 Trimethylbenzene	-	1280 µg/kg	-	-	-	-	8.5 mg/kg
	Fluorene	-	1760 µg/kg	-	-	-	-	47 mg/kg
8270	1-Methylnaphthalene	-	7810 µg/kg	-	-	-	-	0.004 mg/kg
	2-Methylnaphthalene	-	8980 µg/kg	-	-	-	-	3.6 mg/kg
	Naphthalene	-	1800 µg/kg	-	-	-	-	0.16 mg/kg
	Phenanthrene	-	3280 µg/kg	-	-	-	-	56 mg/kg
	Pyrene	-	1420 µg/kg	-	-	-	-	270 mg/kg
	EPH	C11-C22 Aromatic	51.6 mg/kg	1370 mg/kg	-	-	-	-
	C19-C36 Aliphatic	84.5 mg/kg	-	-	-	-	-	-
	C9-C18 Aliphatic	127 mg/kg	2830 mg/kg	-	-	-	-	540 mg/kg
VPH	C5-C8 Aliphatic	-	-	-	-	-	-	68 mg/kg
	C9-C10 Aromatic	-	71.6 mg/kg	-	-	-	-	31 mg/kg
	C9-C12 Aliphatic	-	215 mg/kg	-	-	-	-	5.4 mg/kg

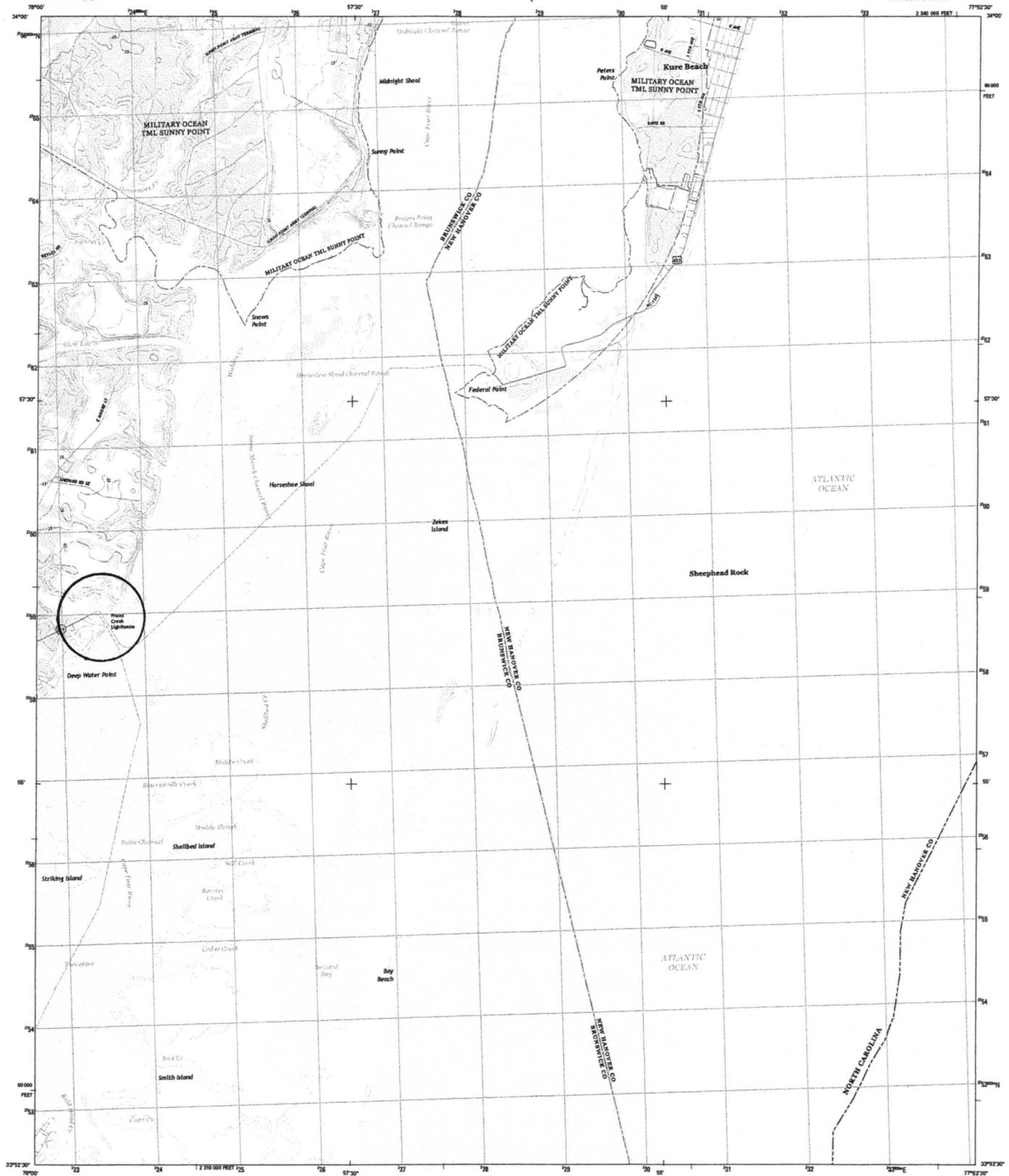
*Bold values exceed Soil to Water Maximum Soil Contaminant Concentration



U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

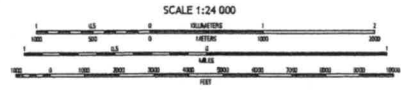
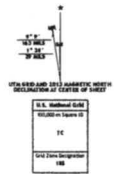


KURE BEACH QUADRANGLE
NORTH CAROLINA
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
North Geodetic System of 1983 (NAD83). Projection and
1:250,000 scale. Universal Transverse Mercator, Zone 18E
10 000-foot UTM North Carolina Coordinate System of 1983

Map: 1:24,000, July 2013 - June 2012
Base: 1:50,000, 2012
Hydrography: National Hydrography Dataset, 2012
Contours: National Elevation Dataset, 2008
Boundaries: Census, 1990, U.S. Census, 1970 - 2012



SCALE 1:24 000
CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1983
This map was produced in conformance with the
National Compendium Program US Topo Product Standard, 2011.
A modification is associated with this product to sheet version 6.1.1

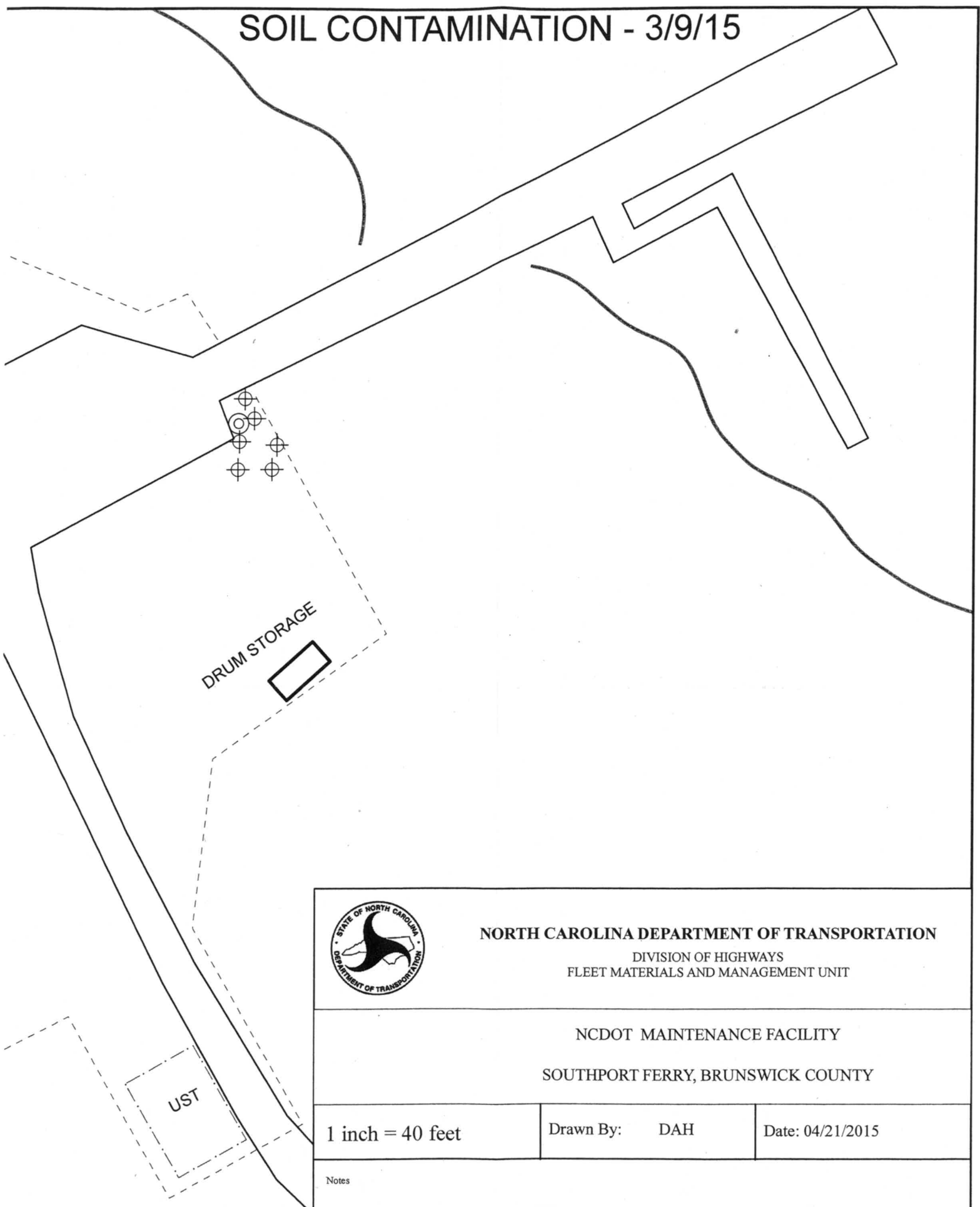


UNCLASSIFIED LOCATIONS		
Point	Contour	Contour
	Bank	Bank
Point	Bank	Bank
Spot	Spot	Spot
Spot	Spot	Spot

ROAD CLASSIFICATION
 Engineering: Local Connector
 Secondary: Local Road
 Ramp: dms
 Interstate: Interstate Road
 US Route: US Route
 State Route: State Route

KURE BEACH, NC
2013

SOIL CONTAMINATION - 3/9/15



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS
FLEET MATERIALS AND MANAGEMENT UNIT

NCDOT MAINTENANCE FACILITY

SOUTHPORT FERRY, BRUNSWICK COUNTY

1 inch = 40 feet

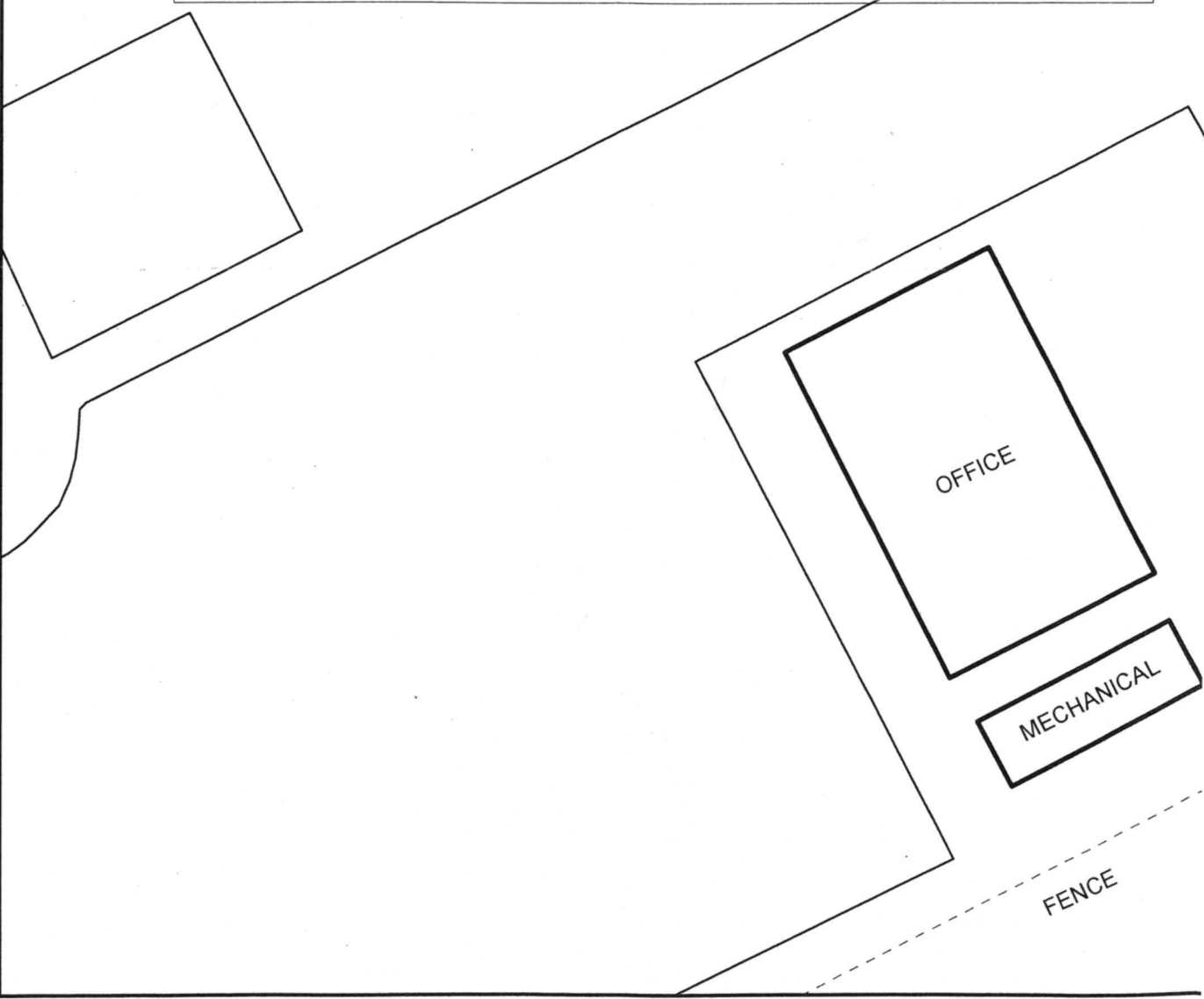
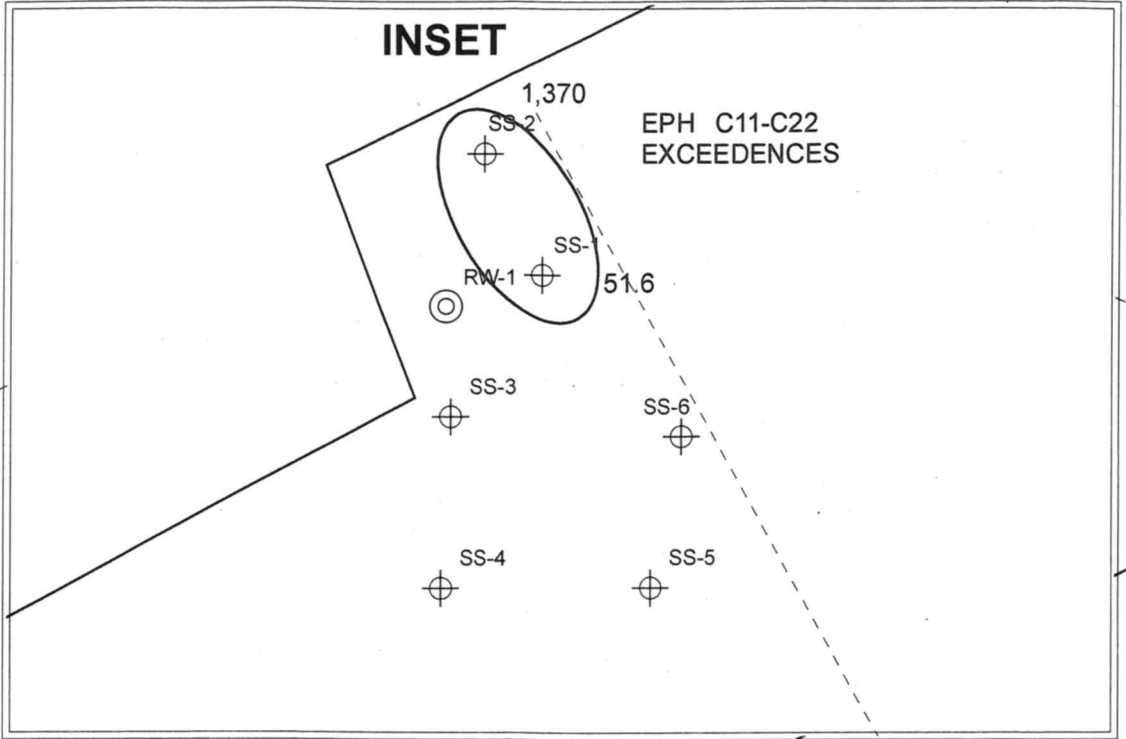
Drawn By: DAH

Date: 04/21/2015

Notes



INSET



Southport Ferry Site

Parcel ID	Map ID	Owner	Contact Address	Physical Address
22200006	A	Archer Daniels Midland Co.	PO Box 1470, Decatur, IL 53525	1730 E. Moore St. SE
22200008	B	NC Dept. of Transportation	PO Box 1500, Shallotte, NC 28459	
22200009	C	NC Dept. of Transportation	PO Box 1500, Shallotte, NC 28459	
23800003	D	Bald Head Island Limited	PO Box 3069, Bald Head Island, NC 28461	1301 Ferry Rd.
2220000601	E	Pfizer Inc.	235 East 42nd Street, New York, NY 10017	1350 Ferry Rd. SE
2220000607	F	Southport Trading CO Pfizer TR LLC	PO Box 4893, Wilmington, NC 28406	

TABLE 2. PROPERTY OWNERS

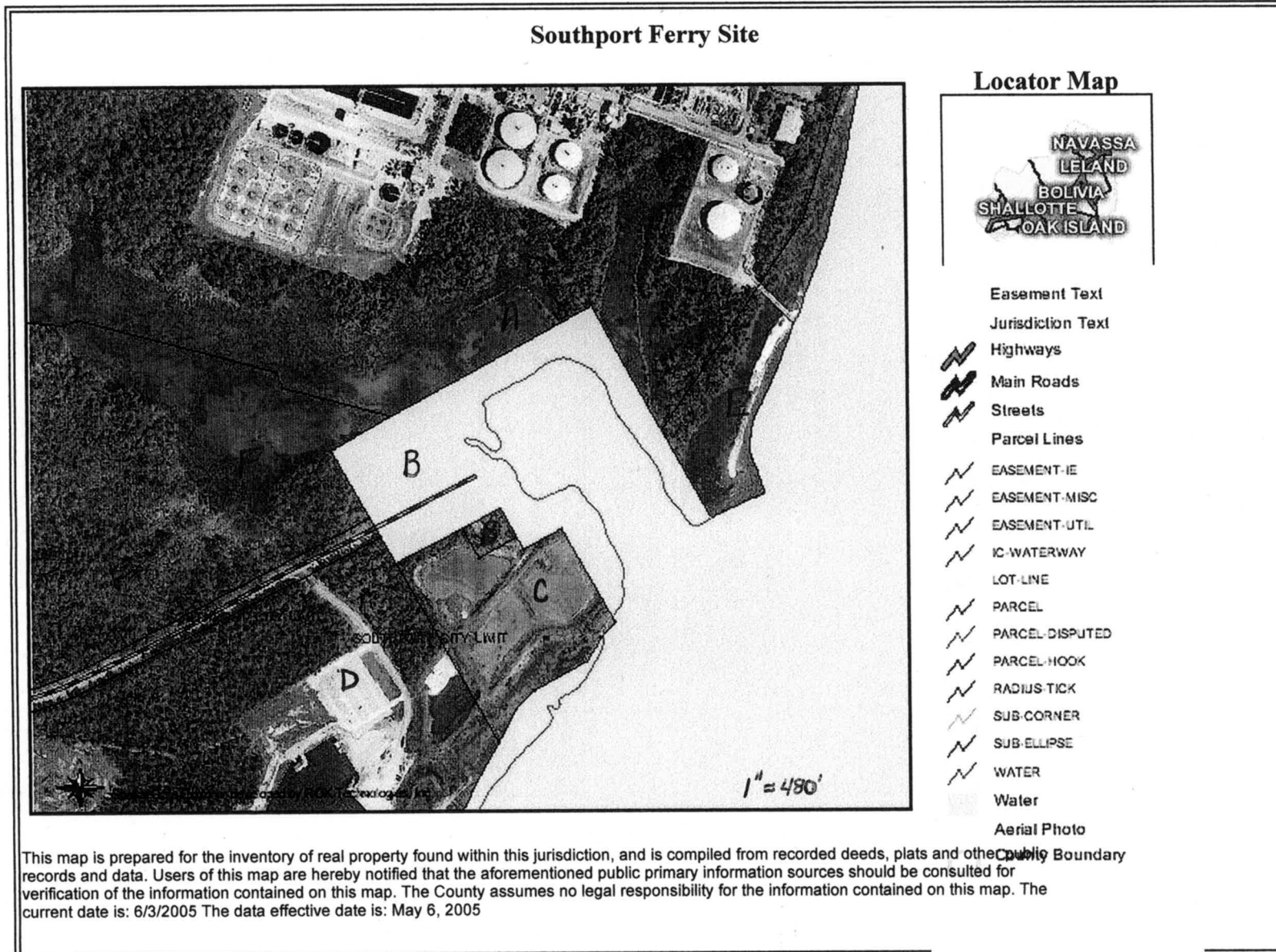


FIGURE 3. TAX MAP



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

1501 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1501

LYNDO TIPPETT
SECRETARY

November 30, 2005

Mr. David Peacock
UST Section
127 Cardinal Drive Extension
Wilmington, NC 28405-3845



RE: NCDOT-Southport Ferry
Incident # 32232
Sample Report

Dear David:

Attached is the soil and groundwater sample report for the 2 contamination incidents at Southport Ferry. There is no longer any free phase product in the monitor near the dock. However, some of the product has dissolved to form significant levels of various diesel constituents.

Two soil samples were collected from the north end of the tank pit to confirm contamination found in late 1992. One sample was clean and the other had a just a trace of C19-C36 range hydrocarbons on the MADEP EPH test. Based on these results, no contamination exceeding regulatory limits is present.

If you have questions, please call me at (919) 835-8007.

Sincerely,

A handwritten signature in black ink that reads "Eric Motzno".

Eric Motzno, LG
Environmental Engineer

cc: Mr. Ron Mercer
Ferry Division

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
SOUTHPORT FERRY OPERATIONS
1350 FERRY ROAD, SOUTHPORT, BRUNSWICK COUNTY

In May 2005, the 2-inch fiberglass product on the diesel fueling system ruptured. The break in the line was repaired and tested in the first week of June. Figure 1 shows the location of the fuel system at the site. A small amount of contaminated soil and free product was excavated and stockpiled on site. The stockpile was later land applied at the DOT Maintenance facility in Shallotte. A shallow monitor well installed next to the release point indicated the presence of free phase diesel on the water table. In preparation for an Aggressive Fluid/Vapor Recovery (AFVR) event, a larger diameter (6-inch) recovery well was installed. Figure 2 shows the area of the release and location of the wells installed. An environmental consulting firm, Hart & Hickman, conducted 3 AFVR events between June 30 and July 28. Based on the Free Product Recovery Report by Hart & Hickman, dated August 17, 2005, approximately 55 gallons of product and 4000 gallons of liquid were recovered for the 3 events. The 55 gallons of product represents the approximate volume of the 2-inch product line, which is about 320 feet long. The Red Jacket line leak detector prevented more product from being lost.

Prior to the AFVR events, the recovery well, RW-1 contained free-product and was not sampled. At the conclusion of the last AFVR event on July 28, 2005 the well was sampled. RW-1 was re-sampled on October 12, 2005. The results of both sample events are shown in Table 1, Groundwater Sample Results. The lighter compounds show a decrease in concentrations whereas the heavier, diesel compounds increased. This may be due to rate at which the diesel compounds go into dissolved phase. The well is gauged for free product every 2 weeks and no product has been measured.

In an unrelated incident at the same site, soil contamination was report in late 1992. After reviewing the files for this site, no standard tank closure report could be located. Table 2, Underground Storage Tanks provides information about former and presently in-use tanks. The files did contain information about several soil and groundwater sample events from 1990 to 1993. Tables 3 and 4, Soil Samples provide information about these samples.

On March 22, 1990, one soil sample was collected for tank #302-1, a 500-gallon tank. The location and product stored of this tank is unknown. The sample was analyzed by a Hanby test kit and was found to be clean. On March 27, 1990, two soil samples were collected from between the two 10,000-gallon diesel tanks (#302-9 and 302-10). The samples were labeled HB-1 and 2. These samples were analyzed by a Hanby test kit and were found to be clean.

On June 20, 1990, a groundwater sample was collected from a boring between the 2 diesel tanks. The sample was analyzed by a Hanby test kit and was found to be clean.

On July 8, 1991, 4 soil samples were collected from the area of the diesel tank pit. Based on the field notes, a sample was collected from each end of each tank. The samples were analyzed by a Hanby test kit and found to be clean.

In late October 1992, the diesel tanks were removed and 4 soil samples were collected. The samples were labeled 1-North, 2-South, 3-East, and 4-West. The exact location of the sample points is unknown. The new tanks were installed a few days later in the same pit. Samples 1 and 2 were contaminated. On February 19, 1993, groundwater samples were collected from the 2 observation wells installed in the tank pit. These samples were analyzed by EPA Method 610 and were found to be clean. No further work was performed for this area until recently. The lab results for the 1990-1993 samples are found in Appendix A.

On October 12, 2005, two soil samples were collected from the north side of the tank pit. Figure 3 shows the location of the sample points. They were submitted to Analytics Corporation with the site name Southport Ferry. These samples were analyzed by EPA Methods 8260 and 8270 and MADEP EPH and VPH. SS-1 was clean with no detection of target compounds. SS-2 was found to contain 10.3 ppm of C19-C36 range aliphatics on the EPH test. No other target compounds were detected. The lab report from Analytics for these 2 soil samples as well as the groundwater sample of the recovery well is found in Appendix B. Based on these results, the tank pit area is clean.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

April 27, 2015

Mr. Vincent Morgan
Division of Waste Management
Wilmington Regional Office
127 Cardinal Dr. Ext
Wilmington, North Carolina 28405

RE: NCDOT- Ferry Division Southport Ferry
GW Inc# 32232

Vincent:

Enclosed is the latest sample report for the Ferry operation in Southport. As requested, a groundwater sample was collected and soil samples were collected along the outer excavation limits associated with the previous release on the property. Lab analysis for the groundwater sample did not detect any compound concentrations in violation of 2L Standards. Of the six soil samples collected, contamination was detected in three samples. In SS-1, C11-C22 aromatics were measured at 51.6 mg/kg, and was the only violation associated with that sample. SS-6 had no concentrations of compounds exceed MSCCs. High levels of contamination are present in SS-2, lab analysis as well as obvious staining and strong odors. The lab analysis for SS-2 is presented in Table 2. Additional excavation around SS-2 is not really an option due to existing infrastructure and utilities within the area.

If you have questions, please call me at (919) 835-8020.

Sincerely,

A handwritten signature in black ink, appearing to read "Ashley B. Cox, Jr.", written over a horizontal line.

Ashley B. Cox, Jr, LG
Environmental Engineer

Enclosure

**Active Remediation Monitoring Report
NCDOT-Ferry Division Southport Ferry
Brunswick County**

April 27, 2015

Site Information:

Facility ID #NA

Groundwater Incident #32232

Incident Manager: Vincent Morgan

NCDOT-Ferry Division Southport Ferry
NC HWY 211
Southport, NC 28461
Brunswick County

LATITUDE 33° 56' 05" LONGITUDE 77° 59' 36"

Location method: Topographic Map Software

Risk Classification:

Low Risk

Land Use:

The immediate property is an active NCDOT Ferry Operation used for boarding and unloading ferry vessels. There is a concessions stand, souvenir shop, and picnic area for the public. The ferry site also has an office building and several storage out buildings located on the property. There is an underground fuel site consisting of two underground storage tanks containing diesel fuel. Adjacent properties are a combination of commercial and undeveloped parcels.

Owner/Operator: NCDOT-Fleet and Material Management Unit
4809 Beryl Road
Raleigh, NC 27606

Release Information:

Date: May 28, 2005

Unknown quantity released

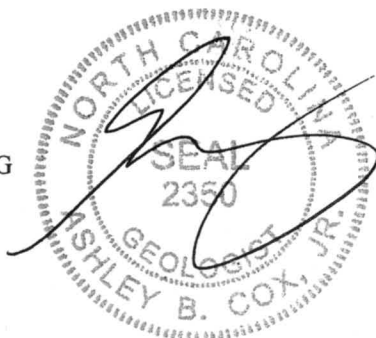
Petroleum contamination was found by means of helium line test by Superior Testing on June 7, 2005.

The broken product line was replaced and subsequently tested before placing the fuel site back in order.

Analytical Laboratory: Pace Analytical Services Inc

NC Certification # 12

Ashley B. Cox, Jr, LG



Groundwater Monitoring Report
North Carolina Department of Transportation
Southport Ferry Facility
Southport, Brunswick County

1.0 Introduction

On March 19, 2015 a groundwater sample and six soil samples were collected at the North Carolina Department of Transportation (NCDOT) Ferry site in Southport, North Carolina. The recovery well was sampled during this event. The pre-existing monitor well (MW-1) could not be located, it is believed this monitoring well may have been destroyed during excavation activities. Soil samples were advanced around the perimeter of the excavation limits to determine remaining contamination left after remediation efforts. The groundwater sample was analyzed using Standard Methods 6200B for BTEX contamination and soil samples were analyzed by EPA Methods 8260, 8270, MADEP EPH and VPH, and total metals (lead and chromium).

The site is located on HWY 211 in Southport, NC, in Brunswick County. The property is currently occupied by NCDOT Ferry Division and used for boarding/unloading vessels, concessions, office logistics, and an underground fueling system in located on the property. Adjacent properties are a combination of commercial and undeveloped parcels.

The North Carolina Department of Environment and Natural Resources (DENR) has assigned an incident number for this site, 32232, and the site has a Risk Classification of Low Risk. This report documents the results of groundwater and soil sampling collected by Ashley B. Cox, Jr. of NCDOT in March 2015. A vicinity and one contaminant plume map has been included. Contaminants exceeding MSCC were confined to SS-2, except the C11-C22 range aromatics that were present in both SS-1 and SS-2.

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On May 28, 2005, Ferry personnel reported that they could no longer pump fuel. A technician from Raleigh was sent to the site to check the fuel system. Upon arrival he discovered the Red Jacket line leak detectors had activated. During his diagnostics, the line leak detectors were manually bypassed and the submersible pumps turned on. This indicated a possible leak or break in the line.

Petroleum Equipment Service, out of Wilson, conducted a line and line-leak detector test to confirm that the product line was indeed compromised. They could not, however, determine the location of the leak. The fiberglass product line is several hundred feet long. From this date, the oil company delivered fuel directly to the ferries, until the line was repaired. As long as the pumps were off, the system was not leaking except for any small amount remaining inside the piping.

On June 6, 2005, in order to locate the leak, a technician from Superior Testing, of Hendersonville, performed a helium test to locate the leak. Nitrogen was first used to evacuate the product from the line. Next, helium was forced into the lines and the technician used a helium detector to locate where the gas was escaping the line. The location of the leak was eventually found the following day, June 7. Helium was detected about five feet from where the fiberglass piping ties into the above ground steel line located on the loading ramp. DOT personnel uncovered the product line by shovel in the area of the highest helium readings to find the break in the line.

Once the location of the leak was determined, DOT personnel excavated contaminated soil with a backhoe. Approximately 12 cubic yards of sandy soil was stockpiled on plastic and covered. The excavation measured about 7' x 8' x 6' deep. The sidewalls of the excavation were very unstable due to the sandy structure of the soil. Also, the extent and size of the excavation was limited due to a nearby fence, the underground conduits, the traffic-control gate for the ramp, and the asphalt/bridge approach to the loading ramp. Due to these site constraints, only 12 cubic yards could be removed without disturbing the operations of the ferry terminal. An 18-foot section of product line was replaced by Petroleum Equipment Solutions, of Apex. After the repair had been repaired, Superior Testing conducted a line leak test on June 7, 2005.

The stockpile was maintained on site until a Certificate of Approval for Disposal was received. NCDOT received Certificate #CAU080016 dated July 18, 2005. The certificate allowed for disposal at the DOT Maintenance facility in Shallotte. The stockpile was then transported and spread by DOT personnel in early August.

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3.0 Summary of Potential Receptor Information

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The Southport Ferry site and other surrounding properties are supplied by a public water system. According to Mr Charles Brown of the Southport Water Department, all of the properties within 1,500 feet of the source are served (is available) by public water. Neither of the two wells supplying Southport with its water are within 1,500 feet of the site. There is no concern of the contamination entering or compromising a drinking water supply.

3.2 Surface Water

The closest named surface water feature is Price Creek which feeds directly into the Cape Fear River. Price Creek is located approximately 30 linear feet of the source area. Price Creek is part of the Cape Fear River Basin, and is classified as a Class SC, tidally influenced salt waters are

protected for secondary recreation such as fishing, boating and other activities involving minimal skin contact; fish and noncommercial shellfish consumption; aquatic life propagation and survival; and wildlife. However this stretch is included on the 2012 303d Impaired Waterbodies List. The Southport Restricted Area (AU 18-88-3.5) of the Cape Fear River Subbasin 03-06-17, beginning at a point on the west bank of the Cape Fear River 1000 yards upstream of Price Creek, thence in an easterly direction to the eastern border of the lower Cape Fear River downstream to Southport.

4.0 Groundwater Sampling

4.1 Water Level

On March 19, 2015 the 6-inch recovery well was opened and allowed to equilibrate prior to gauging the static water level. The recovery well was gauged and determined that water was 5.6 feet from TOC (top of casing). Based on surface topography, groundwater flow direction is generally flowing in an easterly direction, towards Price Creek/Cape Fear River.

4.2 Monitoring Well Analytical Data

As requested by DENR, a groundwater sample was collected in March at the NCDOT – Southport Ferry Facility. A groundwater sample was collected using a disposable bailer, poured into appropriate preserved containers, labeled accordingly, and placed on ice before ultimately being shipped to Pace Analytical Services Inc. for analysis. Groundwater samples were analyzed for volatile organic compounds (VOCs) by Standard Method 6200B.

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4.3 Groundwater Contamination Outlook

Through natural attenuation, all contaminant concentrations have fallen below 2L Standards and pose no apparent risk to human health or the environment. The most recent monitoring event supports this statement.

5.0 Soil Sampling

Six soil borings were advanced using a hand auger; samples were collected at various depths dependent upon saturation of the soil. Depths ranged from 4.5' to 6.0'. The purpose of the sampling was to verify/determine that previous excavation limits were successful in removing the bulk of contaminated soil from the site.

Samples were collected into appropriate preserved vials and containers provided by the laboratory, labeled accordingly, and placed on ice immediately. The samples were then transported to Raleigh and ultimately picked up by a courier for Pace Analytical Services Inc. for

analysis. Soil samples were analyzed using methods 8260, 8270, MADEP EPH/VPH, and total metals (Pb and Cr).

5.1 Soils Analytical Data

Laboratory results are presented in Table 2 and a contaminant plume map for the C11-C22 range Aromatics is included. Concentrations for C11-C22 exceeded MSCCs in soil samples SS-1 and SS-2 at **51.6 mg/kg** and **1,370 mg/kg** respectively. Although additional contaminants were found in SS-1 and a hit of Methylene Chloride in SS-6, these did not exceed MSCCs.

The sample taken at location SS-2 was highly contaminated; visual staining was present as well as strong petroleum odors. A host of petroleum compounds were detected in the sample with many of them exceeding their respective established limits. These results are most clearly presented as the bold concentrations in Table 2.

6.0 Conclusions and Recommendations

Although minimal diesel contamination remains present at the NCDOT-Ferry Division Southport Facility due to a former UST release, the site ranks as a low risk site. NCDOT was issued a NORR – Notice of Residual Petroleum on January 9, 2006. Mr. Vincent Morgan with UST Section of NCDENR requested a sampling event to determine if contamination had been reduced to below standards, ultimately closing the site out without having to file an NRP. During the March 2015 a monitoring event it was determined groundwater concentrations were below standards but soil contamination still remained onsite.

The latest sampling results do not indicate that the site is eligible for full closure without the implementation of a deed restriction. It appears excavation of the contaminated soils were successful where possible. In the location of SS-2, the existing infrastructure prevents further excavation of the site. An effort will be made by this office to have a Notice of Residual Petroleum filed with the court house on the deed of this property, in hopes of receiving a No Further Action letter from DENR.

**NCDOT-Southport Ferry
Soil Sample ID's**

Table 1. Soil Samples

SAMPLE ID	DATE	DEPTH (ft)	ANALYSES
SS-1	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-2	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-3	3/19/2015	6'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-4	3/19/2015	5.5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-5	3/19/2015	4.5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)
SS-6	3/19/2015	5'	EPH, VPH, 8260, 8270, Metals (Pb, Cr)

NCDOT-Southport Ferry

TABLE 2. SOIL SAMPLE LAB RESULTS

METHOD	CONTAMINANT	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	MSCC
3050	Lead	7.0 mg/kg	6.0 mg/kg	1.8 mg/kg	1.5 mg/kg	2.0 mg/kg	2.2 mg/kg	270 mg/kg
	Chromium	2.9 mg/kg	4.0 mg/kg	4.3 mg/kg	3.5 mg/kg	3.0 mg/kg	3.4 mg/kg	5.4 mg/kg
8260	n-Butylbenzene	-	1330 µg/kg	-	-	-	-	4.3 mg/kg
	sec-Butylbenzene	-	1230 µg/kg	-	-	-	-	3.3 mg/kg
	Ethylbenzene	-	164 µg/kg	-	-	-	-	4.9 mg/kg
	Isopropylbenzene	-	382 µg/kg	-	-	-	-	1.7 mg/kg
	p-Isopropyltoluene	-	1190 µg/kg	-	-	-	-	0.12 mg/kg
	Methylene Chloride	-	-	-	-	-	19.0 µg/kg	0.02 mg/kg
	Naphthalene	-	10600 µg/kg	-	-	-	-	0.16 mg/kg
	n-Propylbenzene	-	1090 µg/kg	-	-	-	-	1.7 mg/kg
	1,2,4 Trimethylbenzene	-	1280 µg/kg	-	-	-	-	8.5 mg/kg
	Fluorene	-	1760 µg/kg	-	-	-	-	47 mg/kg
8270	1-Methylnaphthalene	-	7810 µg/kg	-	-	-	-	0.004 mg/kg
	2-Methylnaphthalene	-	8980 µg/kg	-	-	-	-	3.6 mg/kg
	Naphthalene	-	1800 µg/kg	-	-	-	-	0.16 mg/kg
	Phenanthrene	-	3280 µg/kg	-	-	-	-	56 mg/kg
	Pyrene	-	1420 µg/kg	-	-	-	-	270 mg/kg
	EPH	C11-C22 Aromatic	51.6 mg/kg	1370 mg/kg	-	-	-	-
	C19-C36 Aliphatic	84.5 mg/kg	-	-	-	-	-	-
	C9-C18 Aliphatic	127 mg/kg	2830 mg/kg	-	-	-	-	540 mg/kg
VPH	C5-C8 Aliphatic	-	-	-	-	-	-	68 mg/kg
	C9-C10 Aromatic	-	71.6 mg/kg	-	-	-	-	31 mg/kg
	C9-C12 Aliphatic	-	215 mg/kg	-	-	-	-	5.4 mg/kg

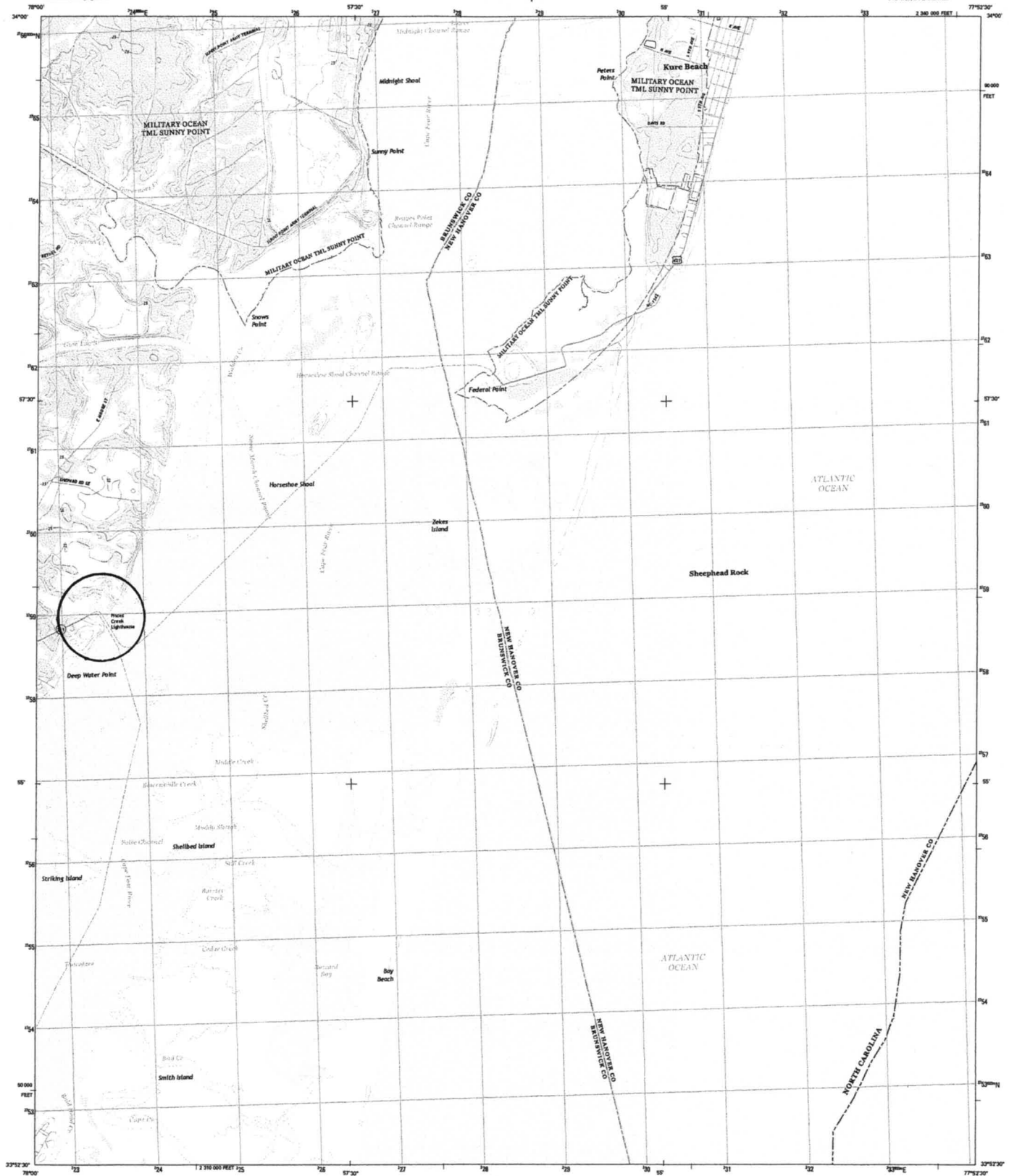
*Bold values exceed Soil to Water Maximum Soil Contaminant Concentration



U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

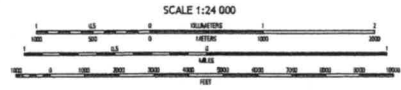
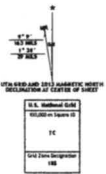


KURE BEACH QUADRANGLE
NORTH CAROLINA
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
North Geodetic System of 1983 (NGS83) Projection and
10 UTM-zone grid: Universal Transverse Mercator, Zone 18S
10 000-foot scale: North Carolina Coordinate System of 1983

imagery: 2011-2012
roads: 2011
hydrography: 2011
contours: 2011



CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1983
This map was produced in conformance with the
National Cartographic Program US Topo Product Standard, 2011.
A modification associated with this product is sheet version 5.4.11



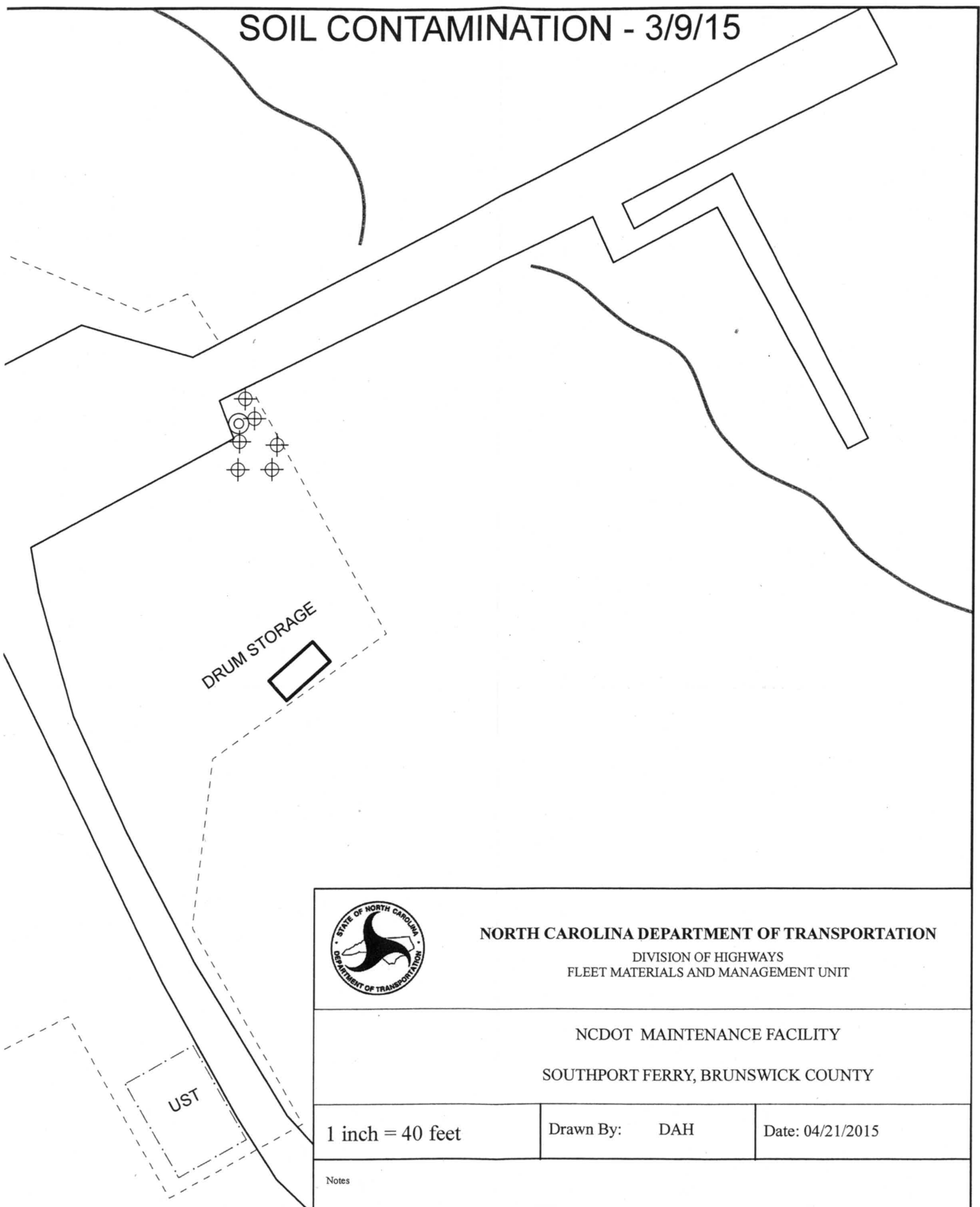
UNCLASSIFIED LOCATIONS		
Point	Contour	Contour
Point	Bank	Bank
Point	Bank	Bank
Point	Bank	Bank
Point	Bank	Bank

ROAD CLASSIFICATION

Engineering	Local Connector
Secondary	Local Road
Ramp	dms
Interstate	US Route
	State Route

KURE BEACH, NC
2013

SOIL CONTAMINATION - 3/9/15



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS
FLEET MATERIALS AND MANAGEMENT UNIT

NCDOT MAINTENANCE FACILITY

SOUTHPORT FERRY, BRUNSWICK COUNTY

1 inch = 40 feet

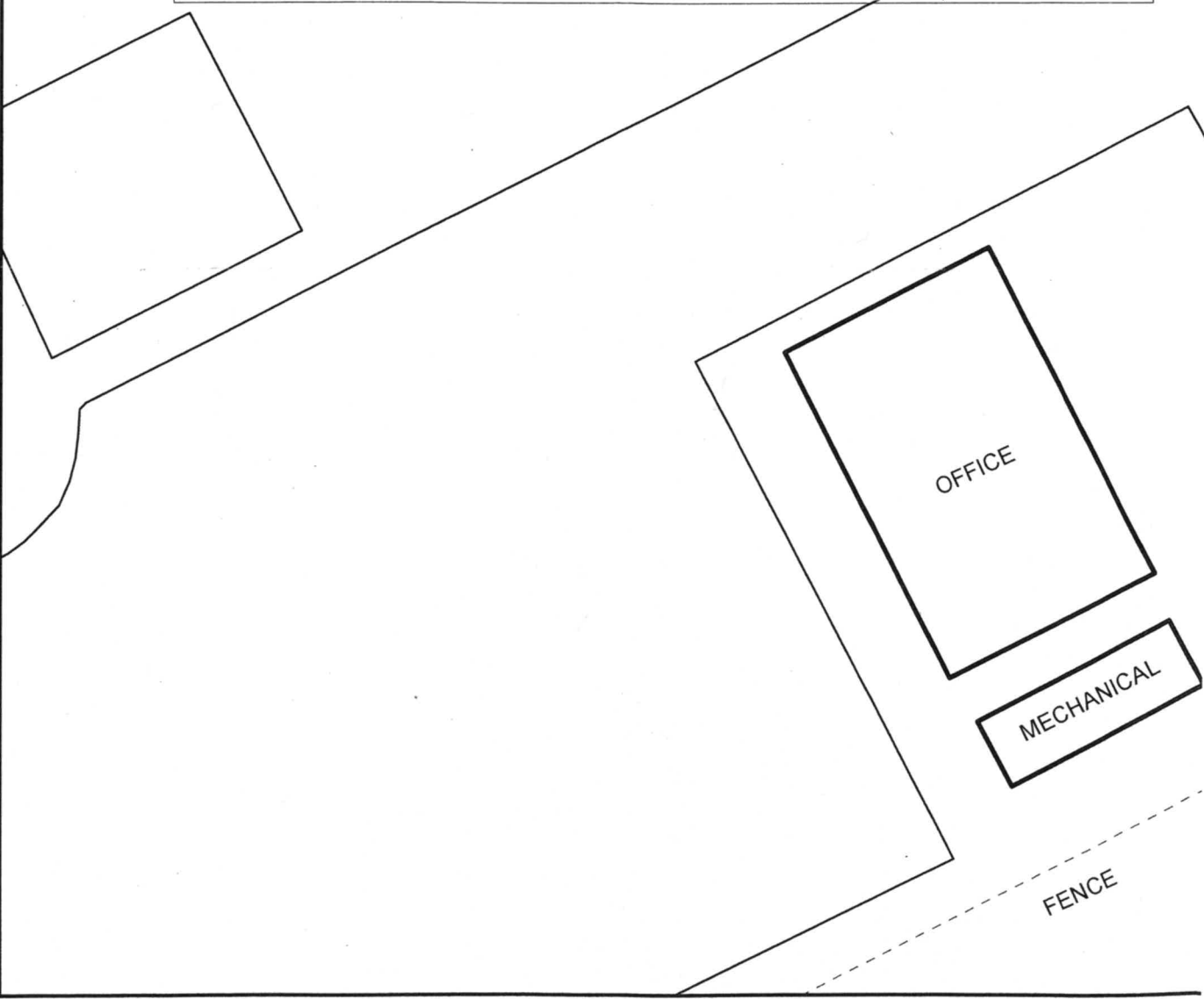
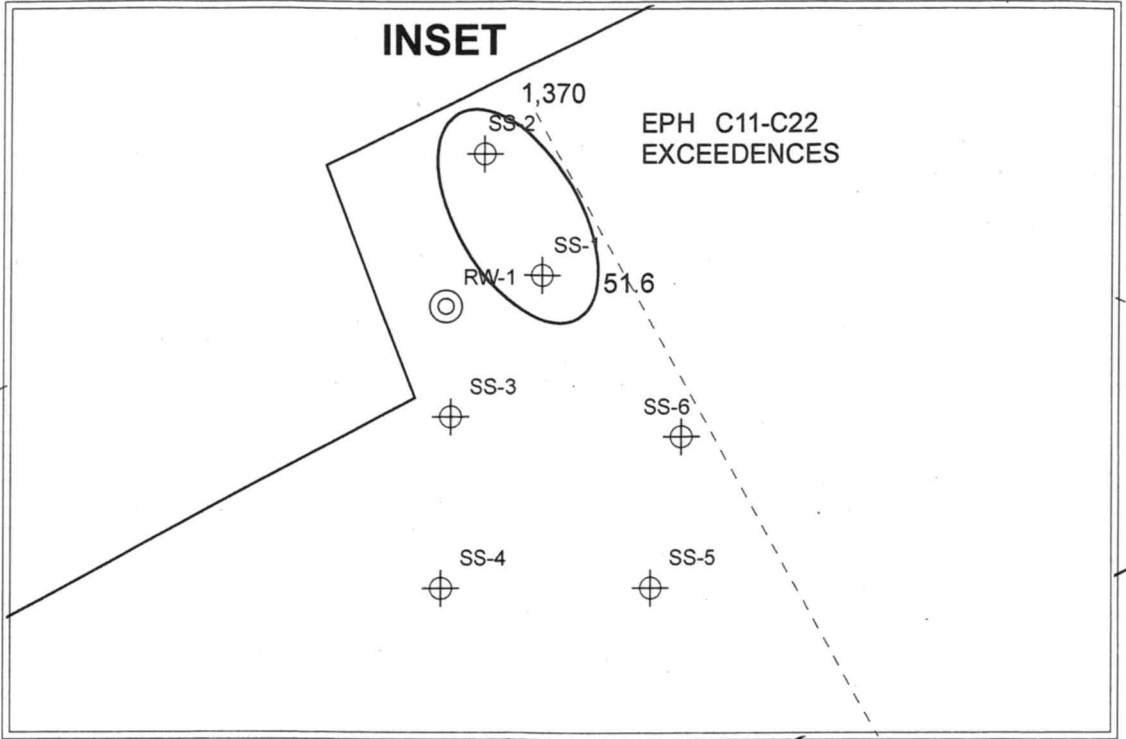
Drawn By: DAH

Date: 04/21/2015

Notes



INSET



Southport Ferry Site

Parcel ID	Map ID	Owner	Contact Address	Physical Address
22200006	A	Archer Daniels Midland Co.	PO Box 1470, Decatur, IL 53525	1730 E. Moore St. SE
22200008	B	NC Dept. of Transportation	PO Box 1500, Shallotte, NC 28459	
22200009	C	NC Dept. of Transportation	PO Box 1500, Shallotte, NC 28459	
23800003	D	Bald Head Island Limited	PO Box 3069, Bald Head Island, NC 28461	1301 Ferry Rd.
2220000601	E	Pfizer Inc.	235 East 42nd Street, New York, NY 10017	1350 Ferry Rd. SE
2220000607	F	Southport Trading CO Pfizer TR LLC	PO Box 4893, Wilmington, NC 28406	

TABLE 2. PROPERTY OWNERS

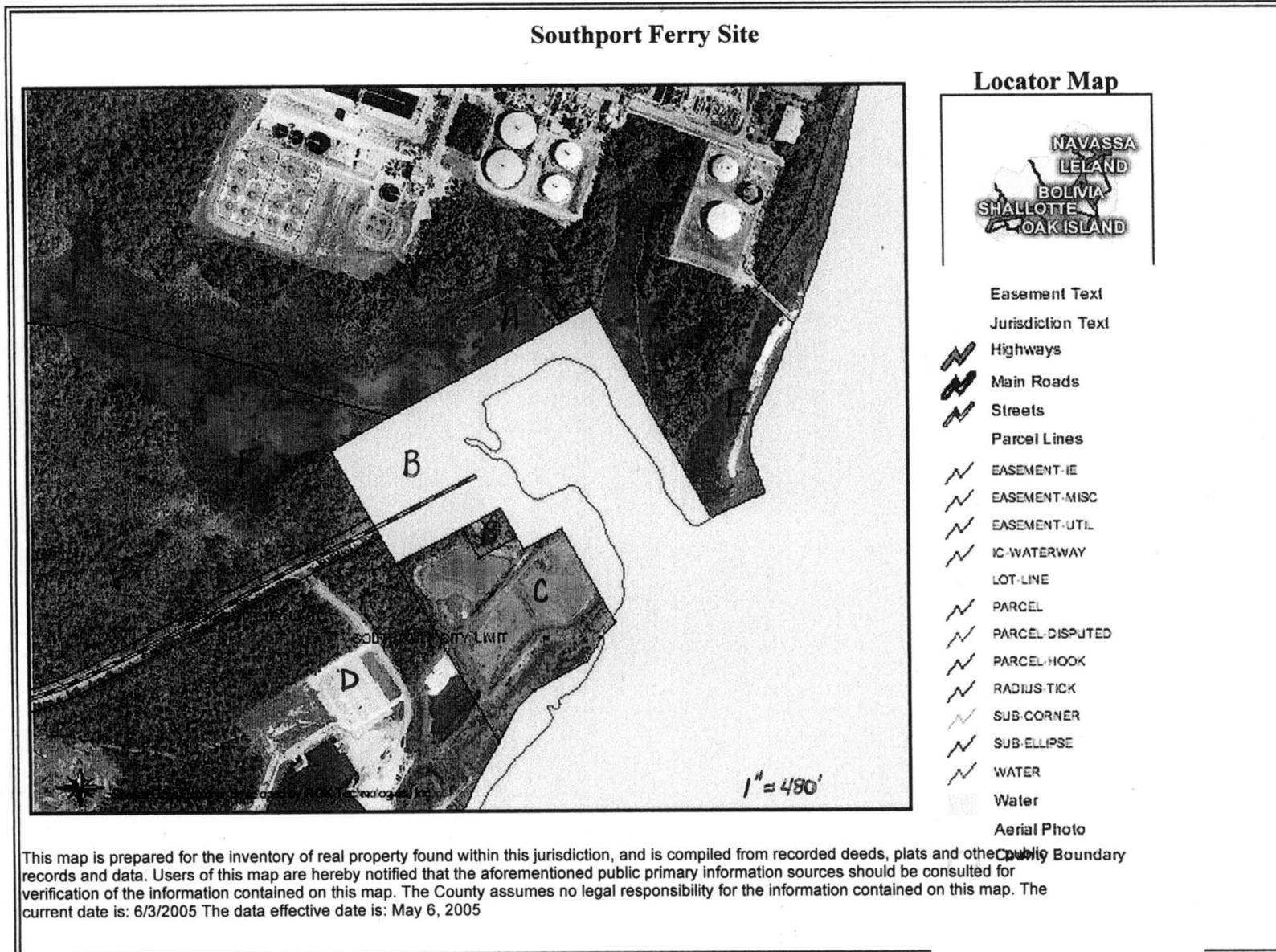


FIGURE 3. TAX MAP



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

1501 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1501

LYNDO TIPPETT
SECRETARY

November 30, 2005

Mr. David Peacock
UST Section
127 Cardinal Drive Extension
Wilmington, NC 28405-3845



RE: NCDOT-Southport Ferry
Incident # 32232
Sample Report

Dear David:

Attached is the soil and groundwater sample report for the 2 contamination incidents at Southport Ferry. There is no longer any free phase product in the monitor near the dock. However, some of the product has dissolved to form significant levels of various diesel constituents.

Two soil samples were collected from the north end of the tank pit to confirm contamination found in late 1992. One sample was clean and the other had a just a trace of C19-C36 range hydrocarbons on the MADEP EPH test. Based on these results, no contamination exceeding regulatory limits is present.

If you have questions, please call me at (919) 835-8007.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Motzno".

Eric Motzno, LG
Environmental Engineer

cc: Mr. Ron Mercer
Ferry Division

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
SOUTHPORT FERRY OPERATIONS
1350 FERRY ROAD, SOUTHPORT, BRUNSWICK COUNTY

In May 2005, the 2-inch fiberglass product on the diesel fueling system ruptured. The break in the line was repaired and tested in the first week of June. Figure 1 shows the location of the fuel system at the site. A small amount of contaminated soil and free product was excavated and stockpiled on site. The stockpile was later land applied at the DOT Maintenance facility in Shallotte. A shallow monitor well installed next to the release point indicated the presence of free phase diesel on the water table. In preparation for an Aggressive Fluid/Vapor Recovery (AFVR) event, a larger diameter (6-inch) recovery well was installed. Figure 2 shows the area of the release and location of the wells installed. An environmental consulting firm, Hart & Hickman, conducted 3 AFVR events between June 30 and July 28. Based on the Free Product Recovery Report by Hart & Hickman, dated August 17, 2005, approximately 55 gallons of product and 4000 gallons of liquid were recovered for the 3 events. The 55 gallons of product represents the approximate volume of the 2-inch product line, which is about 320 feet long. The Red Jacket line leak detector prevented more product from being lost.

Prior to the AFVR events, the recovery well, RW-1 contained free-product and was not sampled. At the conclusion of the last AFVR event on July 28, 2005 the well was sampled. RW-1 was re-sampled on October 12, 2005. The results of both sample events are shown in Table 1, Groundwater Sample Results. The lighter compounds show a decrease in concentrations whereas the heavier, diesel compounds increased. This may be due to rate at which the diesel compounds go into dissolved phase. The well is gauged for free product every 2 weeks and no product has been measured.

In an unrelated incident at the same site, soil contamination was report in late 1992. After reviewing the files for this site, no standard tank closure report could be located. Table 2, Underground Storage Tanks provides information about former and presently in-use tanks. The files did contain information about several soil and groundwater sample events from 1990 to 1993. Tables 3 and 4, Soil Samples provide information about these samples.

On March 22, 1990, one soil sample was collected for tank #302-1, a 500-gallon tank. The location and product stored of this tank is unknown. The sample was analyzed by a Hanby test kit and was found to be clean. On March 27, 1990, two soil samples were collected from between the two 10,000-gallon diesel tanks (#302-9 and 302-10). The samples were labeled HB-1 and 2. These samples were analyzed by a Hanby test kit and were found to be clean.

On June 20, 1990, a groundwater sample was collected from a boring between the 2 diesel tanks. The sample was analyzed by a Hanby test kit and was found to be clean.

On July 8, 1991, 4 soil samples were collected from the area of the diesel tank pit. Based on the field notes, a sample was collected from each end of each tank. The samples were analyzed by a Hanby test kit and found to be clean.

In late October 1992, the diesel tanks were removed and 4 soil samples were collected. The samples were labeled 1-North, 2-South, 3-East, and 4-West. The exact location of the sample points is unknown. The new tanks were installed a few days later in the same pit. Samples 1 and 2 were contaminated. On February 19, 1993, groundwater samples were collected from the 2 observation wells installed in the tank pit. These samples were analyzed by EPA Method 610 and were found to be clean. No further work was performed for this area until recently. The lab results for the 1990-1993 samples are found in Appendix A.

On October 12, 2005, two soil samples were collected from the north side of the tank pit. Figure 3 shows the location of the sample points. They were submitted to Analytics Corporation with the site name Southport Ferry. These samples were analyzed by EPA Methods 8260 and 8270 and MADEP EPH and VPH. SS-1 was clean with no detection of target compounds. SS-2 was found to contain 10.3 ppm of C19-C36 range aliphatics on the EPH test. No other target compounds were detected. The lab report from Analytics for these 2 soil samples as well as the groundwater sample of the recovery well is found in Appendix B. Based on these results, the tank pit area is clean.

ERRATA

DENR

Correspondence

UST #: WI-1491

CD# 291

INC 17758

SOUTHPOW Ferry USTS



State of North Carolina
 Department of Environment, Health, and Natural Resources
 Wilmington Regional Office

James G. Martin, Governor
 William W. Cobey, Jr., Secretary

Bob Jamieson
 Regional Manager

DIVISION OF ENVIRONMENTAL MANAGEMENT

Groundwater Section

December 8, 1992

NC DOT Ferry Division
 P. O. Box 40
 Manns Harbor, North Carolina 27953
 Attn: Mr. C. R. Ethridge

Subject: Tank Closure Report
 Southport Ferry
 Southport
 Brunswick County

Dear Mr. Mr. Ethridge:

Thank you for notifying us of the closure of your tanks at the subject location. Before we can accept your report for purposes of removing the tanks from our records, however, we need the following information:

- Completed GW/UST-2 Site Investigation Report (attached)
- Written report called for on back of GW/UST-2
- Site sketch called for on back of GW/UST-2
- Laboratory report of soil or groundwater analysis
- Disposition of tank(s) and/or contaminated soil
- Date of closure and name of closure contractor

Please furnish the required information to me at the address at the bottom of this letter. Thank you for your cooperation.

Sincerely,

Deborah Mayo
 Hydrogeological Technician

DTM/lfc

cc: WiRO-GWS ✓

UST\DOTFERRY.TCR
 12/07-92

ERRATA

Responsible

Party

Correspondence

UST #: WI-1491

CD 291

MC 17758

SOUTHPORT Ferry Usts

(GW/UST-2) Site Investigation Report For Permanent Closure or Change-in-Service of U.S.T.

<p>FOR TANKS IN NC</p>	<p>Return Completed Form To: The appropriate DEM Regional Office according to the county of the facility's location. [SEE MAP ON REVERSE SIDE OF OWNERS COPY (PINK) FOR REGIONAL OFFICE ADDRESS].</p>	<p>State Use Only I.D. Number _____ Date Received _____</p>
-------------------------------	--	---

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)	II. Location of Tank(s)
Owner Name (Corporation, Individual, Public Agency, Other Entity) NC DOT FERRY DIVISION Street Address SR 1105 P.O. BOX 40 County WANNAS HARBOR NC 27953 City 919 State 473-3461 Zip Code Area Code Telephone Number	Facility Name or Company NC DOT South Port Ferry Operations Facility ID # (if available) 1606 Street Address or State Road Ferry Road P.O. Box 0028 Brunswick South Port 28461 County 919 City 457-6942 Zip Code Area Code Telephone Number

III. Contact Person

Closure Contractor Name CRETHRIDGE PLANT MAINTENANCE SUP.		Telephone No. (Area Code) 919 473 3461
Closure Contractor Job Title CHA Equip Contractor Equip Service		Telephone No. (Area Code) 919 752-3900
Lab Name STATE LAB Raleigh N.C.		Telephone No. (Area Code) 919 733 3532
Lab Address (Address)		Telephone No. (Area Code)

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notable Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	20,000		#2 Diesel		X	X	X		X
2	20,000		#2 Diesel		X	X	X		X

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

VII. Check List

Check the activities completed.

NOV 9 1992

- Contact local fire marshal
 - Notify DEM Regional Office before abandonment.
 - Drain & flush piping into tank.
 - Remove all product and residuals from tank
 - Excavate down to tank.
 - Clean and inspect tank.
 - Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures.
 - Cap or plug all lines except the vent and fill lines.
 - Purge tank of all product & flammable vapors.
 - Cut one or more large holes in the tanks.
 - Backfill the area.
- Date Tank(s) Permanently closed: **11-23-92**
 Date of Change-in-Service: **11-4-92**

- ABANDONMENT IN PLACE**
- Fill tank until material overflows
 - Plug or cap all openings;
 - Disconnect and cap or remove vent line
 - Solid inert material used - specify: _____

- REMOVAL**
- Create vent hole
 - Label tank
 - Dispose of tank in approved manner
 - Final tank destination: **CHA Equip Service**

VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative CRETHRIDGE PLANT MAINT SUP	Signature 	Date Signed 11-6-92
--	---------------	-------------------------------

Notification for Underground Storage Tanks

FORM APPROVED
OMB NO. 2050-0049
APPROVAL EXPIRES 6-30-88

**FOR
TANKS
IN
NC**

**RETURN
COMPLETED
FORM
TO**

Div. of Environmental Mgmt./GW Section
Dept. of Natural Resources & Comm. Development
P.O. Box 27687
Raleigh, NC 27611

(919) 733-5083

I.D. Number

STATE USE ONLY

Date Received

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means —

(a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and

(b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: 1. gasoline, used oil, or diesel fuel, and 2. industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:

1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
2. tanks used for storing heating oil for consumptive use on the premises where stored;
3. septic tanks;

4. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;

5. surface impoundments, pits, ponds, or lagoons;

6. storm water or waste water collection systems;

7. flow-through process tanks;

8. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;

9. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), with the exception of those substances regulated as hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

Where To Notify? Completed notification forms should be sent to the address given at the top of this page.

When To Notify? 1. Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. 2. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

INSTRUCTIONS

Please type or print in ink all items except "signature" in Section V. This form must be completed for each location containing underground storage tanks. If more than 5 tanks are owned at this location, photocopy the reverse side, and staple continuation sheets to this form.

Indicate number of continuation sheets attached

I. OWNERSHIP OF TANK(S)

Owner Name (Corporation, Individual, Public Agency, or Other Entity)

NCDOT FERRY DIVISION

Street Address

SR 1105 PO BOX 40

County

DARE

City

MANNS HARBOR

State

NC

ZIP Code

27953

Area Code

919

Phone Number

473-3461

Type of Owner (Mark all that apply)

Current

State or Local Gov't

Private or Corporate

Former

Federal Gov't (GSA facility I.D. no. _____)

Ownership uncertain

II. LOCATION OF TANK(S)

(If same as Section I, mark box here)

Facility Name or Company Site Identifier, as applicable

NCDOT South Port Ferry Ops

Street Address or State Road, as applicable

BRUNSWICK

County

SOUTH PORT

State

NC

ZIP Code

28461

City (nearest)

State

ZIP Code

Indicate number of tanks at this location

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands

III. CONTACT PERSON AT TANK LOCATION

Name (If same as Section I, mark box here)

EARL MILLER

Job Title

Area Code

919

Phone Number

457-6942

IV. TYPE OF NOTIFICATION

Mark box here only if this is an amended or subsequent notification for this location.

V. CERTIFICATION (Read and sign after completing Section VI.)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Name and official title of owner or owner's authorized representative

CR ETNRIODE PLANTMAINTS

Signature

[Signature]

Date Signed

11-6-92

CONTINUE ON REVERSE SIDE

VI. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)

Tank Identification No. (e.g., ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No.	Tank No.	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply <input checked="" type="checkbox"/>) Currently in Use Temporarily Out of Use Permanently Out of Use Brought into Use after 5/8/86	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2. Estimated Age (Years)					
3. Estimated Total Capacity (Gallons)					
4. Material of Construction (Mark one <input checked="" type="checkbox"/>) Steel Concrete Fiberglass Reinforced Plastic Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5. Internal Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection Interior Lining (e.g., epoxy resins) None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6. External Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection Painted (e.g., asphaltic) Fiberglass Reinforced Plastic Coated None Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7. Piping (Mark all that apply <input checked="" type="checkbox"/>) Bare Steel Galvanized Steel Fiberglass Reinforced Plastic Cathodically Protected Unknown Other, Please Specify _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input checked="" type="checkbox"/>) a. Empty b. Petroleum Diesel Kerosene Gasoline (including alcohol blends) Used Oil Other, Please Specify _____ c. Hazardous Substance Please Indicate Name of Principal CERCLA Substance _____ OR Chemical Abstract Service (CAS) No. _____ Mark box <input checked="" type="checkbox"/> if tank stores a mixture of substances d. Unknown	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9. Additional Information (for tanks permanently taken out of service) a. Estimated date last used (mo/yr) b. Estimated quantity of substance remaining (gal.) c. Mark box <input checked="" type="checkbox"/> if tank was filled with inert material (e.g., sand, concrete)	/	/	/	/	/
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(GW/UST-1) Notification For All Existing* Underground Storage Tanks

- * Note: 1) "Existing" means UST's installed on or before 12/22/68.
 2) For UST installed after 12/22/68 or upgraded to meet Federal and/or State Regulations, do not submit this form. Submit GW/UST-8 "Notification For All New or Upgraded USTs."

FOR TANKS IN NC	RETURN COMPLETED FORM TO	N.C. Dept. Environment, Health, & Natural Resources Division of Environmental Mgmt./Groundwater Section P.O. Box 27687 Raleigh, NC 27611	STATE USE ONLY
		Telephone (919) 733-8303	I.D. NUMBER _____ DATE RECEIVED _____

GENERAL INFORMATION

Notification is required by Federal law for all underground tanks that have been used to store regulated substances since January 1, 1974, that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as amended.*

The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hazardous substances. It is expected that the information you provide will be based on reasonably available records, or, in the absence of such records, your knowledge, belief, or recollection.

Who Must Notify? Section 9002 of RCRA, as amended, requires that, unless exempted, owners of underground tanks that store regulated substances must notify designated State or local agencies of the existence of their tanks. Owner means: (a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that date, any person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances, and (b) in the case of any underground storage tank in use before November 8, 1984, but no longer in use on that date, any person who owned such tank immediately before the discontinuation of its use.

What Tanks Are Included? Underground storage tank is defined as any one or combination of tanks that (1) is used to contain an accumulation of "regulated substances," and (2) whose volume (including connected underground piping) is 10% or more beneath the ground. Some examples are underground tanks storing: gasoline, used oil, diesel fuel, industrial solvents, pesticides, herbicides or fumigants.

What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:
 1. farm or residential tanks of 1,100 gallons or less capacity used for storing motor fuel for noncommercial purposes;
 2. tanks of 1,100 gallons or less capacity used for storing heating oil for consumptive use on the premises where stored;

3. underground storage tanks of more than 1,100 gallon capacity used for storing heating oil for consumptive use on the premises where stored by four or fewer households;
4. septic tanks;
5. pipeline facilities (including gathering lines) regulated under the Natural Gas Pipeline Safety Act of 1968, or the Hazardous Liquid Pipeline Safety Act of 1979, or which is an intrastate pipeline facility regulated under State laws;
6. surface impoundments, pits, ponds, or lagoons;
7. storm water or waste water collection systems;
8. flow-through process tanks;
9. liquid traps or associated gathering lines directly related to oil or gas production and gathering operations;
10. storage tanks situated in an underground area (such as a basement, cellar, mineworking, drift, shaft, or tunnel) if the storage tank is situated upon or above the surface of the floor.

What Substances Are Covered? The notification requirements apply to underground storage tanks that contain regulated substances. This includes any substance defined as hazardous in section 101 (14) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), with the exception of those substances regulated or hazardous waste under Subtitle C of RCRA. It also includes petroleum, e.g., crude oil or any fraction there of which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute).

When To Notify? Owners of underground storage tanks in use or that have been taken out of operation after January 1, 1974, but still in the ground, must notify by May 8, 1986. Owners who bring underground storage tanks into use after May 8, 1986, must notify within 30 days of bringing the tanks into use.

Penalties: Any owner who knowingly fails to notify or submits false information shall be subject to a civil penalty not to exceed \$10,000 for each tank for which notification is not given or for which false information is submitted.

* The North Carolina General Statutes 143-215.94C requires that tank fees be paid on commercial petroleum underground storage tanks including commercial heating oil tanks.

INSTRUCTIONS

Please type or print all items except "signature". This form must be completed for each facility containing underground storage tanks. If more than 5 tanks are owned at a facility, photocopy necessary sheets and staple to this form.

Indicate number of continuation sheets attached

I. OWNERSHIP OF TANK(S)

NC DOT Ferry Division
 Owner Name (Corporation, Individual, Public Agency, or Other Entity)

Cell 105 P.O. Box 40
 Street Address

DARE
 County

Marine Harbor N.C. 27953
 City State Zip Code

419 473-3461
 Area Code Phone Number

II. LOCATION OF TANK(S)

(If same as Section 1, mark box here)

NC DOT South Port Ferry Div
 Facility Name or Company Site Identifier

Ferry Rd. P.O. Box 0028
 Street Address or State Road

Brunswick
 County

South Port N.C. 28461
 City (nearest) Zip Code

Type of Owner (Mark all that apply)

Current State or Local Gov't Private or Corporate

Former Federal Gov't (GSA facility I.D. no. _____) Ownership Uncertain

Facility # if assigned 1606

Indicate number of regulated tanks at this location.....

Indicate number of all tanks at this location.....

Mark box here if tank(s) are located on land within an Indian reservation or on other Indian trust lands.....

III. CONTACT PERSON AT TANK LOCATION

Name (if same as Section I mark here) Job Title Area Code Phone Number

IV. DISCIPTION OF ALL EXISTING USTs AT THIS FACILITY

Tank Identification No. e.g., (ABC-123), or Arbitrarily Assigned Sequential Number (e.g., 1,2,3...)	Tank No. #1	Tank No. #2	Tank No.	Tank No.	Tank No.
1. Status of Tank (Mark all that apply <input checked="" type="checkbox"/>) Currently in Use <input type="checkbox"/> Brought into Use after 5/8/86 <input type="checkbox"/> Date Temporarily Closed <input type="checkbox"/> Date Permanently Closed <input type="checkbox"/> Tank Removed or Closed In Place <input type="checkbox"/>	11-6-92	11-6-92			
2. Age (Years)	NEW	NEW			
3. Total Capacity (Gallons)	10,000	10,000			
4. Materials of Construction (Mark one <input checked="" type="checkbox"/>) Steel <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Fiberglass Reinforced Plastic <input type="checkbox"/> Unknown <input type="checkbox"/> Other, Please Specify <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Internal Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection <input type="checkbox"/> Interior Lining (e.g., epoxy resins) <input type="checkbox"/> Fiberglass Reinforced Plastic Coated <input type="checkbox"/> None <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Other, Please Specify <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. External Protection (Mark all that apply <input checked="" type="checkbox"/>) Cathodic Protection <input type="checkbox"/> Painted (e.g., asphaltic) <input type="checkbox"/> Fiberglass Reinforced Plastic Coated <input checked="" type="checkbox"/> None <input type="checkbox"/> Unknown <input type="checkbox"/> Other, Please Specify <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Piping (Mark all that apply <input checked="" type="checkbox"/>) Bare Steel <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Fiberglass Reinforced Plastic <input checked="" type="checkbox"/> Cathodically Protected <input type="checkbox"/> Unknown <input type="checkbox"/> Other, Please Specify <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Substance Currently or Last Stored in Greatest Quantity by Volume (Mark all that apply <input checked="" type="checkbox"/>) a. Empty <input type="checkbox"/> b. Petroleum <input checked="" type="checkbox"/> Diesel <input checked="" type="checkbox"/> Kerosene <input type="checkbox"/> Gasoline (including alcohol blends) <input type="checkbox"/> Used Oil <input type="checkbox"/> Other, Please Specify <input type="checkbox"/> c. Hazardous Substance <input type="checkbox"/> Please Indicate Name of Principal CERCLA Substance <input type="checkbox"/> OR Chemical Abstract Service (CAS) No. <input type="checkbox"/> d. Tank stores a mixture of substances <input type="checkbox"/> e. Unknown <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

V. FINANCIAL RESPONSIBILITY (if applicable)

I have financial responsibility in accordance with CFR 280 Subpart H.

Method: NC DOT

Insurer: _____

Policy Number: _____

VI. CERTIFICATION (Read and Sign After Completing Section I Thru V .)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

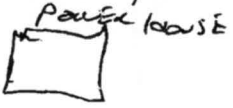
CRETHRIDGE PLAST MINT.
 Name and official title of owner or owner's authorized representative

[Signature]
 Signature

11-6-92
 Date Signed



FERRY Ramp's



EAST

N.



WEST.



NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
MATERIALS AND TESTS
1807 BLUE RIDGE ROAD
RALEIGH, N.C. 27607 (919)733-3532

SAMPLE COLLECTION, CUSTODY, AND RECEIPT FORM

Req 9751590

JOB NO. Per. 700285
well # 1606

BY: C. L. ETHEWELL
DATE: South Point
BY: C. L. ETHEWELL

GROUNDWATER SOIL WASTEWATER
OTHER

DATE: 11-3-90

TIME: 11:00 AM

REF. SAMPLE SHIPPED CHILLED? YES NO
NUMBER OF CONTAINERS (4)

ANALYSIS LOCATION North South East West
INTEGRATED STATE

ANALYSIS REQUIREMENTS Total Petroleum Hydrocarbons

SHIPMENT

DATE _____ TIME _____ [] AM [] PM
DATE _____ TIME _____ [] AM [] PM

SAMPLE RECEIVING

DATE OF RECEIPT _____
BY _____



North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Division of Waste Management
Underground Storage Tank Section

Dexter R. Matthews, Director

January 9, 2006

Mr. Eric Motzno
NCDOT – Equipment & Inventory Control Unit
4809 Beryl Road
Raleigh, NC 27606

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Southport Ferry USTs
SR 1540, Southport
Brunswick County
Incident Number (if applicable): 17758
Risk Classification: Low
Ranking: LOR

Dear Mr. Motzno:

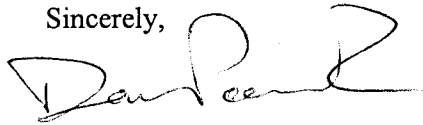
The Underground Storage Tank (UST) Soil Contamination Report received by the Underground Storage Tank (UST) Section, Wilmington Regional Office on December 6, 2005 has been reviewed. The review indicates that after tank closure or soil excavation soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,



David Peacock
Hydrogeological Tech. II
Wilmington Regional Office

cc: Brunswick County Health Department
WiRO-UST

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 486-1541

Mooreville (MOR) – 610 East Center Avenue, Suite 301, Mooreville, NC 28115 (704) 663-1699

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

Winston-Salem (WS) – 585 Waughtown Street, Winston-Salem, NC 27107 (336) 771-4600

Guilford County Environmental Health, 1203 Maple Street, Greensboro, NC 27405, (336) 641-3771

FTP: NFA closure NOR1205.dot



North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Division of Waste Management
Underground Storage Tank Section

Dexter R. Matthews, Director

February 8, 2007

Mrs. Althea T. Scheid
815 Meadow Lane
Calabash, NC 28467

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Scheid Estate
1040 River Road, Calabash
Brunswick County
Incident Number (if applicable): 32381
Risk Classification: Low
Ranking: LOR

Dear Mrs. Scheid:

The Underground Storage Tank (UST) 20-Day Report received by the Underground Storage Tank (UST) Section, Wilmington Regional Office on January 29, 2007 has been reviewed. The review indicates that after tank closure or soil excavation soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411. The review also indicates that, although groundwater was encountered during the initial abatement process, groundwater contamination does not exceed the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,



David Peacock
Hydrogeological Tech. II
Wilmington Regional Office

cc: Brunswick County Health Department
Mr. Joseph Zuncich, Applied Resource Management P.C. -- Hampstead
Ms. Elva Jess, Failey, Jess, Isenberg & Thompson - Southport
~~Wilmington~~

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

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Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 585 Waughtown Street, Winston-Salem, NC 27107 **(336) 771-5000**

Guilford County Environmental Health, 1203 Maple Street, Greensboro, NC 27405, **(336) 641-3771**

FTP: NFA closure-IAA NOR0606.dot

473SERBSF3019



DocumentID NCD075578385

Site Name PFIZER INC/THOMAS PHILLIPS

DocumentType Preliminary Assessment/Site Inspection (PA/SI)

RptSegment 1

DocDate 6/1/1989

DocRcvd 6/1/1989

Box SF3019

AccessLevel Public

Division Waste Management

Section Superfund

Program SERB (SERB)

DocCat Facility

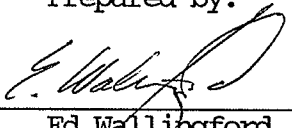
SITE SCREENING INVESTIGATION REPORT

Pfizer, Inc
NCD 075 578 385
Moore, St. (SR 1528)
Brunswick County (10)

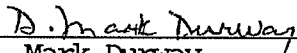
June 1989

Superfund Branch
Solid Waste Management Section
North Carolina Division of Health Services

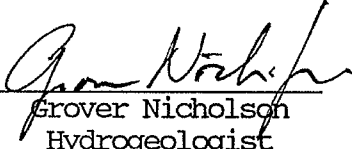
Prepared by:


Ed Wallingford
Environmental Chemist
Project Leader

Assisted by:


Mark Durway
Geologist
Project Investigator

Assisted by:


Grover Nicholson
Hydrogeologist
Project Investigator



Southport NC
US

Notes:

• THE AMOCO • ULTIMATE • bp

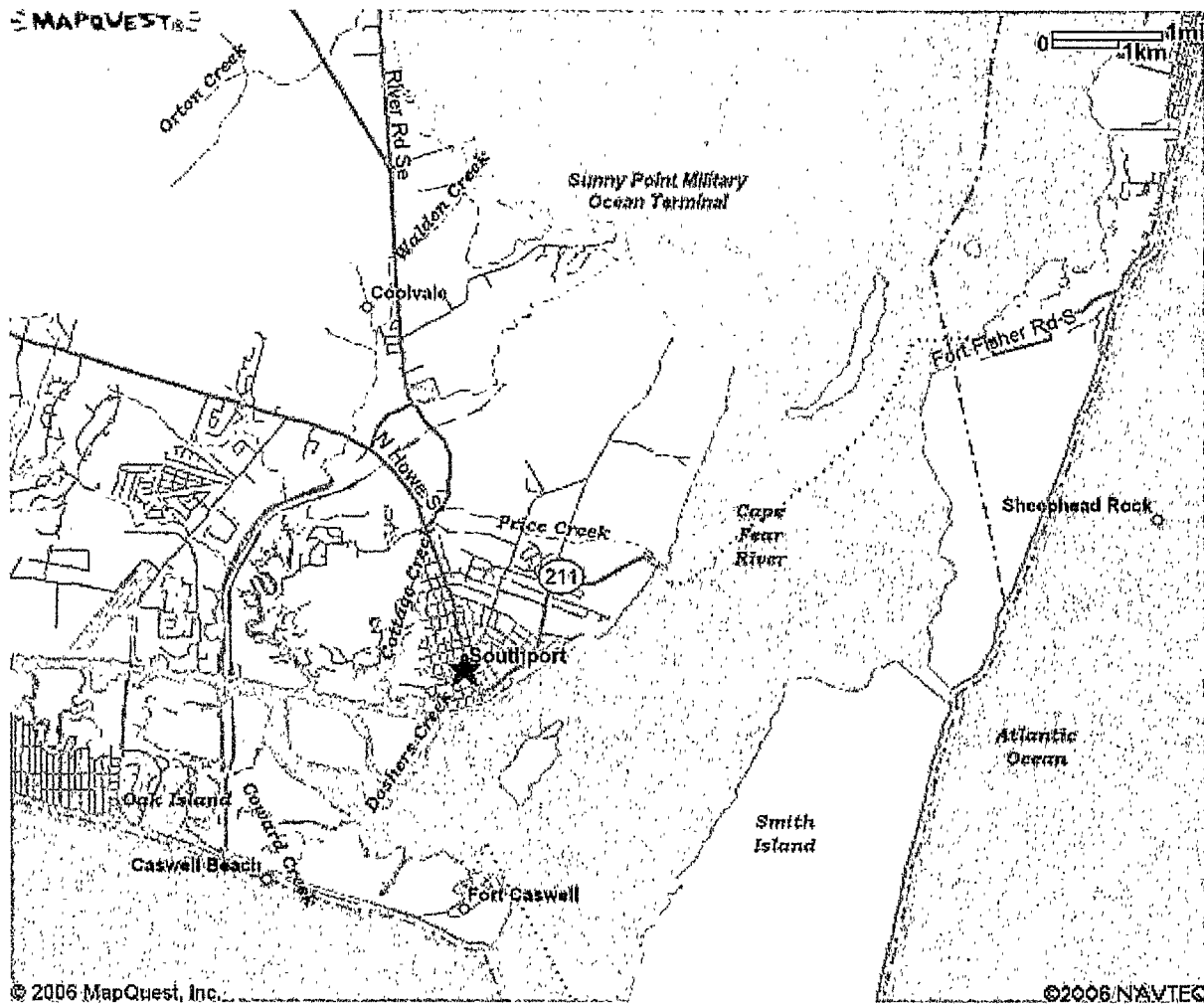
ROAD TOUR

SWEESTAKES



ENTER NOW

YOU COULD WIN A TRIP FOR 4 TO ONE OF 5 DESTINATIONS



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This map is informational only. No representation is made or warranty given as to its content. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.



North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

26 June 1989

Mr. Robert Morris
NC CERCLA Project Officer
345 Courtland Street, NE
Atlanta, GA 30365

RE: Screening Site Investigation
Pfizer, Inc. - NCD075578385
Moore Street (SR 1528), Southport, NC 28461
Brunswick, County (10)
Congressional District - 07

Dear Mr. Morris:

Enclosed please find the Screening Site Investigation report for the subject site.

Pfizer, Inc. is a manufacturer of citric acid, potassium citrate, sodium citrate, and gypsum. Pfizer has been in operation at its current location since the plant was built on farmland in 1976. The facility contains three tracts of land that are used for landfarming non-hazardous process waste. These tracts occupy a total of approximately 2500 acres. The processing waste consists of a mycelium yeast biomass and a "carbon cake mud". The biomass is comprised of spent fermentation cells, and because of its high nitrate content, is currently distributed to area farmers as fertilizer. The "carbon cake mud" is a waste product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water. It is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the "cake mud" was determined to be approximately 0.7% on a weight/weight basis.

Pfizer, Inc. is not a RCRA listed facility. The company maintains a non-discharge permit for the land application of the biomass waste and the "carbon cake mud" with the NC NRCD-Division of Environmental Management. As a requirement of the permit, twenty-four monitoring wells have been installed at the three landfarming areas and are periodically sampled. Data from these wells have indicated elevated levels of nitrates. In response, the company has developed a ground water remediation plan that will address this problem.

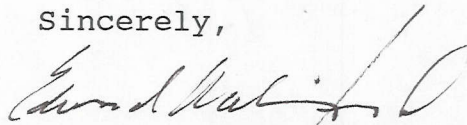
Samples of soil and groundwater were collected by the NC Superfund Branch on 28 March 1989 and 4 March 1989. Elevated levels of total barium (120 and 429 mg/Kg) were detected in the soil at two of the landfarming areas. Background soil from the area had 7.8 mg/Kg of total barium. No other significant concentrations of hazardous substances were detected. However, monitoring well data from 1986 indicate barium levels in groundwater ranging from <0.01 to 0.15 mg/l. These groundwater levels are below the drinking water standard of 1.0 mg/l.

Approximately 2983 and 2994 people within 3 and 4 miles (respectively) of the site use groundwater as a sole source of drinking water. The nearest well is located essentially adjacent to one of the landfarming areas. The community wells for the City of Southport (population 2824) are located within one mile of one of the landfarming areas. No critical habitats are located within three miles of the site. There are, however, extensive coastal wetlands in, and around, the site areas.

Apparently, the application of Pfizer, Inc.'s waste by-products have caused increased levels in total barium in the soil. Elevated levels of barium were also detected in groundwater samples taken in 1986; however, the levels were below the drinking water standard.

If you have any questions, please call me at (919) 733-2801.

Sincerely,



Edward D. Wallingford
Environmental Chemist
NC DHR/DHS Superfund Branch

cc: Kelly Cain

Table of Contents

Executive Summary

- 1.0 Background
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 - 1.2 Site Layout
 - 1.3 Ownership History
 - 1.4 Site Use History
 - 1.5 Permit and Regulatory History
 - 1.6 Remedial Actions to Date
 - 1.7 Summary Trip Report

 - 2.0 Environmental Setting
 - 2.1 Topography
 - 2.2 Surface Water
 - 2.3 Geology, Soils, and Groundwater
 - 2.4 Climate and Meteorology
 - 2.5 Land Use
 - 2.6 Population Distribution and Water Supply
 - 2.7 Critical Environments

 - 3.0 Waste Types and Quantities

 - 4.0 Laboratory Data

 - 5.0 Toxicological/Chemical Characteristics
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- Appendix A: Maps and Photographs

 - Appendix B: Laboratory Data

 - Appendix C: References

 - Appendix D: Site Inspection Form

 - Appendix E: Site Safety Plan

EXECUTIVE SUMMARY

Pfizer, Inc. is a manufacturer of citric acid, potassium citrate, sodium citrate, and gypsum. Pfizer has been in operation at its current location since the plant was built on farmland in 1976. The facility contains three tracts of land that are used for landfarming non-hazardous process waste. These tracts occupy a total of approximately 2500 acres. The processing waste consists of a mycelium yeast biomass and a "carbon cake mud". The biomass is comprised of spent fermentation cells, and because of its high nitrate content, is currently distributed to area farmers as fertilizer. The "carbon cake mud" is a waste product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water. It is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the "cake mud" was determined to be approximately 0.7% on a weight/weight basis.

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Approximately 2983 and 2994 people within 3 and 4 miles (respectively) of the site use groundwater as a sole source of drinking water. The nearest well is located essentially adjacent to one of the landfarming areas. The community wells for the City of Southport (population 2824) are located within one mile of one of the landfarming areas. No critical habitats are located within three miles of the site. There are, however, extensive coastal wetlands in, and around, the site areas.

1.0 BACKGROUND

1.1 Site Location

The Pfizer, Inc. main facility is located on SR 1528 (Moore Street), approximately 1.0 mile northeast of the Southport, NC (see Map 1). The site is actually comprised of three landfarming areas that are located within a three mile radius of the plant (see Maps 2 and 3). Geographical coordinates for Pfizer's manufacturing area are: latitude 33° 56' 20" and longitude 077° 59' 45" (see Map 2).

1.2 Site Layout

Map 3 shows the site layout for the Pfizer, Inc. site. The site is comprised of three separate landfarming areas that are located within a three mile radius of the Pfizer plant. "Tracts 1 & 2" landfarming area is 1702 acre parcel that surrounds the plant area (6). The area is bordered to the east by the Cape Fear River, and Southport to the south and southwest. The Swain Area is a 250 acre tract that is located between Nancy's Creek and White Springs Creek (6). This area is located roughly 1.5 miles north of Southport off of Bethel Church Road (SR 1525). The Dutchman's Creek area is 581 acre tract that is dissected by Dutchman's Creek and its tributaries (6). This area is located roughly 2.5 miles NNW of Southport between NC 130 and NC 303.

Other on-site land-units include a lined holding pond (which serves as a settling basin for gypsum), a gypsum pile, and two underground storage tanks which are used for diesel fuel and gasoline (1,2,3).

1.2 Ownership and Site Use History

Pfizer has been in operation at its current location since the plant was built on farmland in 1976 (1,5). Since 1976, Pfizer has bought several large sections of farmland in the Southport area:

- Tract 1 is a 1300 acre tract purchased in 1973/1974 from various landowners
- Tract 2 is a 402 acre parcel that was purchased in 1982 from Williams Coal Co. Williams Coal did not use this land which it had purchased from the McCracken Farm

- The Swain Area is a 250 acre tract that was purchased from various people in 1979/1980

- The Dutchman Creek Area is a 581 acre tract that was bought from the Lindner Farm in 1980. (5)

The Pfizer plant has been used for the manufacture of citric acid, potassium citrate, sodium citrate, and gypsum since its inception (1,2). The manufacturing process yields mycelium yeast biomass and "carbon cake mud" as waste by products (4,5,9). The biomass originates from the fermentation process. The "carbon cake mud" originates from process waste treatment and is reportedly comprised of carbon, perlite filter aid, gypsum, calcium citrate, calcium citrate, barium sulfate and water (5,9).

Currently, the biomass is distributed to area farmers as the fertilizer products "Nitrogro 1, Nitrogro 2 and Nitrogro 3" and is registered with the NC Department of Agriculture (8). The "carbon cake mud" is landfarmed on Pfizer property (5). Several different crops have been grown on the landfarmed areas including: corn, soybeans, tobacco, and wheat. These crops have been farmed by Pfizer personnel (9).

1.4 Permit and Regulatory History

Pfizer, Inc. is not a RCRA listed facility (1,5). The company maintains non-discharge permit #6150R2 and NPDES permit #NC0027065 for the land application of the biomass waste and the "carbon cake mud" (9,10). Other wastes generated at the plant are treated and discharged to the Cape Fear River under NPDES permit (1,3,8). Notification is on file at NC NRCD-DEM regarding the existence of two underground fuel storage tanks (2).

In 1978/79, Pfizer notified the Eckhardt committee that the facility's wastes had been landfarmed on a farm located adjacent the the facility. This farmland is now owned by Pfizer. The Eckhardt "Quick Look List" indicates that the wastes included metals, radioactive residues (with over 5 pico-curies per gram), organics, and inorganics. The inclusion of radioactive wastes on this list, however, was a mistake (1,2,4).

1.5 Remedial Actions to Date

Pfizer has installed 24 monitoring wells at various locations on the four landfarming areas (2,3,7). Water from these wells has been periodically monitored for several hazardous and non-hazardous constituents (12). The company has developed a ground water remediation plan that will

address the elevated nitrate levels; these levels occurred as a result of landfarming waste by-products (9,10,11,12).

1.6 Summary Trip Report (5)

On 28 March 1988, NC Superfund Branch personnel Ed Wallingford and Grover Nicholson conducted a field investigation of the Pfizer, Inc. site. Wallingford and Nicholson were met on-site with Plant Manager John Kane and Shipping and Receiving Manager Frank Smith. Mr. Kane and Mr. Smith provided the following:

Pfizer, Inc. is a manufacturer of citric acid, potassium citrate, and sodium citrate. The company also produces gypsum as a byproduct. Pfizer has been in operation at its current location since the plant was built on farmland in 1976. The facility consists of three tracts of land that occupy a total of approximately 2700 acres. These tracts are used for landfarming non-hazardous processing waste. This waste consists of a unspecified biomass and "carbon cake mud" from fermentation and other unit processes. "Carbon Cake Mud" is a waste product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water; it is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the cake mud was found to be approximately 0.7% on a weight/weight basis. Currently, the biomass is distributed to area farmers as fertilizer (high nitrate content) and the cake mud is landfarmed on company property. Pfizer maintains a permit for the application of both of the waste products (i.e. for "yeast cream spreading") with the NC NRCD-Division of Environmental Management. As a permit condition for operating the landfarm, twelve monitoring wells have been installed at the three landfarming areas.

Pfizer is not a RCRA facility. Sodium ferrocyanide is used in the manufacture of the company's products, however, it is used as an iron complexer and thus would yield ferro-ferrocyanide, a very stable compound. Radioactive wastes have never been produced at the facility and its inclusion on the 1978/1979 Eckhardt Survey List was a mistake. Drinking and process water for the facility is supplied by the Brunswick County water system.

After the meeting, Mr. Smith accompanied the investigators to the landfarming areas. Two groundwater samples were taken from monitoring wells at the Swain and Dutchman Creek landfarming areas. Surface soil samples were also taken at these locations. Background water and soil

samples were obtained at the private residence of Mr. Johnson Cumbee. Mr. Johnson's residence is located upgradient of the Swain and Dutchman Creek areas on Old Bethel Church Road (919/457-5156). An additional off-site groundwater sample was obtained at the residence of Mr. William Loeffler (919/457-6721). The Loeffler residence is located essentially adjacent and downgradient of the Pfizer landfarming tracts "1&2". The samples were submitted to DHR/DHS State Laboratory of Public Health for analysis.

2.0 ENVIRONMENTAL SETTING

2.1 Topography

The Pfizer, Inc. site resides in the southeastern section of Brunswick County. The county is a very low, flat, sandy plain that lies entirely within the Coastal Plain Province (14). Wide tidal swamps border short meandering streams that drain the areas adjacent to the coast. The Cape Fear River, which drains the site areas, is under tidal influence throughout its course along the eastern edge of the county (14). The site areas reside at elevations between 20 and 35 feet above mean sea level (MSL) (see Map 2). The entire area has slopes of less than 3% (see Map 2).

2.2 Surface Water

Because they course through the landfarmed areas, the following streams would be along the probable routes of surface runoff migration: Dutchman Creek, Walden and Price Creek (see Map 2). Downstream of these streams the following bodies of water would be in the migration pathway and thus may potentially be affected: the Cape Fear River, the Intracoastal Waterway, and the Atlantic Ocean. Sections of the Intracoastal Waterway, Cape Fear River and Dutchman Creek are classified as "SA" tidal salt waters (17). Usage for "SA" waters includes shellfishing for market purposes, primary recreation, fish and wildlife propagation, and secondary recreation. The other streams are classified as "SC" tidal salt waters. The usage of class "C" waters includes fish and wildlife propagation, secondary recreation, and other uses requiring waters of lower quality (17).

No surface water supply intakes are located along these migraton pathways (17).

2.3 Soils, Geology and Groundwater

Soils at the three landfarmed areas range from sand to loam to muck (16). Correspondingly, there is a wide range of permeabilities associated with these diverse soils (16). Map 4 shows the detailed soil mapping units, and reference keys for each of these units. Note that Foreston loamy fine sand, Goldsboro fine sandy loam, and Onslow fine sandy loam, are designated as prime farmland soils (16).

Bedrock can be found at depths up to 1500 feet under the site, and is composed chiefly of gneiss, schist, granite, and metavolcanics (14).

The oldest sedimentary formation in Brunswick County is the Tuscaloosa Formation of Late Cretaceous age. Where present, the Tuscaloosa is presumed to be a saline aquifer (14). Overlying the Tuscaloosa, uncomfortably, is the Black Creek Formation of Late Cretaceous age. This formation consists mainly of clay, but contains subordinate layers of fine sand and marl (14). A well log from nearby Fort Caswell, indicates that the top of the Black Creek is at 1,140 feet and the formation is 400 feet thick (14). The Peedee Formation, of Late Cretaceous age, lies uncomfortably on the Black Creek Formation. The thickness of the Peedee is roughly 900 feet thick in the site vicinity (14). The Castle Hayne Limestone of Eocene age overlies the Peedee Formation in the site region. The top of the limestone is generally at 60 feet throughout the area (14). The Castle Hayne aquifer is by far the most important supply of groundwater in the area, although a few wells tap the Peedee Formation (14,15). Water levels in the Castle Hayne are 15 - 20 feet below the surface, but at Southport are 20 -25 feet below the surface (14,15). Wells capable of yeilding more than 1000 gallons per minute can readily be developed in the Castle Hayne (15). On-site monitoring wells indicate static water levels that range 2 - 18 feet below the surface (12).

2.4 Climate and Meteorology

Average monthly temperatures range from above 48°F in January to above 80°F in July (Ref. 19). The average net annual precipitation is 8 inches (50 inches precipitation minus 42 inches evaporation); the one year, 24 hour rainfall is 3.5 inches (Refs. 19,20). The prevailing winds are generally from the south at a mean speed of 12 miles per hour (19).

2.5 Land Use

The site areas reside in the southeast section of Brunswick County. The immediate area around the landfarming areas is mostly rural residential, and agricultural. Located between the three landfarming areas is Carolina Power and Light's Brunswick Nuclear Power Plant. Sunny Point, a military ocean terminal, is located to the northeast of these areas. This terminal has no residents living at the base (26). Southport is the nearest town to the Pfiz facility, and in 1980 had a population of 2824 (21). Across the intracoastal waterway are the resort towns of Caswell Beach, Yaupon Beach and Long Beach (see Map 2).

2.6 Population Distribution and Water Supply

Brunswick County had a population density of 42 people per square mile, in 1980. At that time, the population of Southport was 2824 (21). If a four mile radius were drawn around all three landfarming areas, it would equal an area larger than 50.26 sq. miles (the area within a four mile radius). However, the area occupied by the Cape Fear River is uninhabited. Therefore, for the ease of calculation, it is assumed that if this uninhabited area is subtracted from the total area, then the area equals one four mile radius. The town of Southport would consequently reside somewhere between mile 2 and mile 3 of this four mile radius (see Map 2). Considering these assumptions, an estimate of the site demography is as follows:

- within 1-mile of the site	132
- within 2-miles of the site	528
<u>Southport population</u>	<u>+ 2824</u>
total	3352
- within 3-miles of the site	1187
<u>Southport population</u>	<u>+ 2824</u>
total	4001
- within 4-miles of the site	2111
<u>Southport</u>	<u>+ 2824</u>
total	4935

The water supply for those areas within four miles of the site areas are served by the Brunswick County water sytem, and the Town of Southport water system (highlighted in yellow and pink, respectively, on Map 2). Part of the four mile region was not evaluated because it is hydrogeologically isolated from the site. Both the Cape Fear River and the Intracoastal Waterway reportedly serve as an effective discontinuity to groundwater flow (25). The source for the Brunswick County water system is the Cape Fear River above Lock and Dam No.1 (23). Southport obtains its water from 2 area wells. The locations of these wells is shown on Map 2; the nearest well is about 3300 feet from the "Tracts 1 & 2 " landfarming area. Southport also supplements their water system with water from the Brunswick County system. Those not served by these systems, obtain water from private wells.

Approximately 2983 and 2994 people within 3 and 4 miles (respectively) of the site use groundwater as a sole source of drinking water (27). Groundwater is obtained from community, non-community, and private wells (22,24). The two community wells for the City of Southport are located within one mile of the "Tracts 1 & 2" site area (22,24,30). The nearest well to a landfarming area, is at the residence of Mr. William S. Loeffler (Shepherd Rd., Southport 28461); his property is located essentially adjacent to "Tracts 1 & 2" (see Map 2).

2.7 Critical Environments

There are no critical habitats within three miles of the site (18). There are, however, extensive coastal wetlands in and around the landfarming areas (see Map 2).

3.0 WASTE TYPES AND QUANTITIES

Pfizer, Inc. manufactures citric acid, potassium citrate, and sodium citrate by a fermentation process. The plant also produces gypsum (calcium sulfate) as a byproduct (1,2,5). The waste from the fermentation and other unit processes consists of mycelium yeast biomass and "carbon cake mud". "Carbon Cake Mud" is a waste by-product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water; it is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the cake mud was found to be approximately 0.7% on a weight/weight basis. The "cake mud" is usually dewatered to about 20% solids (9). Barium carbonate (BaCO_3) is used in the manufacturing process and reportedly yields barium sulfate (BaSO_4) (8). Sodium ferrocyanide was reportedly used as an iron complexer, however, its use was reportedly discontinued in 1982/83 (7). Radioactive wastes have never been produced at the facility and its inclusion on the 1978/1979 Eckhardt Survey List was a mistake (4).

Currently, the biomass is distributed to area farmers as fertilizer because of its high nitrogen content; the cake mud is landfarmed on company property at the three landfarming areas (5,7,8).

4.0 LABORATORY DATA

Map 6 shows the sampling locations for the site sampling visits of 28 March 1989 and 4 March 1989.

Soil samples were taken at the Dutchman Creek landfarming area (PZ-1), the Swain landfarming area (PZ-2), and at the residence of Mr. Johnson Cumbee (OS-2). The Cumbee residence, located at on Bethel Church Rd. (SR 1525), is approximately 0.4 miles upgradient of the Swain area. These samples were analyzed for total and extractable arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, by atomic absorption; cyanides were analyzed titrimetrically. On-site monitoring well samples were taken at the Dutchman Creek area from monitoring well #107, and at the Swain area from monitoring well #112. Off-site residential well samples were taken at the Cumbee residence and the residence of Mr. Loeffler. These samples were analyzed for totals of the previously listed inorganics. The only significant result was an elevated level of total barium in the Dutchman Creek and Swain area soil samples. The concentration were 120 mg/kg in the Dutchman Creek area and 429 mg/kg in the Swain area; background at the Cumbee residence was 7.8 mg/kg. Although the site levels are well above background, the typical abundance for barium in mineral soils is approximately 100 to 5000 mg/kg (13).

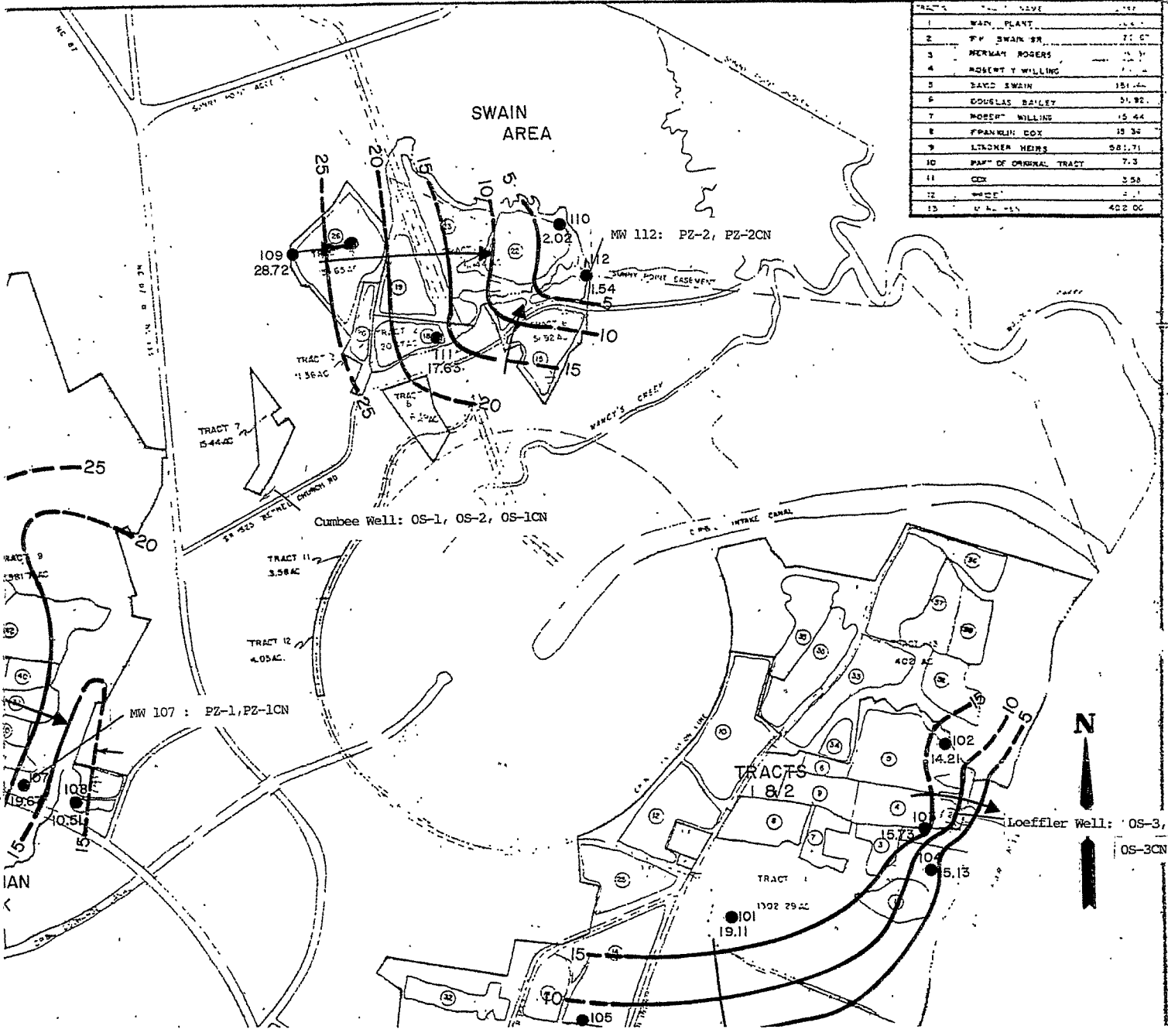
Monitoring well data from 1986 indicate barium levels in groundwater ranging from <0.01 to 0.15 ppm (12). This level is significant, but within the Drinking Water Standard of 1.0 ppm.

Organic constituents were analyzed by purge and trap gas chromatography/ mass spectrometry (GC/MS) and base, neutral, and acid extractables-GC/MS. No significant concentrations of organics were found in any of the samples.

5.0 TOXICOLOGICAL/CHEMICAL CHARACTERISTICS

The elevated levels of total barium that were detected in the Dutchman Creek and Swain areas were probably a result of the application of "carbon cake mud". This waste reportedly was found to contain approximately 0.7% barium sulfate on a weight/weight basis. Toxicological and chemical characteristics of barium sulfate and its corresponding feedstock, barium carbonate, are given as references 28 and 29. Although no significant concentrations of cyanides were detected, a reference for these compounds are also included (29).

TRACT #	OWNER	ACRES
1	WAIN PLANT	1.5
2	F. W. SWAIN SR.	7.0
3	MERMAN ROGERS	1.5
4	ROBERT T. WILLING	1.5
5	DAVID SWAIN	15.0
6	DOUGLAS BAILEY	5.0
7	ROBERT WILLING	15.0
8	FRANKLIN COX	15.0
9	LITCHER HEIRS	58.71
10	PART OF ORIGINAL TRACT	7.3
11	COX	3.58
12	WAIN	2.1
13	WAIN	402.00



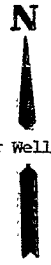
SWAIN AREA

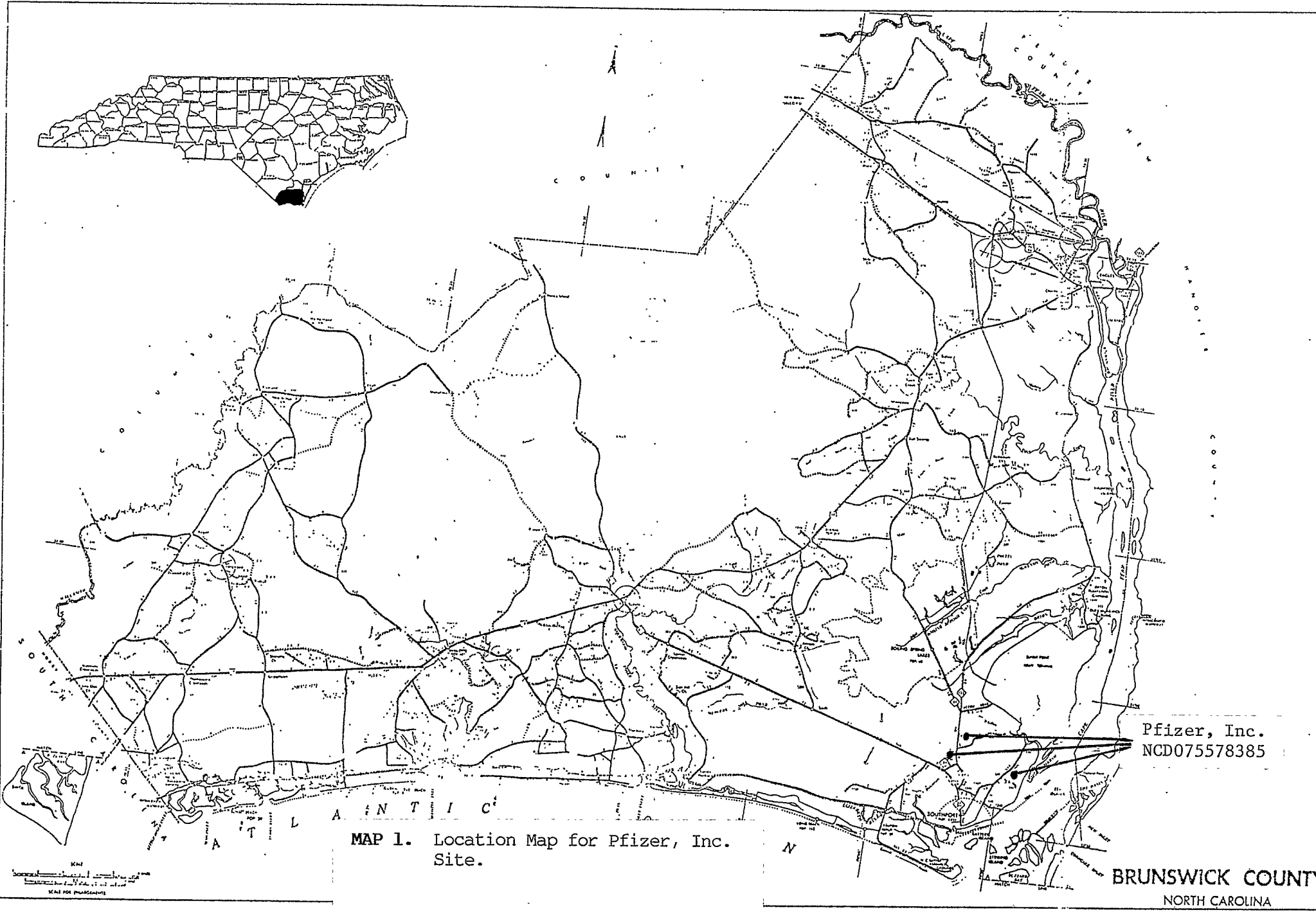
Cumbee Well: OS-1, OS-2, OS-1CN

MW 107 : PZ-1, PZ-1CN

MW 112: PZ-2, PZ-2CN

Loeffler Well: OS-3, OS-3CN





MAP 1. Location Map for Pfizer, Inc. Site.

Pfizer, Inc.
NCD075578385

BRUNSWICK COUNTY
NORTH CAROLINA

65SERBSF1004



DocumentID NCD986215671

Site Name ARCHER DANIELS MIDLAND PCB

DocumentType Preliminary Assessment/Site Inspection (PA/SI)

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State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Solid Waste Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



August 23, 1996

Ms. Cynthia Gurley
NC CERCLA Project Officer
US EPA Region IV Waste Division
100 Alabama Street, SW
Atlanta, GA 30303-3104

Subject: Combined Preliminary Assessment/Site Inspection
Archer Daniels Midland PCB Spill Site
Southport, Brunswick County, N.C.
NCD 986 215 671

Dear Ms. Gurley:

This report contains the findings of the Combined Preliminary Assessment/Site Inspection of the Archer Daniels Midland PCB Spill Site (NCD 986 215 671) located at East Moore Street Extension, northeast of Southport in Brunswick County, North Carolina.

The site is an active citric acid manufacturing facility located approximately 1 mile north-east of the Southport city limits in a rural section of Brunswick County. On May 5, 1992, oil was discovered to be leaking from a capacitor holding cabinet and collecting within a concrete berm which contained rain water. An estimated 2.5 gallons of oil containing PCB's was released. The oil/water had overflowed the berm onto the ground surface near a storm drain that empties into the Cape Fear River.

On May 11, 1992, clean-up and hazardous waste removal operations, under the guidance of US EPA Region IV Technical Assistance Team member Virginia Millar, were begun. The oil/water mixture was pumped from the berm and drummed. Soil in the spill area was excavated to a depth of 2 feet below land surface; clean sand was used to backfill the excavation. A total of 50, fifty-five gallon drums containing capacitors, oil/water mixture, sand, and linen cloths were transported off-site.

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Letter to Ms. Cindy Gurley
Archer Daniels Midland PCB Spill Site
August 23, 1996
pg. 2

Sampling for the ADM PCB Spill Site PA/SI (January 30, 1996) focused on sediment and surface water samples collected from the Cape Fear River with the assumption that the oil/water mixture was able to migrate through the storm sewer system to the river. The surface water pathway along the Cape Fear is a fishery and includes several sensitive environments. All samples were submitted to the NCDEHNR laboratory in Raleigh, NC for analysis. The analytical results for these samples indicate that PCB's from the spill site have not migrated to sediments and surface water of the surface water pathway. No groundwater samples were collected during the sampling event; the nearest drinking water well is 0.5-mile away from the spill area and no shallow aquifer groundwater users were identified.

Based upon the findings of the assessment, there are no immediate threats to human health and the environment. Therefore, it is recommended that no further action be taken under CERCLA or SARA at this time and that a "No Further Remedial Action Planned" (NFRAP) status be assigned to the Archer Daniels Midland PCB Spill Site. Please contact me at (919) 733-2801 if you have any questions regarding this report.

Sincerely,



G. Doug Rumford
Hydrogeologist
NC Superfund Section

COMBINED PRELIMINARY ASSESSMENT/SITE INSPECTION

**Archer Daniels Midland PCB Spill Site
NCD 986 215 671
Southport, Brunswick County, N.C.
Reference No. 05900**

August 1996

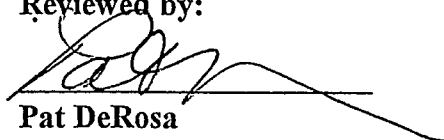
**Superfund Section
Division of Waste Management
North Carolina Department of Environment, Health
and Natural Resources**

Prepared by:



**G. Doug Rumford
Hydrogeologist**

Reviewed by:



**Pat DeRosa
Site Evaluation & Removal
Branch Head**

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Figure 1 Site Location Map 2

Figure 2 Site Map and Facility Drainage 3

EXECUTIVE SUMMARY

The Archer Daniels Midland PCB spill site is located at the Archer Daniels Midland Co. Facility located approximately 1 mile north-east of the Southport city limits in a rural section of Brunswick County. The facility, formerly owned by Pfizer, Inc., is an active citric acid manufacturing plant. On May 5, 1992, oil was discovered to be leaking from a capacitor holding cabinet and collecting within a concrete berm which contained rain water. An estimated 2.5 gallons of oil containing PCB's was released. The oil/water had overflowed the berm onto the ground surface near a storm drain that empties into the Cape Fear River.

On May 11, 1992, clean-up and hazardous waste removal operations, under the guidance of US EPA Region IV Technical Assistance Team member Virginia Millar, were begun. The oil/water mixture was pumped from the berm and drummed. Soil in the spill area was excavated to a depth of 2 feet below land surface; clean sand was used to backfill the excavation. A total of 50, fifty-five gallon drums containing capacitors, oil/water mixture, sand, and linen cloths were transported off-site to a RCRA permitted disposal facility.

Sampling for the ADM PCB Spill Site PA/SI (January 30, 1996) focused on sediment and surface water samples collected from the Cape Fear River with the assumption that the oil/water mixture was able to migrate through the storm sewer system to the river. The surface water pathway along the Cape Fear is a fishery and includes several sensitive environments. All samples were submitted to the NCDEHNR laboratory in Raleigh, NC for analysis. The analytical results for these samples indicate that PCB's from the spill site have not migrated to sediments and surface water of the surface water pathway. No groundwater samples were collected during the sampling event; the nearest drinking water well is 0.5-mile away from the spill area and no shallow aquifer groundwater users were identified.

Based upon the findings of the assessment, there are no immediate threats to human health and the environment. Therefore, it is recommended that no further action be taken under CERCLA or SARA at this time and that a "No Further Remedial Action Planned" (NFRAP) status be assigned to the Archer Daniels Midland PCB Spill Site.

1.0 INTRODUCTION

Under authority of the Comprehensive Environmental, Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Reauthorization Act of 1986 (SARA), North Carolina Superfund Section conducted a combined Preliminary Assessment/Site Inspection (PA/SI) at the Archer Daniels Midland PCB Spill Site (ADM) in Southport, Brunswick County, North Carolina. The purpose of this investigation was to collect information concerning conditions at the ADM site sufficient to assess the threat posed to human health and the environment and to determine the need for additional CERCLA/SARA or other appropriate action. The scope of the investigation included review of available file information, a comprehensive target survey, and collection of environmental samples (January 30, 1996).

2.0 SITE DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS

The Archer Daniels Midland facility, formerly Pfizer, Inc. is located on a 1300 acre parcel of property, currently owned by the Archer Daniels Midland Company of Decatur, Illinois, on the Moore Street Extension (Refs. 1; 2). The site is approximately 1 mile north-east of the Southport city limits. Site coordinates are 33°56'23.5" North latitude and 77°59'29" West longitude as determined by the location of a leaking capacitor shed (Ref. 3). Figure 1 shows the site location and surrounding geographic features.

The site was developed in 1976 from farmland purchased in 1974 by Pfizer Inc. (Refs. 2; 4). The facility was involved with the manufacture of citric acid, potassium citrate, sodium citrate, and gypsum as a byproduct of the process. Non-hazardous process wastes were handled by means of a wastewater treatment system which discharged to the Cape Fear River. A lined holding pond was utilized as a settling basin for gypsum containing process waters; sludges were then landfarmed at three tracts of land owned by the company. (Refs. 2; 4; 5). The facility was purchased by ADM Co. from Pfizer Inc., on December 15, 1990 (Ref. 1). ADM currently manufactures citric acid through a process in which molasses undergoes fermentation, with a radiation mutated microbe acting as a catalyst in the process (Ref. 6). Under ADM, waste handling at the facility is similar to the procedures used by Pfizer (Ref. 22). Approximately 500 pounds of hazardous cleaning solvents and acetone are generated annually at the facility. These wastes are transported off-site by Safety Kleen to a recycling center (Refs. 24; 25). The ADM Southport, NC facility (NCD 075 578 385) is currently listed with the NC Division of Solid Waste Management as having a small quantity generator RCRA status (Ref. 7).

The facility was originally listed on CERCLIS in November 1979 as Pfizer Inc., NCD 075 578 385. A Site Screening Investigation (SSI) of the Pfizer, Inc. site was completed by the North Carolina Superfund Section in June 1989. The objective of the SSI was to address the human health and environmental concerns posed by the disposal of process wastes at the three landfarms on the Pfizer property. Based on the findings of the SSI, the site was given a "No Further Remedial Action Planned" (NFRAP) status under CERCLA (Ref. 26).

On May 5, 1992, oil was discovered to be leaking from a capacitor holding cabinet and collecting within a concrete berm. The capacitor oil was later determined to contain 939,000 parts per million (ppm) PCB's. After leaking from the cabinet, the capacitor oil mixed with rain water that had accumulated within the berm. An estimated 2.5 gallons of oil containing PCB's was released. The oil/water mixture had overflowed the berm and ran into the storm drain #79 catch basin (Refs. 6, Att. A; 28; Fig. 2). The storm drain connects to the facility storm sewer system which empties at outfall #1 into the Cape Fear River. The ADM storm sewer system has a continuous flow of storm water runoff, condensate water from steam generators, and non-contact cooling waters. ADM holds an NPDES permit (NCG060000) to discharge from six outfalls; five (#2 - #6) located in the marsh near the mouth of Price Creek and one (#1) at the Cape Fear River. Process waste water is treated at a 3.5-million gallon on-site treatment facility and discharged to the Cape Fear River at a location approximately 1000 feet downstream of outfall #1 (Ref. 28; Fig. 2).

Asea Brown-Boveri Co. (ABB) was contracted by ADM to clean up the spill. ABB collected samples of the water/oil mixture from inside the berm, the surficial soil at the berm overflow location, the soil at 18"-24" below the surface at the berm overflow location, and sediment from the catch basin; PCB concentrations in the samples were 11.4 ppm, 1060 ppm, 25 ppm, and 8.5 ppm respectively. The capacitor that caused the spill and two others were removed from the holding cabinet and drummed (Ref. 6).

USEPA Region IV Technical Assistance Team (TAT) member Virginia Millar responded to the site on May 11, 1992. General Electric Co. replaced ABB as ADM's contractor as clean-up activities began on May 12, 1992. The oil/water mixture was pumped from the berm and drummed. A detergent was used to scrub the cement dike several times during the clean-up. Excess moisture was collected between each cleaning with a dry absorbent. Excavation of soil within the spill area was begun on May 14, 1992, with a clean-up level of 25 ppm set by TAT member Millar (Ref. 6). Samples were screened in the field with "Chlor-n-soil" field screening kits and sent to Trinity Environmental Laboratories for analysis. Several samples collected during the initial round of excavation and sampling exhibited elevated levels of Arochlor 1016. Further excavation was conducted and the sample locations with the highest PCB results were resampled; all soil sample results were below the cleanup level of 25 ppm. The highest concentration of PCB's in soil samples collected during the resampling event was 4.8 ppm. The only contaminants analyzed for during the clean-up were PCB's (Ref. 6, Att. F). Soil in the spill area was excavated to a depth of 2 feet below land surface; clean sand was used to backfill the excavation (Ref. 28, p.2). A total of 50, fifty-five gallon drums containing capacitors, oil/water mixture, sand, and linen cloths were transported off-site to RCRA-approved facilities for incineration or landfilling. Approximately 45 of these drums contained a mixture of sand and water excavated from the spill area (Ref. 6).

A combined Preliminary Assessment/Site Inspection (PA/SI) sampling event was performed by the NC Superfund Section on January 30, 1996 at the ADM-Southport facility in response to the

PCB spill. Environmental samples were collected below outfall #1 in order to determine off-site PCB migration (Ref. 28). Sample locations are illustrated on Figure 1. No waste/source samples were collected during the PA/SI.

3.0 GROUNDWATER PATHWAY

3.1 Hydrogeology

The site and surrounding area are underlain by Pleistocene age surficial deposits consisting of fine to coarse sand (Ref. 8, pp.25,26). These deposits are generally about 60 feet thick and typically include layers of organic silt and wood fragments at a depth of 30-40 feet (Ref. 8, p.26). The surficial deposits are underlain by several layers of Tertiary age sedimentary rock formations of the Coastal Plain Physiographic Province (Ref. 9, p.22). In the Southport area, the geologic formation which directly underlies the surficial deposits is the Eocene age Castle Hayne Limestone. The top of the Castle Hayne Limestone is generally at a depth of 60 feet along the coast of Brunswick County; the formation is composed of limestone, sand, and minor amounts of clay deposited under marine conditions (Refs. 8, p.25; 10, p.25).

Soils found at the ADM site are of the Wando Series. This soil consists of an excessively drained fine sand. Typically, the surface layer is dark-brown fine sand 8 inches thick grading to a yellow fine sand (Ref. 11, p.31). Runoff from the PCB spill area will flow to a wetland at the mouth of Price Creek. The soils of this wetland are mapped as Lafitte Muck Series; typically, the muck layers, 55 inches thick, are dark brown, black, and very dark gray with an underlying material of gray silty clay (Ref. 11, p.22).

The principal source of groundwater in the area is the Castle Hayne Aquifer (Ref. 8, p.26). A semi-confining unit separates the Castle Hayne from the overlying surficial aquifer. The Castle Hayne confining unit is relatively thin compared to other confining units in this geologic sequence, averaging only about 10 feet of thickness. Because the confining unit contains more sand than other confining units, it is relatively permeable and allows significant vertical leakage between the Castle Hayne and the overlying aquifer (Ref. 10, p.25). The top of the Castle Hayne Aquifer is generally at a depth of 60 feet throughout the area of the site (Ref. 8, p.27).

The surficial aquifer overlies all of the North Carolina Coastal Plain and consists of fine sand, silt, clay, shell, and peat beds. The surficial aquifer receives direct recharge from precipitation and is the source of water for the deeper confined aquifers and base flow to streams (Ref. 10 p.14). Recharge to the Castle Hayne Aquifer occurs primarily in the upland areas above the flood plains of perennial streams within the central portion of the Coastal Plain (Ref. 9, p.24). Hydraulic conductivity in the surficial aquifer is approximately 1.77×10^{-2} cm/sec while hydraulic conductivity in the Castle Hayne Aquifer is approximately 1.06×10^{-1} cm/sec (Ref. 9). Vertical hydraulic conductivity of the various confining unit materials ranged from 3.56×10^{-7} cm/sec to 1×10^{-9} cm/sec

3.2 Targets

Water levels in the surficial aquifer are generally 5 to 10 feet below the surface. Most of the domestic wells that tap this aquifer are small-diameter (1.25 in) and are driven rather than drilled (Ref. 8, p.27). The extent of shallow aquifer wells currently in use near the ADM site is unknown. The range of depths of six drilled wells within 2 miles of the site, including the 3 city production wells, is 100 feet to 176 feet (Ref. 8, p.30). The nearest residential well, relative to the PCB spill area, is approximately 2700 feet north and upgradient (Ref. 27; Fig. 1). The City of Southport is the only operator of community wells within the 4-mile site radius (Ref. 12). Approximately 4536 people are served by the city system which consists of 2 production wells and a backup well. The nearest municipal supply well is located approximately 1.75 miles southwest of the site (Refs. 12; 13). The ADM facility receives its water supply from the Brunswick County system (Ref. 22). There are no well head protection areas located within the 4-mile site radius (Ref. 14).

An estimated ten residents are using groundwater within a 1-mile radius of the site. An estimated total of 4931 individuals utilize groundwater within a 4-mile radius of the site. No ground water or drinking water samples were collected during this investigation. A breakdown of groundwater population per distance ring is illustrated in the following table (Refs. 12; 13):

Distance Ring	GW Users	City Wells	Totals
0 - 1/4 mi	0	0	0
1/4 - 1/2 mi	0	0	0
1/2 - 1 mi	10	0	10
1 - 2 mi	205	2268	2473
2 - 3 mi	129	2268	2397
3 - 4 mi	51	0	51
Total	395	4536	4931

3.3 CONCLUSIONS

An observed release to the groundwater pathway has not been documented. The likelihood of release to the Castle Hayne Aquifer is low given the fact that the quantity of oil containing PCB's was minimal and the aquifer is relatively deep. The overall threat to the groundwater pathway is minimal due to the lack of nearby wells.

4.0 SURFACE WATER

4.1 Hydrology

The ADM PCB spill area and majority of the site lie outside of the 500-year flood plains of the Cape Fear River and Price Creek (Ref. 15). Normal annual precipitation at the site is approximately 52 inches while mean annual evaporation is approximately 42 inches, yielding a net

mean annual precipitation of 10 inches (Ref. 16). The 2-year 24-hour rainfall at the site is 4.5 inches (Ref. 17).

Overland runoff at the ADM facility is controlled by an extensive storm sewer system consisting of discharge points at six outfalls. Five outfalls (#2- #6) are located at various points in the marsh near the mouth of Price Creek, the sixth, (#1) discharges to the Cape Fear River. Runoff from the spill area is inhibited from flowing to the wetland by the storm sewer system and the railroad spur that runs through the site acting as a flow divide (Ref. 28; Fig. 2; Photos). Migration of oil containing PCB's from the spill area would be through storm drain # 79 to storm sewer system outfall #1, located approximately 800 feet east at the Cape Fear River. This is the probable point of entry (PPE) for site contaminants to the surface water pathway (SWP)(Ref. 28; Figs. 1; 2).

Mean annual flow rates were calculated to be 2.5 cubic feet per second (cfs) and 12901 cfs for Price Creek at its mouth and the Cape Fear River near Wilmington respectively (Ref. 18). Because of the effects of tidal influence on the Cape Fear River, any contaminants introduced into the SWP may be carried upstream toward the City of Wilmington (Ref. 13). The Cape Fear River along the surface water pathway is classified by the state as tidal salt waters suitable for aquatic life propagation and recreational usage (Ref. 19). From the site PPE at outfall #1, the surface water pathway continues approximately 4.5 miles along the Cape Fear River to the Atlantic Ocean (Fig. 1).

4.2 Targets

There are no drinking water intakes located within 15-miles upstream or downstream of the site PPE along the surface water pathway (Ref. 13). The Cape Fear River and Atlantic Ocean receive substantial fishing pressure; fish are removed for human consumption from the mixing zone of the Price Creek mouth and the Cape Fear River Inlet (Ref. 20). There is approximately 8 miles of wetland frontage along Price Creek. Within 1-mile downstream and 1-mile upstream of the site PPE, there is a total of 1-mile of wetland frontage along the surface water pathway. The wetland at the mouth of Price Creek has been identified as a habitat for the American Alligator, classified by the State as a threatened species. The endangered Manatee (*Trichechus manatus*) has been identified inhabiting the Cape Fear River, near its mouth at Southport (Ref. 21).

4.3 Sample Locations

Sampling of the surface water pathway for the ADM PA/SI focused on sediment and surface water samples collected from the storm sewer discharge point and the Cape Fear River. In order to determine if the PCB transformer oil had migrated away from the spill area, a sediment and surface water sample (ADM-002-SD & ADM-002-SW) was collected from a location approximately 20 feet downstream of the SWP probable point of entry (PPE) at the Cape Fear River. Another surface water and sediment sample (ADM-001-SW & ADM-001-SD) was collected from a location along the outfall #1 drainage pathway (Ref. 28; Fig. 2; Photos). Because of the tidal influence and flow reversal that occurs in the Cape Fear, an associated SWP background sample was not collected.

influence and flow reversal that occurs in the Cape Fear, an associated SWP background sample was not collected.

4.4 Analytical Results

Surface water/sediment samples were taken to the North Carolina Laboratory of Public Health and analyzed for volatile organics, acid and base/neutral extractables, metals, and PCB's. Analytical results of the storm sewer drainage pathway sediment sample (ADM-001-SD) indicate that concentrations of toluene and bis(2-ethylhexyl)phthalate were detected at 22 parts per billion (ppb) and 46,083 ppb respectively. The concentrations of PCB's in sample ADM-001-SD and in the river sediment sample (ADM-002-SD) were below the laboratory minimum detection limit. Copper was detected in sediment sample ADM-001-SD at a concentration of 16 parts per million (ppm) and arsenic was detected in sediment sample ADM-002-SD at 5.8 ppm. A trace amount of toluene was detected in surface water sample ADM-002-SW at 0.043 ppb (App. A).

4.5 Conclusions

There are no indications of a release of PCB's to the surface water pathway. Given the fact that the majority of the spill was contained within the concrete berm and the distance from the spill area to the site PPE, it is not likely that PCB's have migrated off-site. The relatively high hydraulic conductivity of the surficial soils would have also prevented much of the capacitor oil from flowing overland.

5.0 SOIL AND AIR

5.1 Physical Conditions

The ADM site is located in a relatively undeveloped rural portion of Brunswick County. The ground surface at the site consists of graveled, vegetative, asphalted, and soil covered areas (Ref. 28). Operation of the facility requires a workforce of approximately 150 full time employees (Ref. 22).

Access to the ADM facility is restricted by means of a fence that surrounds the site; the PCB spill area is contained within this fence (Ref. 25). The PCB contaminated soil was excavated to a depth of 2 feet below land surface (bls) and the area was backfilled with clean fill material (Ref. 28). Laboratory analytical data indicated that the highest concentration of PCB's remaining in the subsurface soil after excavation was 4.8 ppm, well below the clean-up level of 25 ppm set by TAT member Millar. Approximately 11 cubic yards (45 drums) of PCB contaminated soil and water were removed from the spill area for off-site disposal (Refs. 6, Att. F; 22).

5.2 Soil and Air Targets

The nearest school, Brunswick Technical College, is located approximately 2.25 miles southwest of the site. The nearest residence is approximately 2700 feet north of the spill area (Fig. 1). The residential population within the 1 mile radius of the spill site is 10 people; the 1-mile radius

approximately 135 acres. Battery Island, approximately 2 miles south of the site, has been identified as a nesting area for several species of heron, all classified as being of special concern. There are 2 natural communities located within 1 mile of the site; the Coastal Fringe Evergreen Forest and the Maritime Forest are found approximately 0.5 mile and 0.75 mile southwest of the spill site respectively. Zeke's Island National Estuarine Sanctuary is located 2 to 3 miles east of the site (Ref. 21). A breakdown of population per distance ring is illustrated in the following table.

Distance Ring	Population
0 - 1/4 mi	150
1/4 - 1/2 mi	0
1/2 - 1 mi	10
1 - 2 mi	1600
2 - 3 mi	1598
3 - 4 mi	458
Total	3816

5.3 Air Monitoring and Soil Sample Locations

Soil samples were not collected at the site during the PA/SI, nor was any air monitoring conducted.

5.4 Conclusion

Approximately 11 cubic yards of PCB contaminated soil and water was excavated from the spill area and transported off-site for permitted disposal. Further soil sampling was not conducted at the site during the PA/SI. There are no residences within 1/2-mile of the spill area; the nearest school is approximately 2.5 miles away. Due to the restricted site access, lack of a contaminant source remaining in the soil at 0'-2' depth, and lack of nearby population, the ADM PCB spill does not pose a threat to the soil exposure pathway or the air pathway.

6.0 SUMMARY AND CONCLUSION

A release of approximately 2.5 gallons of PCB containing transformer oil occurred at the ADM site in May 1992. Soil sample analysis indicated that PCB contamination was present to a depth of 3 feet below land surface. Final action regarding the spill, in this case removal of the contaminated soil and oil/water mixture, was completed in June 1992. The primary pathway threat posed by the PCB spill was migration to and contamination of the surface water pathway. Surface water and sediment samples collected during the January 30, 1996 combined PA/SI indicate that PCB's have not migrated from the spill area through the storm sewer drainage system.

Review of the remaining pathways indicates a low potential for contaminant migration to populations or sensitive environments. There is 1 drinking water well located approximately 0.51 mile from the spill area; it is not suspected to be contaminated. The PCB contaminated surficial soil was removed from the spill area in 1992, thereby removing the threat posed to on-site workers. Based upon the available data, there is no significant immediate threat to human health and the environment. Therefore, considering all the factors particular to this site, it is recommended that no further remedial action be taken under CERCLA or SARA at this time and that a "No Further Remedial Action Planned" (NFRAP) status be assigned to this site.

REFERENCE LIST
Archer Daniels Midland PCB Spill
NCD 986 215 671

1. Smith, F.J., Archer Daniels Midland Materials Manager. Letter to Mr. R.J. Edwards of NCDSWM Regarding Facility Ownership Change. July 16, 1991.
2. Wallingford, Ed, (NC Superfund). Memo to File; Telecon with Frank Smith, Shipping and Receiving Manager for Pfizer Inc. March 12, 1989.
3. Rumford, G. Doug (N.C. Superfund Section), 1994. Latitude and Longitude Calculation Worksheet, Archer Daniels Midland PCB Spill Site. October 24, 1994.
4. Wallingford, Ed. Memo to Lee Crosby; Summary Trip Report for SSI, Pfizer, Inc. March 29, 1989.
5. Durway, D. Mark. Preliminary Assessment Report for Pfizer Inc., Southport, NC June 4, 1986.
6. Millar, Virginia, TAT Region IV. Memorandum to De'Lyntoneus Moore; Archer Daniels Midland PCB Site, Southport NC (TDD # 04-9205-0007-2436). July 15, 1992.
7. Edwards, R.J., NCDSWM. Change in RCRA Listing for Archer Daniels Midland Co., Southport NC. July 1, 1991.
8. Blankenship, Reginald R., Reconnaissance of the Ground-Water Resources of the Southport-Elizabethtown Area, North Carolina; NC Division of Ground Water, Bulletin Number 6. 1965
9. Heath, Ralph C. 1980. Basic Elements of Ground-water Hydrology with Reference to Conditions in North Carolina: U.S. Geological Survey Water Resources Investigations Open-File Report 80-44.
10. Giese, G.L., 1991. Simulation of Ground-Water Flow in the Coastal Plain Aquifer System of North Carolina: U.S. Geological Survey Water Resources Investigations Open-File Report 90-372.

REFERENCE LIST
Archer Daniels Midland PCB Spill
NCD 986 215 671

11. U.S. Dept. of Agriculture, Soil Conservation Service, 1986. Soil Survey of Brunswick County, North Carolina.
12. Rumford, G. Doug, Memo to File; Groundwater Population within 4-mile Site Radius: Archer Daniels Midland PCB Spill Site, Southport, NC. December 13, 1994.
13. Rumford, G. Doug, Memo to File; Public Water Supply Availability and Surface Water Intake Identification: Archer Daniels Midland PCB Spill Site, Southport, NC. December 1, 1994.
14. Stanely, Jeanette (NC Superfund). Memo to Superfund Section Staff; Update on Status of Well Head Protection Programs in NC. January 10, 1994.
15. Federal Emergency Management Agency, 1992. Flood Insurance Rate Map, Brunswick County, North Carolina, Panel 385 of 395 (Number 370295 0385 F).
16. U.S. Dept. of Commerce, Climatic Atlas of the United States: National Climatic Center, Asheville, NC, 1979.
17. U.S. Department of Commerce, 1961. Technical Paper No. 40: Rainfall Frequency Atlas of the United States. Issued 1961.
18. Rumford, G. Doug, Memo to File; Flow Rates 15-mile Surface Water Pathway: Archer Daniels Midland PCB Spill Site, Southport, NC. November 30, 1994.
19. North Carolina Dept. of Environment, Health, and Natural Resources: Classifications and Water Quality Standards Assigned to the Waters of the Cape Fear River Basin, February 1, 1993.
20. Rumford, G. Doug, Memo to File; Telephone Conversation with Mr. Bill Lester (NC Wildlife Enforcement Officer); Fishing Usage of Price Creek and Cape Fear River. December 1, 1994.
21. Rumford, G. Doug. Memo to file; Wetlands and Sensitive Environments Identification: Archer Daniels Midland PCB Spill Site. December 20, 1994.

REFERENCE LIST
Archer Daniels Midland PCB Spill
NCD 986 215 671

22. Rumford, G. Doug,. Memo to file; Telephone Conversation with Mr. Doug Carlson: Archer Daniels Midland PCB Spill Site, Southport, NC. December 20, 1994.
23. N.C. State Center for Geographic Information and Analysis, Populations and Households, October 27, 1994.
24. Worrell, Flint (NC Hazardous Waste Section). Small Hazardous Waste Generator Survey: Archer Daniels Midland Co., Southport, NC. July 22, 1992.
25. Rumford, G. Doug,. Memo to file; Telephone Conversation with Mr. Frank Smith: Archer Daniels Midland PCB Spill Site, Southport, NC. December 27, 1994.
26. Wallingford, Ed, 1989. Screening Site Investigation Report: Pfizer, Inc. NCD 075 578 385, Southport, NC. June 1989.
27. Wallingford, Ed, 1989. Letter to Mr. Morris, EPA NC CERCLA Project Officer: Summary Trip Report for Pfizer Inc., Southport, NC Screening Site Investigation. March 29, 1989.
28. Rumford, G. Doug, 1996. Combined PA/SI Sampling Trip Field Log Notes: Archer Daniels Midland PCB Spill Site, Southport, NC, NCD 986 215 671. January 30, 1996.



ARCHER DANIELS MIDLAND COMPANY
CITRIC DIVISION

P.O. BOX 10640

EAST MOORE ST. EXTENSION
TEL. 919/457-5011

SOUTHPORT, NC 28461

July 16, 1991

State Of North Carolina
Department of Environmental, Health
and Natural Resources
Division of Solid Waste Management
P.O. Box 21687
Raleigh, North Carolina 27611-7687

Attn: Mr. R. J. Edwards

Re: EPA ID No. NCD075578385

Dear Mr. Edwards:

The above EPA ID No. was issued to Pfizer Inc., P.O. Box 10640 Southport, NC 28461 on 10/30/90. This facility was sold to Archer Daniels Midland Company on December 15, 1990. As we discussed on 7/11/91 we are requesting that your records be changed to reflect the new ownership. Listed below are the addresses of the facility and the headquarters unit.

Name change

Facility

Headquarters

Archer Daniels Midland Co.
Moore St. Extension
P.O. Box 10640
Southport, NC 28461

Archer Daniels Midland Co.
4666 Faries Parkway
P.O. Box 1470
Decatur, IL 68525

If your require additional information please advise.

Thanks for your help in this matter.

Sincerely,

ADM

[Signature]
F. J. Smith
Materials Manager

RECEIVED

JUL 19 1991

HAZARDOUS WASTE SECTION

FJS:ts

cc: Carlson/Kane/Warner

12 March 1989

TO: File

FROM: Ed Wallingford, NC Superfund Branch

RE: Telecon with Frank Smith, Shipping and Receiving
Manager for Pfizer Inc. (919) 457-5011

Mr. Smith provided the following additional information for the Pfizer, Inc. file:

- Tract 1 was a 1300 acre tract purchased in 1973/1974 from various landowners
- Tract 2 is a 402 acre parcel that was purchased in 1982 from Williams Coal Co. Williams Coal did not use this land which it had purchased from the McCracken Farm
- The Swain Area is a 250 acre tract that was purchased from various people in 1979/1980
- The Dutchman Creek Area is a 581 acre tract that was bought from the Lindner Farm in 1980.

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2
LI USING ENGINEER'S SCALE (1/60)

SITE NAME: Archer Daniels Midland PCB Spill CERCLIS #: NCID 986 215 671

AKA: _____ SSID: _____

ADDRESS: P.O. Box 10640 Moore Street

CITY: Southport STATE: NC ZIP CODE: 28461

SITE REFERENCE POINT: Leaking Capacitor Location

USGS QUAD MAP NAME: Kure Beach, NC TOWNSHIP: _____ N/S RANGE: _____ E/W

SCALE: 1:24,000 MAP DATE: 1979 SECTION: _____ 1/4 _____ 1/4 _____ 1/4

MAP DATUM: 1927 1983 (CIRCLE ONE) MERIDIAN: _____

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP (attach photocopy):

LONGITUDE: 77° 52' 30" LATITUDE: 33° 52' 30"

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LONGITUDE: 77° 57' 30" LATITUDE: 33° 55' 00"

CALCULATIONS: LATITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM LATITUDE GRID LINE TO SITE REF POINT: 252

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

$$A \times 0.3304 = \underline{83.26} "$$

C) EXPRESS IN MINUTES AND SECONDS (1' = 60"): 1' 23.26"

D) ADD TO STARTING LATITUDE: 33° 55' 00.0" + 1' 23.26" =

SITE LATITUDE: 33° 56' 23.5"

CALCULATIONS: LONGITUDE (7.5' QUADRANGLE MAP)

A) NUMBER OF RULER GRADUATIONS FROM RIGHT LONGITUDE LINE TO SITE REF POINT: 360

B) MULTIPLY (A) BY 0.3304 TO CONVERT TO SECONDS:

$$A \times 0.3304 = \underline{118.94} "$$

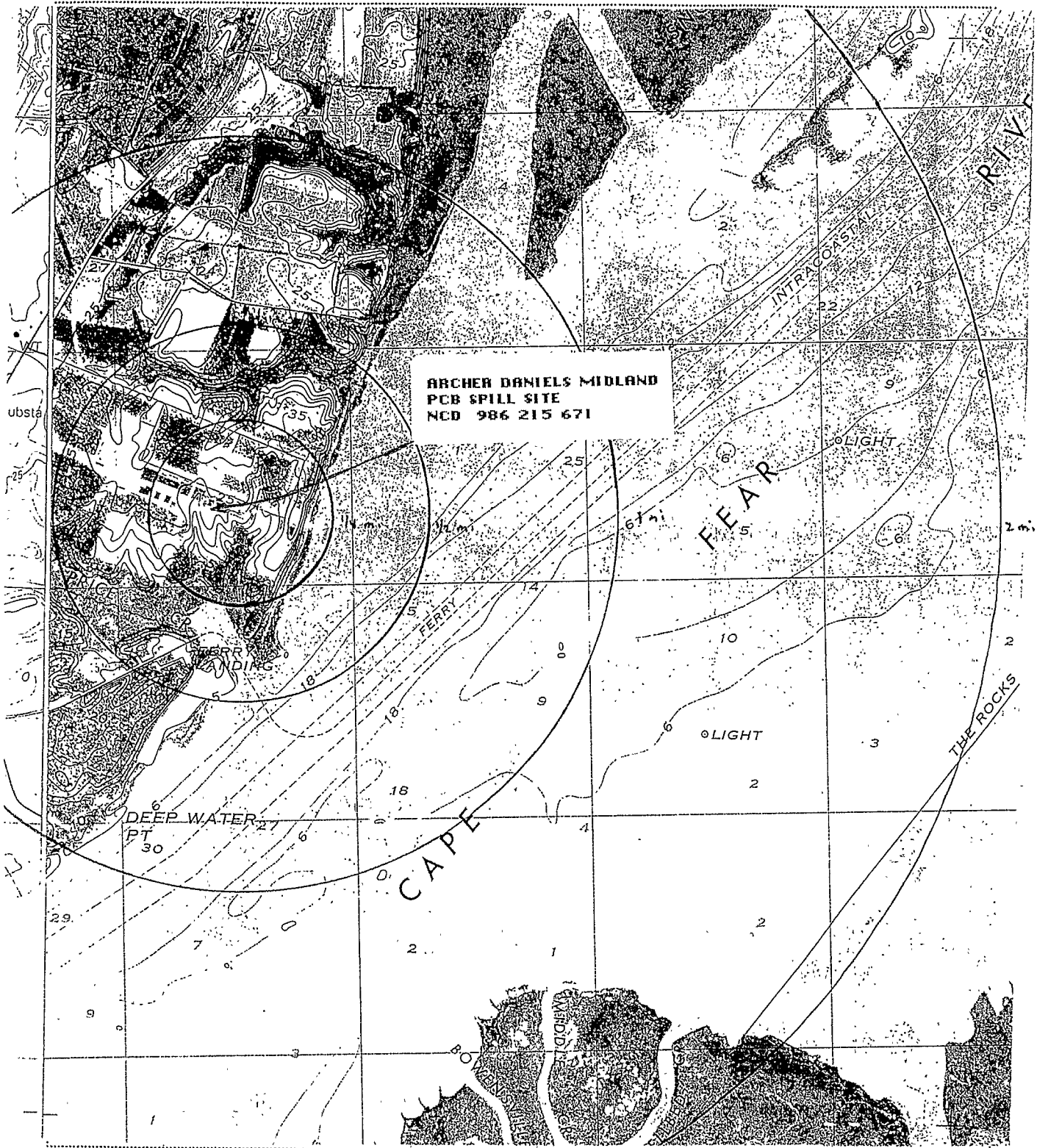
C) EXPRESS IN MINUTES AND SECONDS (1' = 60"): 1' 58.94"

D) ADD TO STARTING LONGITUDE: 77° 57' 30.0" + 1' 58.94" =

SITE LONGITUDE: 77° 59' 29.0"

INVESTIGATOR: G. Doug Rufford DATE: 10/24/94

SITE NAME: Archer Daniels Midland PCB Spill NUMBER: NCD 986 215 671



TOPOGRAPHIC MAP QUADRANGLE NAME: Kure Beach, NC SCALE: 1:24,000

COORDINATES OF LOWER RIGHT-HAND CORNER OF 2.5-MINUTE GRID:

LATITUDE: 77° 57' 30" LONGITUDE: 78° 55' 00"

29 March 1989

TO: Lee Crosby

FROM: Ed Wallingford

RE: Summary Trip Report
Screening Site Investigation, 29 March 1989
Pfizer, Inc. NCD 075578385
P.O. Box 668
South Port, NC 28416

On 28 March 1988, NC Superfund Branch personnel Ed Wallingford and Grover Nicholson conducted a field investigation of the Pfizer, Inc. site. The investigators met on-site with Plant Manager John Kane and Shipping and Receiving Manager Frank Smith. Mr. Kane and Mr. Smith provided the following:

Pfizer, Inc. is a manufacturer of citric acid, potassium citrate, and sodium citrate. The company also produces gypsum as a byproduct. Pfizer has been in operation at its current location since the plant was built on farmland in 1976. The facility consists of three tracts of land that occupy a total of approximately 2700 acres. Two of the land tracts are used for landfarming non-hazardous processing waste. This waste consists of unspecified biomass and "carbon cake mud" from fermentation and other unit processes. "Carbon Cake Mud" is a waste product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water; it is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the cake mud was found to be approximately 0.7% on a weight/weight basis. Currently, the biomass is distributed to area farmers as fertilizer (high nitrate content) and the cake mud is landfarmed on company property. Pfizer maintains a permit for the application of both of the waste products (i.e. for "yeast cream spreading") with the NC NRCD-Division of Environmental Management. As a permit condition for operating the landfarm, twelve monitoring wells have been installed at the three landfarming areas.

Pfizer is not a RCRA facility. Sodium ferrocyanide is used in the manufacture of the company's products, however, it is used as an iron complexer and thus would yield ferro-ferrocyanide, a very stable compound. Radioactive wastes have never been produced at the facility and its inclusion on the 1978/1979 Eckhardt Survey List was a mistake. Drinking and process water for the facility is supplied by the Brunswick County water system.

After the meeting, Mr. Smith accompanied the investigators to the landfarming areas. Two groundwater samples were taken from monitoring wells at the Swain and Dutchman Creek landfarming areas. Surface soil samples were also taken at these locations. Background water and soil samples were obtained at the private residence of Mr. Johnson Cumbee. Mr. Johnson's residence is located upgradient of the Swain and Dutchman Creek areas on Old Bethel Church Road (919/457-5156). An additional off-site groundwater sample was obtained at the residence of Mr. William Loeffler (919/457-6721). The Loeffler residence is located essentially adjacent and downgradient of the Pfizer landfarming tracts "1&2". The samples were submitted to DHR/DHS State Laboratory of Public Health for analysis.



North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director
919/733-3446

4 June 1986

Ms. Denise Bland
EPA NC CERCLA Project Officer
Air and Hazardous Material Division
345 Courtland Street, N.E.
Atlanta, GA 30365

Dear Ms. Bland:

SUBJECT: Preliminary Assessment Report
Pfizer Inc. NC D075578385
Moore Street (SR 1528)
Southport, Brunswick County, NC 28461

Enclosed please find the Preliminary Assessment report for the subject site. This priority is based on review of available data.

Pfizer commenced operation in 1976 as a manufacturer of citric acid and its associated salts. In 1978/1979, Pfizer notified the Eckhardt committee that the facility's wastes had been landfarmed on McCracken Farm, located adjacent to the facility and now owned by Pfizer. The Eckhardt "Quick Look List" indicates that these waste types included metals, radioactive residues (with over 5 pico-curies per gram), organics, and inorganics. Barium waste, according to a source at NRC DEM in Wilmington, NC, is also thought to have been landfarmed.

Rubert Nubel, plant manager at Pfizer, indicates that radioactive waste was never generated on-site or landfarmed by Pfizer. Wastes which have been generated and landfarmed on site are non-hazardous under RCRA, according to Nubel, with the possible exception of ferrocyanides. Ferrocyanides were used by Pfizer prior to 1980, and were potentially landfarmed with other plant wastes.

Pfizer's wastes are presently treated, stored, and disposed on-site by means of a NPDES permitted wastewater treatment system which discharges to the Cape Fear River, and by landfarming. On-site land units include a lined holding pond (which serves as a settling basin for gypsum), a gypsum pile, and approximately 900 acres of landfarm. Pfizer also has two underground storage tanks which are used for diesel fuel and gasoline.

Ms. Denise Bland
4 June 1986
Page 2

The nearest homes to the Pfizer facility are located about one mile from the plant. City water is available to residents at these homes, though some potentially use private wells for their drinking water supply. Pfizer gets its drinking supply from the City of Southport; however, it has recently installed twelve monitoring wells around its landfarm so that any impact which the company might be having on groundwater in the area might be detected.

The available information pertaining to this site suggests that Pfizer has never treated, stored or disposed of hazardous substances at its Southport facility, with possible exception to barium and ferrocyanides. At the present time, there is no evidence that this site poses an immediate threat to public health or the environment. However, it is recommended that sampling be conducted on a time available basis to ascertain whether or not on-site releases of barium and ferrocyanide wastes have occurred. The priority assigned for inspection is Low.

On 2 June 1986, this Preliminary Assessment was reviewed by CERCLA Unit personnel and by the following representatives from the North Carolina Department of Natural Resources and Community Development, Division of Environmental Management: Glenn Ross, Air Quality Section; Vince Schneider and Howard Bryant, Water Quality Section.

If you have any questions, please call me at (919) 733-2801.

Sincerely,

D. Mark Durway

D. Mark Durway, Geologist
Solid and Hazardous Waste Management Branch
Environmental Health Section

DMD/tb/0175b

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART I - INFORMATION AND ASSESSMENT

II. IDENTIFICATION

01 STATE NC 02 SITE NUMBER D075578385

III. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Pfizer Inc. 02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER Moore Street (SR 1528)

03 CITY Southport 04 STATE NC 05 ZIP CODE 28461 06 COUNTY Brunswick 07 COUNTY CODE 10 08 CONG DIST 07

09 COORDINATES: LATITUDE 33° 56' 20" LONGITUDE 77° 59' 45"

10 DIRECTIONS TO SITE (Starting from nearest public road) From downtown Southport, take NC Hwy. 87-211 south to its terminus; turn left and travel northeast for approx. 2 miles on Moore St. (SR 1528); facility on right.

III RESPONSIBLE PARTIES

01 OWNER (If known) Pfizer Inc. 02 STREET (Business, mailing, residential) P.O. Box 10640

03 CITY Southport 04 STATE NC 05 ZIP CODE 28461 06 TELEPHONE NUMBER (919) 457-5011

07 OPERATOR (If known and different from owner) 08 STREET (Business, mailing, residential)

09 CITY 10 STATE 11 ZIP CODE 12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

A. PRIVATE B. FEDERAL: (Agency) C. STATE D. COUNTY E. MUNICIPAL F. OTHER: (Specify) G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) (CERCLA 103c)

Eckhardt Comm. notified 1978/1979.
 A. RCRA 3001 DATE RECEIVED: B. UNCONTROLLED WASTE SITE DATE RECEIVED C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply)
 YES DATE A. EPA B. EPA CONTRACTOR C. STATE D. OTHER CONTRACTOR
 NO CONTRACTOR NAME(S): E. LOCAL HEALTH OFFICIAL F. OTHER:

02 SITE STATUS (Check one) 03 YEARS OF OPERATION
 A. ACTIVE B. INACTIVE C. UNKNOWN 1976 | still operating | UNKNOWN
Not a TSD BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT. KNOWN, OR ALLEGED Pfizer manufactures citric acid and its assoc. salts. Wastes presently generated at this facility are non-hazardous by RCRA definition. Pfizer treats, stores, and disposes its non-haz. wastes on-site. On-site land units include a lined holding pond (which serves as a

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION settling basin for gypsum, a gypsum pile, & 900 acres which are used for landfarming. Pfizer also has an NPDES permitted WW system, & two underground tanks used for diesel fuel and gasoline. Ferrocyanides & barium are suspected to have been constituents of wastes landfarmed prior to 1980; however, this has not been confirmed. Landfarming of these wastes could threaten g-w quality. Nearest residents live approx. 1 mi. from site and use city water, as do Pfizer employees. Pfizer recently installed 12 monitoring wells around its landfarm.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
 A. HIGH (Inspection required promptly) B. MEDIUM (Inspection required) C. LOW (Inspection on time available basis) D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Robert Nubel, plant manager 02 OF (Agency/Organization) Pfizer Inc., Southport, NC 03 TELEPHONE NUMBER (919) 457-5011

02 PERSON RESPONSIBLE FOR ASSESSMENT D. Mark Durway/Pat DeRosa 05 AGENCY ORGANIZATION NC DHR/DHS SHW Mgmt. Br. 03 TELEPHONE NUMBER (919) 733-2801 08 DATE 04/03/86

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

II. IDENTIFICATION
01 STATE NC | 02 SITE NUMBER D075578385

II. WASTE STATES, QUANTITIES, AND CHARACTERS

01 PHYSICAL STATES (Check all that apply)	02 WASTE QUANTITY AT SITE (Measures of Waste quantities must be independent)	03 WASTE CHARACTERISTICS (Check all that apply)	
		[X] A. SOLID	[] H. IGNITABLE
[] B. POWDER, FINES	TONS _____	[] B. CORROSIVE	[] I. HIGHLY VOLATILE
[] C. SLUDGE	CUBIC YARDS <u>Unknown</u>	[] C. RADIOACTIVE	[] J. EXPLOSIVE
[] D. Other _____	NO. OF DRUMS _____	[] D. PERSISTENT	[] K. REACTIVE
[X] E. SLURRY		[] E. SOLUBLE	[] L. INCOMPATIBLE
[] F. LIQUID		[] F. INFECTIOUS	[] M. NOT APPLICABLE
[] G. GAS		[] G. FLAMMABLE	

III. WASTE TYPES

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS	Unknown		Waste is landfarmed on a 900
ACD	ADICS			acre property, or treated at
BAS	BASES			their NPDES permitted WW treat-
MES	HEAVY METALS	Unknown		ment facility and discharged to
				the Cape Fear River.

HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

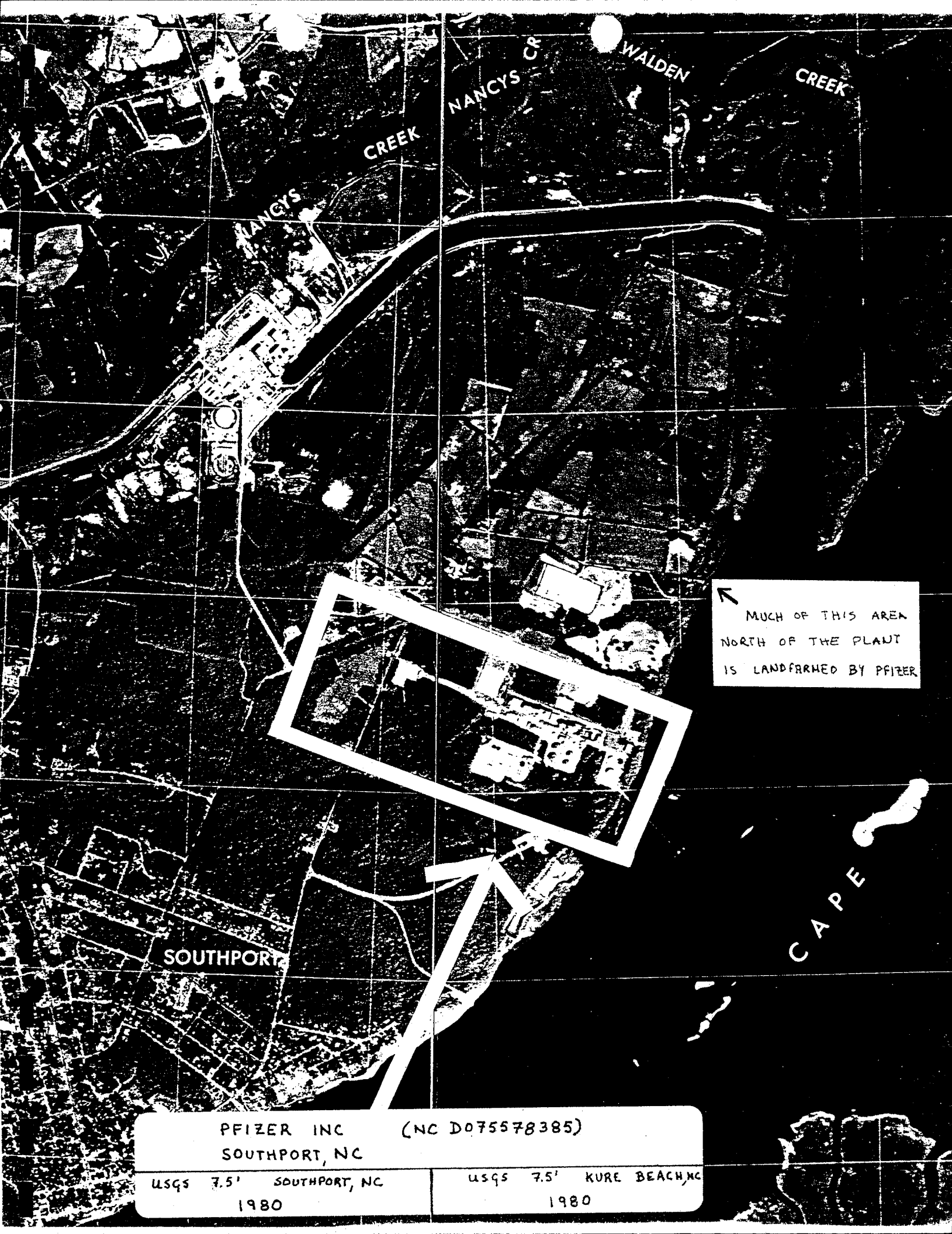
CATEGORY	SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
IOC	Ferrocyanides	----	holding ponds, landfarm	Unknown	
MES	Barium	----	" "	"	

V. FEEDSTOCKS (See Appendix for CAS numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	N/A		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e. g. state files, sample analysis, reports)

- Files at NC Solid and Haz. Waste Mgmt. Branch, Raleigh, NC.
- Robert Nubel, plant mgr. at Pfizer Inc., Southport, NC, personal communication, 4-2 and 4-3-86.
- Rick Shiver at NRCDD-DEM, Wilmington, NC, personal communication, 4-3-86.
- Sax, N. Irving, Dangerous Properties of Industrial Materials, 3rd Edition, 1968.



NANCYS CREEK

NANCYS CR

WALDEN

CREEK

15

← MUCH OF THIS AREA
NORTH OF THE PLANT
IS LANDFARMED BY PFIZER

SOUTHPORT

CAPE

PFIZER INC (NC D075578385)	
SOUTHPORT, NC	
USGS 7.5' SOUTHPORT, NC	USGS 7.5' KURE BEACH, NC
1980	1980

RECEIVED

JUL 27 1993

WESTON

1575 Northside Dr., N.W., Suite 325, Bldg. 300, Atlanta, GA 30318 404-352-4147

SUPERFUND SECTION

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION
EPA CONTRACT 68-WO-0036

MEMORANDUM

TO: De'Lyntoneus Moore
OSC, Region IV

FROM: Virginia T. Millar
TAT, Region IV

THRU: William R. Doyle *WRD*
TATL, Region IV

SUBJECT: Archer Daniels Midland PCB Site
Southport, Brunswick County, North Carolina
TDD# 04-9205-0007-2436
0007A-2510
0007B-2527
TAT# 04-F-00702

DATE: 15 July 1992

SITUATION

This report has been prepared in accordance with the requirements of Technical Direction Document TDD# 04-9205-0007, assigned to the Roy F. Weston, Inc., Technical Assistance Team (TAT), by the U.S. Environmental Protection Agency (EPA).

The purpose of this TDD was to assess the release of approximately 30 pounds of polychlorinated biphenyls (PCB's) from a leaking capacitor at the Citric Division of the Archer Daniels Midland Company (ADM) in Southport, North Carolina (Attachment - I).

The On-Scene Coordinator (OSC) requested that TAT document the release and provide technical assistance to the PRP during remediation of the site. In addition, TAT was tasked to perform field screening of soils during excavation to determine if contamination had been removed. Prior to site entry, TAT was to generate a site health and safety plan to ensure worker safety during cleanup activities.

Roy F. Weston, Inc.

MAJOR PROGRAMS DIVISION

In Association with Foster Wheeler Enviroresponse, Inc., Resource Applications, Inc., C.C. Johnson & Malhotra, P.C., R.E. Sarriera Associates, and GRB Environmental Services, Inc.

On 11 May 1992 TAT member Millar responded to the emergency at the request of OSC De'Lyntoneus Moore. At 0800 a meeting was held at the facility to discuss the events surrounding the incident and proposed remediation plans. John Kane the Plant Manager, Doug Carlson the Assistant Plant Manager, Ron McMorris of General Electric, TAT member Millar, and several other ADM personnel were present at the meeting. During the meeting Doug Carlson provided TAT Millar with details of the incident.

The facility in Southport was formerly a Pfizer Chemical plant before it was purchased by ADM two years ago. The Citric Division manufactures citric acid through a process in which molasses undergoes fermentation. A microbe which was mutated via radiation is the catalyst in the fermentation process. When the plant was bought by ADM much of the labor force was replaced by computer operated machinery. Several areas of the plant, although they were to be checked daily, were solely operated by computers. It was in one of the areas that the leak occurred.

On 05 May 1992, at approximately 0900 hours, plant personnel noticed that oil was leaking from a capacitor holding cabinet into a concrete berm. Water and algae growing in the bermed area may have masked the leak as the density of the PCB's caused them to sink. It took several hours to determine the exact location and effects of the spill, but eventually it was found that a capacitor was damaged and the entire contents had been released. Information was provided to TAT member Millar (from ADM) that the oil/water mixture overflowed the berm. However, it was also suspected that a valve leading from the berm was opened allowing the material to enter a storm drain. Absorbent booms were placed around the catch basin and the site was secured due to impending rain. Asea Brown - Boveri company (ABB) was contracted by ADM to clean up the site. The site was further secured, the three capacitors in the cabinet were removed and drummed, and the following samples were collected: water/oil from the berm, surface soil outside the berm (at overflow location), soil at 18"-24" below the surface at the overflow location, and soil from the catch basin of the storm drain. In addition, a small hole was punctured in one of the non-leaking capacitors, and oil was analyzed for an estimated PCB content. The results were as follows:

Water/oil in dike	11.4	ppm PCB's
Surface Soil at overflow location	1060	ppm PCB's
Soil at 18"-24" at overflow location	25	ppm PCB's
Sediment from catch basin	8.5	ppm PCB's
Capacitor oil	939,000	ppm PCB's

Assuming that the three capacitors in the cabinet were filled at the same time, 939,000 ppm was the concentration reported to the National Response Center. By 1700 hours many of the Potentially Responsible Party's (PRP's) questions concerning the cleanup and their responsibilities were still unanswered, so the National Response Center and the Environmental Protection Agency were contacted and ADM replaced ABB with General Electric to remediate the site.

After the incident details had been reviewed, cleanup plans were discussed. Ron McMorris of General Electric and TAT Millar discussed the cleanup requirements listed in the U.S. Code of Federal Regulations, section 761.125, and agreed that soils would be excavated to a level of 25 ppm (for an industrial area), and that concrete surfaces (in an outdoor, low contact area) would be cleaned to a level of 100 ug/100 square centimeters as measured by standard wipe tests. Excavation of soil would include all visible contamination, with an additional one foot (laterally) outside of the visible boundaries. TAT member Millar would screen soil during excavation to determine extent of soil to be excavated. General Electric mobilized a crew of workers from Charlotte, North Carolina but difficulties delayed their arrival. Site activities were called off until the next day.

SUMMARY

On 12 May 1992, TAT and General Electric workers met on-site at 0800 to begin the cleanup. Prior to cleaning the cement bermed area, the water/PCB oil mixture was pumped into drums. Crew members used shovels and squeegees to remove algae and debris which had collected in the dike over time. After the material was removed, General Electric workers scrubbed the cement dike with Amway (LOC) soap, rinsed the area with water, and absorbed excess moisture with dry absorbent. The dry absorbent was then vacuumed and drummed for disposal. The next day the entire sequence was repeated. After the dike had been cleaned, wipe samples were collected at thirteen locations (Attachment - B). The cabinet which housed the capacitors was then addressed using the same cleanup method. Panels from the cabinet were merely wiped down as there was no visible contamination on them. Wipe samples #14 - #18 were collected from the cabinet for analysis (Attachment - C).

Excavation of soil in the spill area began 14 May 1992. During the excavation, TAT member Millar screened the soil with field screening kits to determine if the contamination had been removed. The test kits are only able to screen PCB levels to 50 ppm and the cleanup level was set at 25 ppm, however this information helped determine when confirmation samples could be collected. Samples A - L were collected from the immediate spill area. Screening of soils by TAT member Millar in several areas surrounding the dike indicated that elevated PCB levels existed outside the proposed cleanup area. Samples M - Q were collected along the west side of the dike, with M - O being at depth and P & Q at the surface. The

crew was running out of sampling materials and the transport truck had arrived to collect the drums, so General Electric decided that no further excavation would take place until confirmation samples had been analyzed. Prior to departure, TAT member Millar screened soil on the north end of the dike and found that several Chor-n-soil tests showed PCB levels greater than 50 ppm. TAT Millar suggested that a composite sample be collected along the surface, outside the dike, to confirm PCB levels and determine if soil needed to be removed. This composite sample was labeled "R". All samples were packaged and sent to Trinity Environmental Laboratories in Mound Valleys, Kansas for analysis. M & T Drums based in Gaffney, South Carolina transported the drums of waste (see Table of Witnesses). Thirty-four, fifty-five gallon drums (17c and 17e type) were transported containing, sand, liquids, debris, and the capacitors. All of the drums were taken to a General Electric Decommissioning facility in Chamblee, Georgia (Attachment - H). Following an inventory, the five drums containing the capacitors and the water/PCB oil mixture will be taken to Rollins Environmental in Deerpark, Texas for incineration. The remaining twenty-nine drums containing sand and debris will be landfilled at the USPCI Grassy Mountain Facility in Lakepoint, Utah (Attachment - D). All drums were labeled with the proper DOT shipping information and labels. General Electric manifests completed along with other necessary paperwork prior to the transporters departure at 1815 hours (Attachment - G). All other site personnel departed at 1830 hours.

TAT member Millar received the results of the soil and wipe samples from Ron McMorris on 29 May 1992. The results indicated that the concrete berm and the cabinet floor required additional cleaning. Soil near the catch basin and at the north and west walls of the berm contained elevated levels of PCB's as well, and would have to be excavated (Attachment - F).

TAT Millar and two General Electric workers returned to the site on 10 June 1992, to continue cleanup activities. Additional soil was excavated in the areas where elevated PCB levels existed. Chlor-n-soil screening kits were again utilized to determine if levels were <50 ppm. Confirmation samples were collected and given the following sample I.D.'s: G-1 and Q-1 collected at previous location of G and Q. S through X were collected at previous composite sample R. The concrete berm was scrubbed again using a different type of cleanser called Capsure. The soap seemed to be lifting more contamination as rags turned brown almost instantly. The cleaning procedure included scrubbing with steel wool and then blotting up excess liquids with linen cloths. This procedure was carried out twice. Wipe samples of the berm were collected six inches from the previous sampling locations and given the I.D.'s 1-1 through 1-13. The cabinet was cleaned again and wipe samples were labeled 1-14 through 1-19 (Attachment - C).

On 11 June 1992 General Electric finished sampling and was prepared to load drums of waste for disposal. Loading was delayed as there were no cranes available to stage drums until 1300 hours. General

Electric labeled drums according to DOT regulations and manifests were completed and signed. Sixteen drums were transported off-site for disposal. The drums contained sand and linen cloths which will be landfilled at USPCI Grassy Mountain facility in Lakepoint, Utah after being inventoried by General Electric (Attachment - H).

Prior to departing the site, TAT member Millar suggested to Assistant Plant Manager, Doug Carlson, that several surface, soil samples be collected outside the berm, extending laterally from the excavation. This would ensure that all the contamination was addressed. It appears that spills may have occurred several times over the years in this area and surface contamination may be prevalent. Mr. Carlson said he would consider the suggestion. TAT member Millar departed the site at 1650 hours.

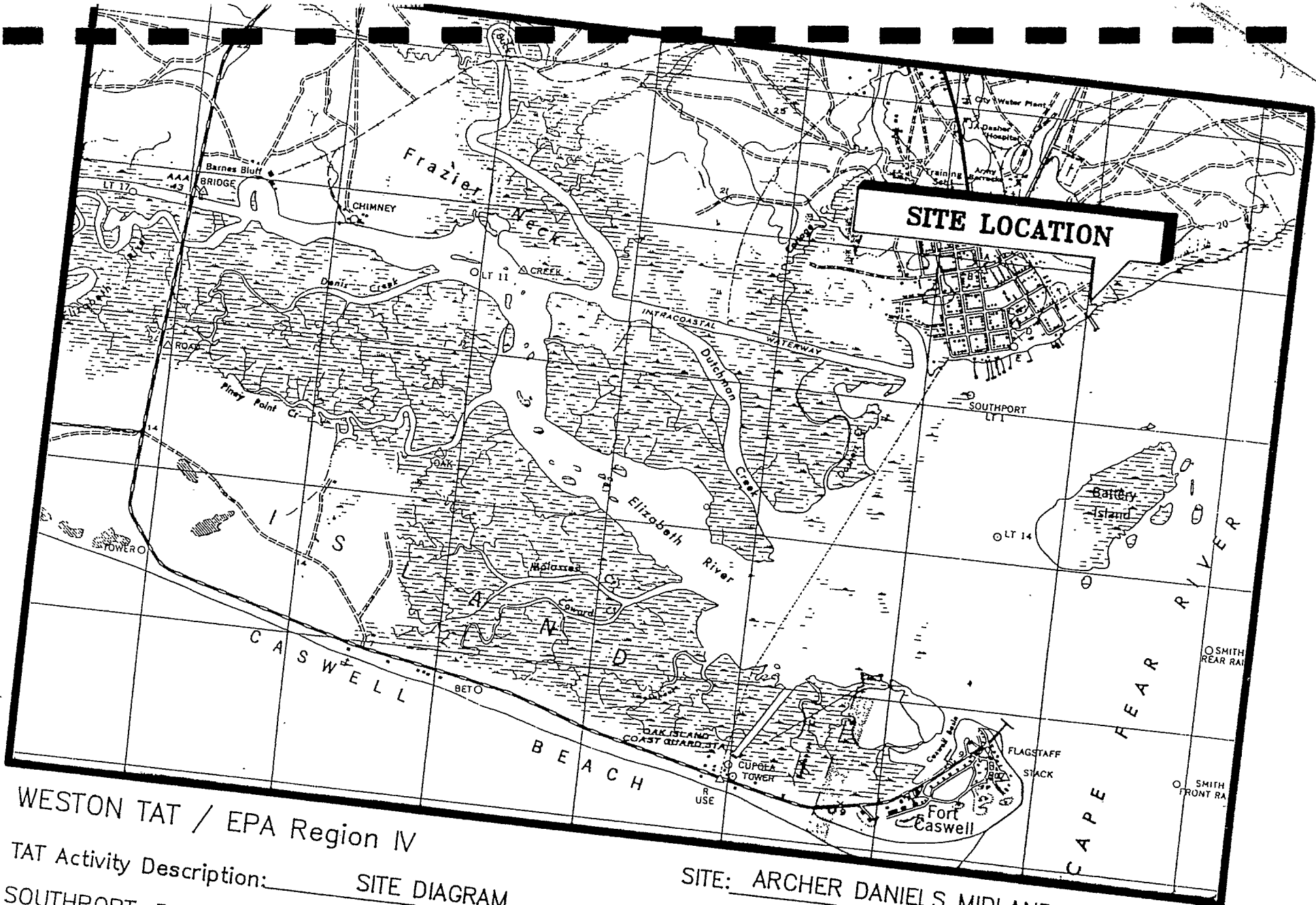
On 07 July 1992, the second set of results were received indicating that the concrete berm still contained elevated levels of PCB's in some areas. However, the levels had dropped significantly from the previous analysis and Ron McMorris, as well as ADM personnel, felt one more cleaning would bring levels down to 100 ug/100 square centimeters. Crew members will complete the third cleaning during the week of 06 July 1992. Results of the wipe samples will be added to this report at a later date.

CONCLUSION

Further EPA actions at the ADM PCB Site are contingent upon the OSC's review of this report.

ATTACHMENTS

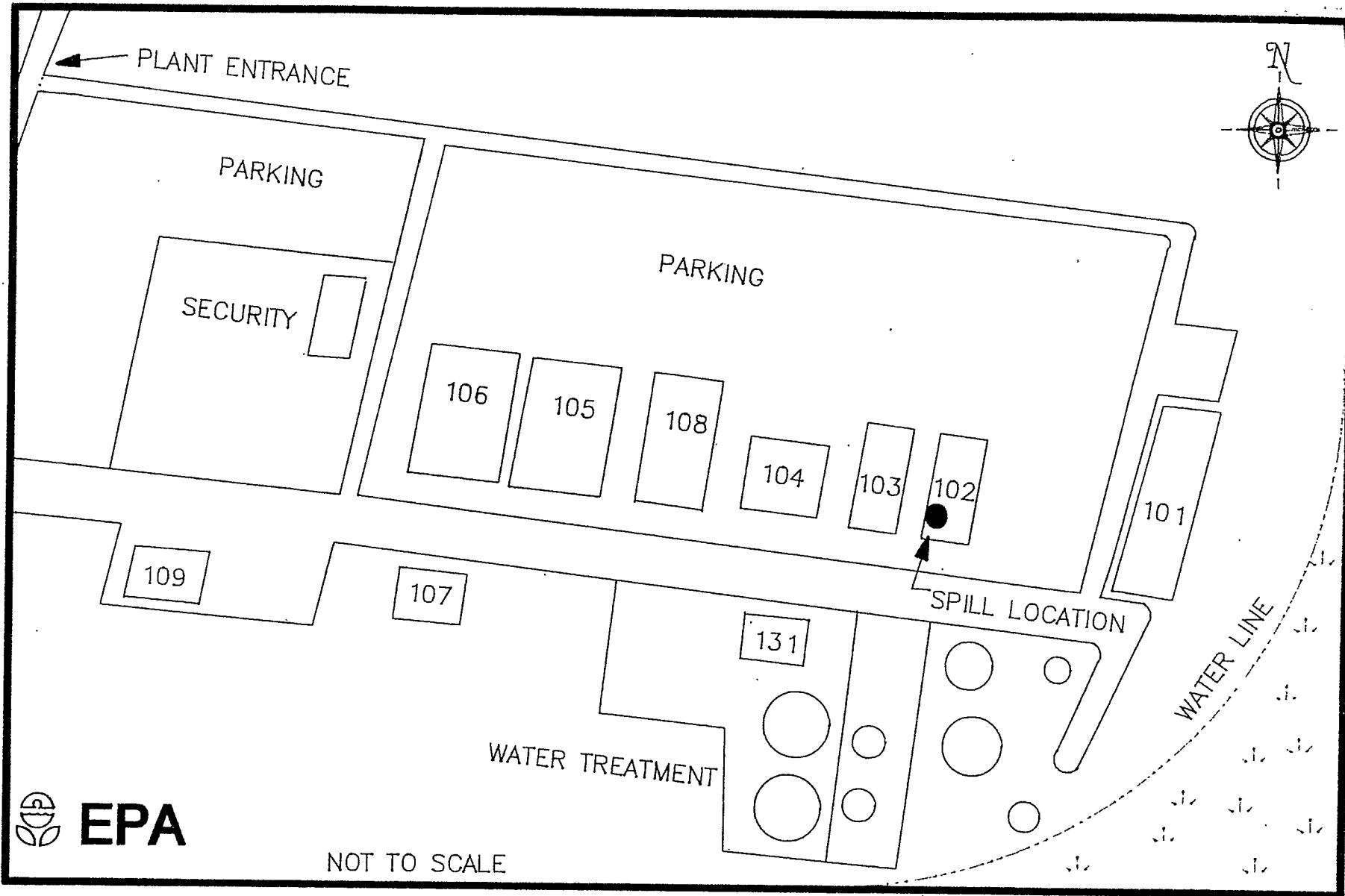
Figures 1-3 Maps & Sketches
Attachment A - Site Assessment and Referral Form
Attachment B - Photographs
Attachment C - Log Notes
Attachment D - Table of Witnesses
Attachment E - Safety Plan
Attachment F - Sample Data
Attachment G - Manifests
Attachment H - PRP's Drum Inventory
Attachment I - Incident Reports



WESTON TAT / EPA Region IV
 TAT Activity Description: _____
 SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

SITE DIAGRAM

SITE: ARCHER DANIELS MIDLAND PCB SPILL
 TDD NO.: 04-9205-0007
 DATE: 10 JUNE 1992



NOT TO SCALE

WESTON TAT / EPA Region IV

SITE: ARCHER DANIELS MIDLAND PCB SPILL

TAT Activity Description: SITE DIAGRAM

TDD NO.: 04-9205-0007

SOUTHPORT, BRUNSWICK COUNTY, NORTH CAROLINA

DATE: 10 JUNE 1992

NORTH CAROLINA

DHR/DHS

Pfizer, Inc.
NCD075578385
Screening Site Investigation

June 1989

CERCLA

By Edward Wallingford
Environmental Chemist
SUPERFUND BRANCH
SOLID WASTE MANAGEMENT SECTION



North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

29 March 1989

Mr. Robert Morris
EPA NC CERCLA Project Officer
EPA Region IV Waste Division
345 Courtland Street, NE
Atlanta, GA 30365

Dear Mr. Morris:

SUBJECT: Summary Trip Report
Screening Site Investigation, 28 March 1989
Pfizer, Inc. NCD 075578385
P.O. Box 668
South Port, NC 28416

On 28 March 1988, NC Superfund Branch personnel Ed Wallingford and Grover Nicholson conducted a field investigation of the Pfizer, Inc. site. The investigators met on-site with Plant Manager John Kane and Shipping and Receiving Manager Frank Smith. Mr. Kane and Mr. Smith provided the following:

Pfizer, Inc. is a manufacturer of citric acid, potassium citrate, and sodium citrate. The company also produces gypsum as a byproduct. Pfizer has been in operation at its current location since the plant was built on farmland in 1976. The facility consists of three tracts of land that occupy a total of approximately 2700 acres. Two of the land tracts are used for landfarming non-hazardous processing waste.* This waste consists of unspecified biomass and "carbon cake mud" from fermentation and other unit processes. "Carbon Cake Mud" is a waste product that is comprised of carbon, perlite filter aid, gypsum, calcium citrate, barium sulfate and water; it is produced at a rate of about 20-25 cubic yards of dry material per day. The barium sulfate content of the cake mud was

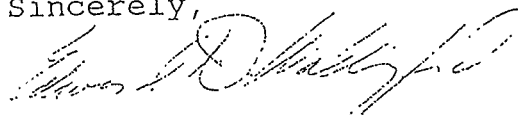
found to be approximately 0.7% on a weight/weight basis. Currently, the biomass is distributed to area farmers as fertilizer (high nitrate content) and the cake mud is landfarmed on company property. Pfizer maintains a permit for the application of both of the waste products (i.e. for "yeast cream spreading") with the NC NRCD-Division of Environmental Management. As a permit condition for operating the landfarm, twelve monitoring wells have been installed at the three landfarming areas.

Pfizer is not a RCRA facility. Sodium ferrocyanide is used in the manufacture of the company's products, however, it is used as an iron complexer and thus would yield ferro-ferrocyanide, a very stable compound. Radioactive wastes have never been produced at the facility and its inclusion on the 1978/1979 Eckhardt Survey List was a mistake. Drinking and process water for the facility is supplied by the Brunswick County water system.

After the meeting, Mr. Smith accompanied the investigators to the landfarming areas. Two groundwater samples were taken from monitoring wells at the Swain and Dutchman Creek landfarming areas. Surface soil samples were also taken at these locations. Background water and soil samples were obtained at the private residence of Mr. Johnson Cumbee. Mr. Johnson's residence is located upgradient of the Swain and Dutchman Creek areas on Old Bethel Church Road (919/457-5156). An additional off-site groundwater sample was obtained at the residence of Mr. William Loeffler (919/457-6721). The Loeffler residence is located essentially adjacent and downgradient of the Pfizer landfarming tracts "1&2". The samples were submitted to DHR/DHS State Laboratory of Public Health for analysis.

If you have any questions, please contact me at (919) 733-2801.

Sincerely,



Edward Wallingford, Environmental Chemist

* note: Frank Smith was contacted on 23 June 1989 for clarification on which land tracts are used for landfarming. He stated that all three areas are used.

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003




Appendix V – Site Photographs and Reconnaissance Checklist

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



			1/9/2019
			Photographer: Claudia Irvin
1	Location / Orientation	View looking northeast from entrance road at ferry terminal.	
	Remarks	View of western side of ferry terminal – upper level baggage drop off on left and lower baggage drop off on right.	
			1/9/2019
			Photographer: Claudia Irvin
2	Location / Orientation	View looking east from the passenger ferry outside waiting area.	
	Remarks	View of contractor ferry, ferries not actively being used on this day, and maintenance building.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003





			1/9/2019
			Photographer: Claudia Irvin
3	Location / Orientation	View looking northeast along Ferry Road from eastern entrance into subject property.	
	Remarks	Extension of Ferry Road east towards the NCDOT Fort Fisher ferry landing east of the subject property.	
			1/9/2019
			Photographer: Claudia Irvin
4	Location / Orientation	View looking east at adjacent Harbor Master building and marina.	
	Remarks	Adjacent marina and Harbor Master building.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003




			1/9/2019
			Photographer: Claudia Irvin
5	Location / Orientation	View looking south from terminal passenger ferry waiting area.	
	Remarks	Adjacent marina facility.	
			1/9/2019
			Photographer: Claudia Irvin
6	Location / Orientation	View looking east from terminal passenger waiting area.	
	Remarks	View looking at contractor ferry and the interior of the passenger ferry waiting area.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003




		1/9/2019
		Photographer: Claudia Irvin
7	Location / Orientation	View looking northeast along terminal upper level baggage drop off.
	Remarks	View of upper level baggage drop off.
		1/9/2019
		Photographer: Claudia Irvin
8	Location / Orientation	Interior view of baggage conveyor belt.
	Remarks	Baggage transfer conveyer belt from upper to lower baggage drop off area at terminal.

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003





		1/9/2019
		Photographer: Claudia Irvin
9	Location / Orientation	Interior view of terminal area fire suppression pump room.
	Remarks	Interior office fire suppression pump room.
		1/9/2019
		Photographer: Claudia Irvin
10	Location / Orientation	View looking southeast near barge landing.
	Remarks	Barge landing hydraulics building. Typical onsite transformer.

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



			1/9/2019
			Photographer: Claudia Irvin
11	Location / Orientation	View looking south at Shipping and Receiving Building.	
	Remarks	Northern side of Shipping and Receiving building.	
			1/9/2019
			Photographer: Claudia Irvin
12	Location / Orientation	View of eastern side of Shipping and Receiving building.	
	Remarks	Outside eastern storage area of Shipping and Receiving building.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



			1/9/2019
			Photographer: Claudia Irvin
13	Location / Orientation	View looking south at Maintenance Building.	
	Remarks	View of north side of Maintenance Building and used oil tank, used oil filters container and mobile bilge slops tank.	
			1/9/2019
			Photographer: Claudia Irvin
14	Location / Orientation	View looking east at barge landing.	
	Remarks	Western side of barge landing hydraulics building.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003





			1/9/2019
			Photographer: Claudia Irvin
15	Location / Orientation	View looking east from barge landing area.	
	Remarks	Storage building for portable generators located near barge landing.	
			1/9/2019
			Photographer: Claudia Irvin
16	Location / Orientation	View looking north inside fenced in area north of Maintenance Facility.	
	Remarks	Onsite Town of Southport sanitary sewer lift station.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003





			1/9/2019
			Photographer: Claudia Irvin
17	Location / Orientation	View looking north inside fenced in area north of Maintenance Facility.	
	Remarks	Onsite backup generator for terminal facility.	
			1/9/2019
			Photographer: Claudia Irvin
18	Location / Orientation	View looking north inside fenced in area north of Maintenance Facility.	
	Remarks	Trash compactor for onsite solid waste.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003




			1/9/2019
			Photographer: Claudia Irvin
19	Location / Orientation	View looking east from Shipping and Receiving building.	
	Remarks	View of western side of onsite dredge spoil basin.	
			1/9/2019
			Photographer: Claudia Irvin
20	Location / Orientation	View looking south inside the western storage area of the onsite Maintenance building.	
	Remarks	Drums of hydraulic oil and sump that drains to oil water separator.	

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



			1/9/2019
			Photographer: Claudia Irvin
21	Location / Orientation	View looking east from the north side of the onsite Maintenance building.	
	Remarks	North side of Maintenance building and the oil water separator.	
			1/9/2019
			Photographer: Claudia Irvin
22	Location / Orientation	North side of Maintenance building.	
	Remarks	View of drum of unknown contents located on north side of Maintenance building.	



Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



			1/9/2019
			Photographer: Claudia Irvin
23	Location / Orientation	View looking west on south side of Shipping and Receiving building.	
	Remarks	Backup generator for nearby IT building.	
			1/9/2019
			Photographer: Claudia Irvin
24	Location / Orientation	View looking north along western portion of subject property.	
	Remarks	Western area of property where dredge spoils were placed and covered with stone.	





		1/9/2019
		Photographer: Claudia Irvin
25	Location / Orientation	North wall of interior of Maintenance Building.
	Remarks	View of 300-gallon aboveground storage tank of new oil.
		1/9/2019
		Photographer: Claudia Irvin
26	Location / Orientation	View looking south along western wall of interior of Maintenance Building.
	Remarks	Typical view of equipment and new oil drums storage inside Maintenance building.

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003





27	Location / Orientation	Eastern room in Maintenance Building.	Photographer: Claudia Irvin	
	Remarks	View of tool room on the eastern side of the onsite Maintenance building.		
				1/9/2019
28	Location / Orientation	View looking east inside Shipping and Receiving building.	Photographer: Claudia Irvin	
	Remarks	View of interior of Shipping and Receiving building.		
				1/9/2019

Representative Photographs
Deep Point Ferry Terminal

Southport, Brunswick County, North Carolina
 S&ME Project No. 4305-19-003



				1/9/2019
				Photographer: Claudia Irvin
29	Location / Orientation	View looking north on north side of Maintenance building.		
	Remarks	Used oil tank and used oil filter container located on the north side of the Maintenance building.		
				1/9/2019
				Photographer: Claudia Irvin
30	Location / Orientation	View looking south on the north side of Maintenance building.		
	Remarks	View of mobile tank used for the collection of bilge water from ferries.		



SITE RECONNAISSANCE CHECKLIST
Phase I Environmental Site Assessment

Site and Project Information

Site Name: *Deep Point Ferry Terminal*
Job Number: *430519-003*
Site Address: *1301 Ferry Rd Southport NC*
Date: *1/9/2019*
Site Reconnaissance performed by: *C. IRVIN, SAME*
Accompanied by: *Bill Mack, Bald Head Island Ltd (owner rep.)*
Representing whom:
Site Map attached: Y / N

Site Sketch

Job Number: *430519 003*
Date: *1/9/2017*



SITE RECONNAISSANCE CHECKLIST
Phase I Environmental Site Assessment

General Property Description:

Structures (# and use of buildings, type of construction, # of stories, approx. age, current source of heating fuel, apparent age of current heating system, evidence of former heating system, presence of floor drains, sumps, elevators, chemical storage, current/past septic systems):

Ferry Terminal
upper bag drop off
lower " " " + cafe, waiting area, office, - 2 stories
10 yrs old
electric heat

Site Manager (name, title, affiliation, period on-site):

Bill Mack - BHI, Ltd Facilities + Construction Mgr

Occupants (name, title, affiliation, period of occupancy):

BHI, Ltd - transportation entity - 10 yrs. (built it + occupied it)

Pavements (type, general condition):

asphalt - good

Limitations (locked doors, unsafe conditions, ground cover, low light, excluded areas):

None

Inaccessible areas (location, size, why inaccessible):

None, except spoil area (unsafe slope)

Topography:

Flat, with exception of spoil area

Soil Type:

Sandy

Rock Outcrops:

None observed

Apparent direction of G/W flow:

Job Number: 4305-19-003

Date: 1/9/2019



SITE RECONNAISSANCE CHECKLIST

Phase I Environmental Site Assessment

On-site Observations

USTs	Photograph #	Describe (location, size, contents, current use): <i>1-diesel on adjacent property - Marina - 1-gas</i>
ASTs	Photograph #	Describe (location, size, contents, current use): <i>Yes - used oil, oil filter, bridge stops,</i>
Drums	Photograph #	Describe (#, location, content): <i>Yes - New/used. new motor oil</i>
Staining/Spills	Photograph #	Describe (location, appearance): <i>None oils</i>
Solid waste storage/disposal	Photograph #	Describe (location, type): <i>Yes - compactor - N. side of Maint Bldg</i>
Unusual or noxious odors	Photograph #	Describe <i>None + dumpster near Shippy</i>
Transformers/other PCB equipment	Photograph #	Describe (location, condition, ownership): <i>Yes - all pad - all <50ppb PCBs</i>
Stressed vegetation	Photograph #	Describe (apparent cause, appearance) <i>No</i>
Discolored or disturbed Soil	Photograph #	Describe (apparent cause, appearance) <i>No</i>
Mounding or piles of Soil	Photograph #	Describe (location, size, content, source): <i>Yes - Berm around spoil pile dredge</i>
Evidence of Land Filling	Photograph #	Describe (location, size, purpose): <i>Yes N/W parking area</i>
Depressions	Photograph #	Describe (apparent cause): <i>No</i>
Lagoons, pits, ponds	Photograph #	Describe (appearance, age, ownership) <i>No</i>
Railroad Spurs	Photograph #	Describe (appearance, age, ownership) <i>No</i>
Monitor Wells	Photograph #	Describe (location, age, ID, purpose, installer) <i>No</i>
Municipal water/sewer	Photograph #	Describe <i>Yes - Southport Lift Station for SWS Hydrants - City Water</i>
Water supply wells/septic tanks	Photograph #	Describe <i>No</i>
Other <i>Oil Water Separator</i>	Photograph #	Describe <i>maintained/checked by Ferry Maint. Crew</i>
Other <i>Sump</i>	Photograph #	Describe <i>W side of Maint - bldg - Bldge water into sump then to OWS.</i>
Other	Photograph #	Describe

Job Number: *4305-19-003*

Date: *1/9/2019*



SITE RECONNAISSANCE CHECKLIST
Phase I Environmental Site Assessment

Are MSDS's available for stored chemicals: Y / N *No*

Non-hazardous waste disposal by: *Waste Management*

Hazardous waste disposal by: *N/A*

Off-site Observations

Property to the <i>N</i> is at a higher /lower elevation than subject property	Photograph(s) #	Describe observations <i>Ferry Rd Southeast / wooded</i>
Property to the <i>E</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>DOT Property</i>
Property to the <i>S</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>Cape Fear River</i>
Property to the <i>W</i> is at a higher/lower elevation than subject property	Photograph(s) #	Describe observations <i>Deep Port Marina</i>

Interviews

Esorted by Bill Mack with Bald Head Island hauled - see typed interview

Job Number: *4305-19-009*

Date: *1/9/2019*

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix VI – Interview Documentation



RECORD OF TELEPHONE CONVERSATION

Project Number: 4305-19-003
Project Name: Deep Point Ferry Terminal
Date: 1/09/2019
Telephone No.: In Person
Start: 10:30 a.m.
Finish: 3:00 p.m.
Call To: Bill Mack
Company: Facilities and Construction Manager with Bald Head Island Limited (Owner)
Call From: Claudia Irvin
Company: S&ME, Inc.

Conversation:

Mr. Mack gave a background of the property and why the Phase I ESA is being required. The Mitchell Family owns the property under Bald Head Island (BHI) Limited (Ltd). BHI Ltd is a subsidiary to Mitchell Energy Group. Bald Head Island Limited is split into Bald Head Island Shoals Clubs and Bald Head Island Transportation. There are plans for the transportation entity to be sold off to a newly formed Ferry Authority. He believes the property was purchased around 1997 from Pfizer Corporation. The only known prior use was a road to a contractor ferry and barge landings.

The start of the ferry terminal construction project was in 2007. It took about 1 year to clear the property. The ferry terminal was completed in June 2009. Mr. Mack began work for BHI Ltd in 2007. During the site recon, Mr. Mack explained the following: There are two ferry areas - one for public, the other for contractors. There is a baggage and passenger drop off on the upper level and lower level. Bags dropped at the upper level are transported by conveyor belt to the ferry landing. Upstairs in the Ferry terminal is a cafe, elevator room, offices, outside waiting area for passengers. Downstairs in the ferry terminal is baggage and passenger drop-off, ticket window, and staging area for baggage and loading area for passengers. The ferries are fueled from a tanker truck (INA Oil) every few days from the lower level. There is no fuel onsite for the ferries.

On the eastern side of the site is a dredge spoil pile from dredge operations in the channel and marina area. This material was moved to the western side of the property where new parking areas will be constructed. A stormwater forebay and pond associated with their NPDES Permit is on the southeastern side of the property. Drainage from the Maintenance and Shipping and Receiving areas flow to this pond. The Shipping and Receiving (S&R) is for internal use only - built in 2009. The outside eastern storage area is leased by the Bald Head Island Golf. Only store empty acetic acid totes (coming back from utilities department on BHI). The IT Building is located on the south side of the S&R Bldg - backup generator is for IT Bldg only. The structure near the barge landing is for the hydraulics control for the landing. Small generator near this building is not operable.

Maintenance bldg (built in 2010) used to fix parts of ferries (4 ferries and 1 barge presently). 300 gal new oil AST inside as well as parts washer and 55 gallons drums of oil from oil changes for ferries. Sump in side storage area is for the water drained from the mobile AST (used to collect bilge slops from ferries). Sump drains to oil water separator (OWS) on north side of bldg. OWS to City SAS. Also, pump out tanks at end of docks where ferries are parked drain to City lift station.

Backup Generator (500 gallon diesel), trash compactor for use by the ferry terminal operations. Adjacent sanitary sewer lift station is operated by City of Southport.

To the southwest, adjacent marina - has 8 slips, about 20 people live there. Harbor Master building is for use by marina residences (has swimming pool). Two small buildings on east side of Harbor Master bldg are used for swimming pool supplies and by the Facilities Maintenance Group, like electrician. Gas (8K) and diesel (12K) USTs in parking lot by Harbor Masters. Two sumps in parking lot between USTs and dispensers at marina dock. Fuel lines runs under walkway to Dock Fueling area. Sump located each of the 2 dispensers. Lines have lead detection and tanks have tank overfill protection and interstitial monitoring. He said during construction, a line was hit, but caught quickly and fuel-contaminated sand was removed from site.

During the recon of the parking areas, it was noted that there were small transformers near all public entrance gates that have pay stations.

Mr Mack was not aware of any environmental issues with the property, except for the fuel line hit during construction.



RECORD OF TELEPHONE CONVERSATION

Project Number: 4305-19-003
Project Name: Deep Point Ferry Terminal
Date: 2/1/2019
Telephone No.: 910-457-7915
Start: 11:00 a.m.
Finish: 11:05 a.m.
Call To: Mr. Charles Drew
Company: Southport Fire Department
Call From: Claudia Irvin
Company: S&ME, Inc.

Conversation:

Ms. Claudia Irvin of S&ME contacted the Southport Fire Department concerning fire and hazardous material releases in connection with the subject property.

Mr. Charles Drew, Fire Chief with the Southport Fire Department, stated that the only responses to the subject property have been false alarms when the adjacent marina's fire alarms were set off. Mr. Drew stated that no fire responses or hazardous material responses have been recorded in connection with the subject property.

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix VII – Contract and User Questionnaire



December 14, 2018

Bald Head Island Transportation Authority
c/o McGuire Woods, LLP
300 North Third Street, Suite 320
Wilmington, North Carolina 28401

Attention: Chair Susan Rabon
Mr. Dickson McLean

via email: susanrabon@gmail.com
via email: dmclean@mcguirewoods.com

Reference: **Proposal for Phase I Environmental Site Assessment
Deep Point Marina**
Southport, Brunswick County, North Carolina
S&ME Proposal No. 43-1800971 (Rev 1)

Dear Chair Rabon:

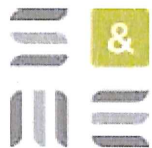
S&ME, Inc. (S&ME) appreciates the opportunity to submit this proposal to perform a Phase I Environmental Site Assessment (ESA) for the above-referenced property. The proposal describes our understanding of the project, outlines our approach and presents a schedule and proposed fee for these services. Our Agreement for Services (Form AS-071) is attached and is incorporated as part of this proposal.

◆ Property Description

Information that we have concerning the subject property was provided by Dickson McLean of McGuire Woods LLP via telephone and email to Ms. Claudia Irvin of S&ME on December 12, 2018. S&ME performed a Phase I ESA on the subject property, which is documented in *Report of Phase I Environmental Site Assessment – Deep Point Marina*, dated September 7, 2017 (S&ME Project No. 4305-17-125). The services were performed for Bald Head Island Limited, LLC. Per our conversation, we understand the newly formed Bald Head Island Transportation Authority (the Authority), which McGuire Woods LLP is representing is purchasing the Deep Point Marina property. The Authority requires an updated Phase I ESA for the property.

The subject property consists of the same approximate 76 acres of the Deep Point Marina assessed during the 2017 Phase I ESA. Information obtained from the Brunswick County GIS for the parcel comprising the subject property is listed in the table below:

Parcel ID No. (PIN)	Parcel Size (acres)	Parcel Address	Acres/Deed/Use Description	Property Owner
23800003	76.68	1301 Ferry Road Southport, NC	Presently a Marina, 76.39 Acres, Plat 20/414 SR-1540. Deed Book 1083 / Page 0879	Bald Head Island Limited, LLC P.O. Box 3069 Bald Head Island, NC 28461



◆ Scope Of Services

General

The most widely utilized standard for performing Phase I ESAs is the standard developed by the American Society for Testing and Materials (ASTM) entitled E1527 *Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process*. An assessment performed in accordance with this standard meets requirements for *All Appropriate Inquiries (AAI)* per 40 CFR Part 312 and may permit the User to qualify for certain *Landowner Liability Protections (LLPs)*.

We understand that the proposed Phase I ESA is being performed in connection with a planned transaction involving the subject property. Accordingly, the purpose of the assessment is to identify *recognized environmental conditions* (as defined in ASTM E1527-13) in connection with the property.

Viability of the Phase I ESA

ASTM E1527-13 states that an ESA “meeting or exceeding” this practice and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid if the report is being relied upon by the User for whom the assessment was originally prepared.

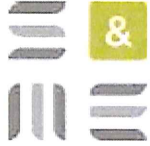
Proposed Services

S&ME’s approach to performing a Phase I ESA under the ASTM E1527-13 Standard Practice includes the following tasks.

Task I – Records Review

A review of *reasonably ascertainable* and practically reviewable public records for the site and the immediate vicinity will be conducted to characterize environmental features of the site and to identify past and present land use activities, on or in the vicinity of the site, which may indicate evidence of *recognized environmental conditions*. The review of the public record will include:

1. Review of federal, state and tribal standard environmental record sources as well as selected local sources in accordance with the specified minimum search distances in ASTM E1527-13. The search of these records will be performed by a firm specializing in this service with results presented in a written report that will be appended to S&ME’s Phase I ESA report. Regulatory file information may be reviewed if the subject property or adjoining property is listed on one or more of the standard environmental record sources, the file information is *reasonably ascertainable* and can be obtained within a reasonable timeframe and at a reasonable cost. The regulatory records will be reviewed to evaluate potential environmental impacts to the subject property from on-site and nearby sources to include soil, groundwater, and vaporous form contaminants.
2. Examination of one or more historical records sources such as: aerial photographs, fire insurance maps, street directories, USGS 7.5 minute topographic maps, fire department or health department records for evidence suggesting past uses that might have involved hazardous substances or petroleum products.



Task II – Site Reconnaissance

A site reconnaissance will be performed to identify visible signs of environmental conditions on or adjoining the property that might be indicative of activities resulting in hazardous substances or petroleum products being used or deposited on the property. The site reconnaissance will include the following activities:

1. Performing a visual reconnaissance of the subject property and adjoining properties (from public rights-of-way) for evidence of the possible presence of contaminants or contaminant sources.
2. The periphery of the property will be viewed, and a walk-through of accessible areas of the site interior, including on-site structures, will be conducted if readily accessible.
3. Noteworthy site features and conditions will be photographed.

Task III– Interviews

Interviews with appropriate local officials will be conducted to consider local knowledge of hazardous substances or petroleum products on the subject property or on adjacent properties. Past and current property owner(s), operators and key occupants will be interviewed regarding the potential for contamination at the property to the extent they have been identified by the client and that information likely to be obtained is not duplicative.

Task IV – Written Report

Upon completion of the public record review, interviews and site reconnaissance, S&ME will provide a written report documenting findings, opinions and conclusions. We will produce an electronic copy of the report in PDF format.

Our conclusions will be presented in terms of the presence or absence of *recognized environmental conditions* as defined in ASTM E1527-13. However, a conclusion of “no evidence of recognized environmental conditions” should not be interpreted as a guarantee or warranty that the property is “clean” or free of all contaminants. Environmental conditions may exist on the property that may not be identified through the scope of ASTM E1527.

Excluded Services

Unless specifically authorized as an addition to the Phase I ESA work scope, the assessment will not include any assessment of environmental conditions not specifically included in the ASTM E1527-13 standard, including but not limited to, sampling of materials (i.e. soil, surface water, groundwater or air), or the assessment of business risk issues such as wetlands; asbestos-containing materials; lead-based paint; lead in drinking water; mold, fungi or bacteria in on-site buildings; regulatory compliance; cultural/historic resources; industrial hygiene; health/safety; ecological resources; endangered species; indoor air quality including any assessment of vapor intrusion; radon or high voltage power lines. Further, the scope and cost of Tier 2 Vapor Encroachment Screening is excluded from the work proposed herein.

◆ Client Responsibilities

The Scope of Services, fees and project schedule presented herein are contingent upon the client fulfilling the following responsibilities:



**Proposal for Phase I Environmental Site Assessment
Deep Point Marina**

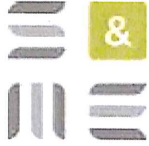
Southport, Brunswick County, North Carolina
S&ME Proposal No. 43-1800971 (Rev 1)

1. Provide the name and contact information for the past and present property owner(s), operators, and key occupants to enable us to conduct the interviews specified in ASTM E 1527-13.
2. As specified in E1527-13, it is the client's (user's) responsibility to
 - A. Complete the enclosed User Questionnaire (To be Completed by a representative of the **Bald Head Island Transportation Authority**)
 - B. Review land title and judicial records for environmental liens or activity and use limitations (AULs), and
 - C. Report these findings to the environmental professional responsible for completing the Phase I ESA.
3. Provide copies of existing environmental reports or testing results relating to conditions at the subject property that may be available to the client (see attached checklist for *User-furnished Information*).
4. Indicate exactly how the final environmental report is to be addressed such as to include a lender or other participant in the property transaction as a co-addressee. There will be an extra charge to reissue the environmental report at a later date.

◆ **Limitations**

ASTM E1527-13 is intended to constitute *all appropriate inquiry* into the property to permit the User to qualify for *Landowner Liability Protections* including the innocent landowner, contiguous property owner or bona fide prospective purchaser limitations on CERCLA liability in an approach that is both commercially prudent and reasonable. The ASTM E1527 standard seeks to reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions* in connection with the property. Further, *all appropriate inquiry* does not imply an exhaustive assessment of real property, but instead calls for the environmental professional to identify a balance between competing demands of limited cost and time and the reduction of uncertainty about unknown conditions.

Please note that our ability to complete the services involved in the review of the public record within the project schedule often depends on the availability of certain maps and records that we may want to review or personnel whom we would want to interview. If we were to experience difficulties in this regard, we would inform you at the earliest possible time and obtain your concurrence on extending the evaluation time period, or terminating that aspect of the evaluation with a discussion of the ramifications of producing the report without the benefit of that information. ASTM E1527-13 states that information is *reasonably ascertainable* if it can be provided for review within 20 days of the request. If information which we request to review is not made available within a 10-day period, we would consult with you on whether to extend our scheduled completion date or to complete the project without the benefit of that information (either option will satisfy ASTM E1527-13 requirements).



◆ Schedule And Fee

The Phase I ESA scope of services outlined above can generally be completed within three weeks of written authorization to proceed. S&ME is prepared to complete the services outlined above for a lump sum fee of **\$3,200**, if the site reconnaissance is conducted on the same day at the Bald Head Island Ferry Depot Landing Phase I ESA services.

Our proposed scope and fee for the Phase I ESA does not include attendance at client meetings, telephone calls, or additional consultation to discuss the findings of the Phase I ESA or the impact of those findings on proposed real estate transaction or site development. These services can be provided upon receipt of written request from the client and will be provided on a time and expense basis.

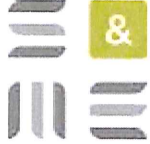
If the client will require reliance on the final Phase I ESA report to an entity other than the entity to which this proposal is addressed, then please provide the name of the additional entity when authorization for our services is provided. If the client requests a reliance letter to a separate entity after the final Phase I ESA report is issued, then a fee of \$500 per additional entity will be required. S&ME will not issue a reliance letter for the Phase I ESA report after the viability date has expired. This quotation is valid for a period of 90 days.

◆ Use of Proposal/Report

This proposal is solely intended for the Basic Services as described in the Scope of Services. The Scope of Services may not be modified or amended, unless the changes are first agreed to in writing by the client and S&ME, Inc. Use of this proposal and corresponding final report is limited to above-referenced project and client. No other use is authorized by S&ME.

◆ Authorization

Our Agreement for Services, Form Number AS-071, is attached and is incorporated as a part of this proposal. Please indicate your acceptance of our proposal by signing the form and returning it to our office. We will then proceed with the performance of the services. If you elect to accept our proposal by issuing a purchase order, then please reference this proposal number and date. Your purchase order will be an acceptance of our Agreement of Services and an authorization to proceed with the performance of our services. The terms and conditions included in any purchase order shall not apply, as our agreement is for services that are not compatible with purchase order agreements. **If this proposal is transmitted to you via email, and if you choose to accept this proposal by email, your reply email acceptance will serve as your representation to S&ME that you have reviewed the proposal and the associated Agreement for Services (AS-071) and hereby accept both as written.**



Proposal for Phase I Environmental Site Assessment
Deep Point Marina
Southport, Brunswick County, North Carolina
S&ME Proposal No. 43-1800971 (Rev 1)

◆ **Closing**

S&ME appreciates the opportunity to be of service to you. If you have any questions regarding the outlined scope of work, or if we may be of any further assistance, please call.

Sincerely,
S&ME, Inc.

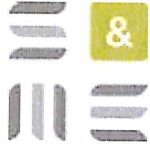
Handwritten signature of Claudia B. Irvin in blue ink.

Claudia B. Irvin
Environmental Professional
cirvin@smeinc.com

Handwritten signature of Edmund Woloszyn, Jr. in blue ink.

Edmund Woloszyn, Jr., REM
Principal Scientist/Project Manager
ewoloszyn@smeinc.com

Attachments: Phase I Environmental Site Assessment User Questionnaire
Property Exhibit
Agreement for Services (AS-071)

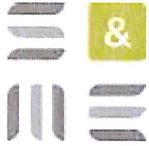


PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

In order to qualify for Landowner Liability Protections (LLPs), ASTM E 1527-13 specifies that the ESA User must provide the following information, if available, to the Environmental Professional. Failure to provide this information could make the ESA incomplete and the User unable to qualify for LLPs.

1. Are you aware of any environmental clean-up liens against the property that are filed or recorded under federal, tribal, state or local laws?
2. Are you aware of any Activity and Use Limitations (AUL's) such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, state or local laws?
3. As the User of this ESA, do you have any specialized knowledge or experience related to the subject property or nearby properties?
4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If not, is the lower purchase price attributable to known or suspected contamination?
5. Are you aware of information about the property that would be helpful in identifying conditions indicative of contaminant releases, such as: a) past use of the property; b) presence of specific chemicals (past or present); c) spills or chemical releases at the property; or d) environmental cleanups that have taken place at the property?
6. As the User of this Phase I ESA and based on your knowledge and experience of the property, are there any obvious indicators that point to the presence or likely presence of contamination on the property?

Printed Name _____ Signature _____ Date _____



User Questionnaire (continued)

In addition, certain other information should be provided, although not necessarily to qualify for *LLPs*, including: contact information for past and current property owners, operators and key occupants; the reason for performing this ESA; and documentation showing the property address, location and boundaries.

7. What is the purpose of the Phase I ESA (i.e., why is it needed)?

8. Is the subject property on city utilities? If so, how long has the subject property been on the city system?
 No Yes (please explain below)

9. Is there or was there previously a septic system present at the subject property?
 No Yes (please explain below)

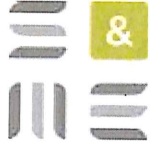
10. If there are buildings on the subject property, how are the buildings heated?
 No Yes (please explain below)

11. Have the buildings always been heated this way? If not, what was the prior heat source(s)?
 Yes No (please explain below)

12. If available, provide contact information for past and current property owners, operators and key occupants.

13. If not provided to S&ME previously, please provide documentation showing the property address, location and boundaries.

Printed Name _____ Signature _____ Date _____



USER FURNISHED INFORMATION

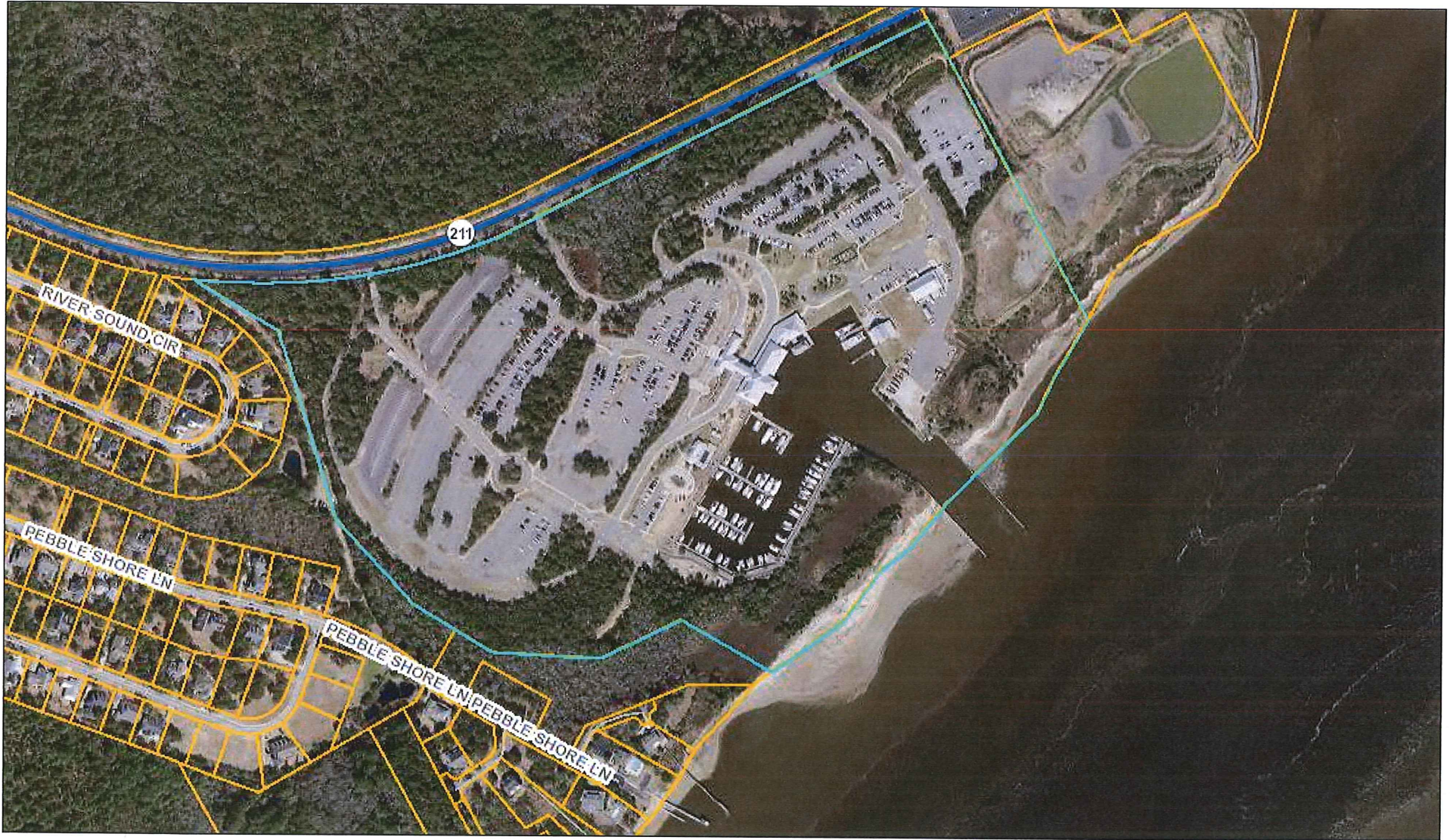
The following is a list of documents and information that could be useful to S&ME, Inc. in preparing your Phase I Environmental Site Assessment (ESA). Please check the appropriate boxes below, sign, and fax or mail this form along with the signed Agreement for Services and completed client/landowner Questionnaire. We will contact you regarding review of any available materials. This form will be attached to, and made a part of, your completed Phase I ESA.

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Environmental site assessment reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Environmental audit reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Environmental permits (i.e. solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits) |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Registrations for underground and above-ground storage tanks |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Material safety data sheets (MSDS) |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Community right-to-know plan |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Safety plans; preparedness and prevention plans; spill prevention, counter-measure and control plans, etc. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Reports regarding hydrologic conditions on the property or surrounding area |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Reports of any past or current environmental remediation on-site or on adjoining properties |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Notices or other correspondence from any government agency relating to past or existing environmental liens encumbering the property |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Hazardous waste generator notices or reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Geotechnical studies |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Report of earthwork or land filling activities on-site |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Information concerning any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Disclosure of sumps, pits, drainage systems (i.e. the existence of and location) |
| <input type="checkbox"/> | <input type="checkbox"/> | 17. Building plans (architectural, utility, structural) |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Description of current site operations, including layout drawings or sketches |
| <input type="checkbox"/> | <input type="checkbox"/> | 19. Title report/chain-of-title |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. Tax assessor records (previous owner and occupants) |
| <input type="checkbox"/> | <input type="checkbox"/> | 21. Purchase price analysis (if lower than comparables) |
| <input type="checkbox"/> | <input type="checkbox"/> | 22. Current and historical photographs of the site |
| <input type="checkbox"/> | <input type="checkbox"/> | 23. Current and historical topographic maps of the site |

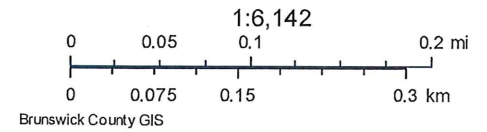
Printed Name _____ Signature _____ Date _____

Brunswick County GIS Data Viewer



12/13/2018, 3:11:02 PM

- | | | | | |
|--------------|------------|----------------|-----------------|--------------|
| Roads | NC Hwy | Parcels | County Boundary | Blue: Band_3 |
| Interstate | State Road | Condo | Red: Band_1 | |
| US Hwy | Minor | Parcel | Green: Band_2 | |





AGREEMENT FOR SERVICES

Form AS-071

Date: 12/14/2018	
S&ME, Inc. (hereafter Consultant)	Client Name: Bald Head Island Transportation Authority (hereafter Client)
Address: 3201 Spring Forest Road City: Raleigh State: North Carolina Zip: 27616 Telephone: (919) 872-2660	Address: c/o McGuire Woods LLP 300 North Third Street, Suite 320 City: Wilmington State: North Carolina Zip: 28401
PROJECT	
Project Name: Phase I ESA – Deep Point Marina Project Location (Street Address): 1301 Ferry Road City: Southport State: North Carolina Zip: 28461	
SERVICES TO BE RENDERED	
Proposal Number: 43-1800971 (Rev 1) dated: 12/14/2018 is incorporated into this Agreement for Services. This Agreement for Services is incorporated into the above Proposal.	

Client desires to contract with Consultant for the Services to be Rendered (“Services”) on Client’s Project, as contained in Consultant’s Proposal. The Proposal and Client’s Project are referenced immediately above.

THEREFORE, in consideration of the Mutual Covenants and Promises included herein, Client and Consultant agree as follows:

- ACCEPTANCE:** Client hereby accepts this offer by Consultant to provide the Services as contained in Consultant's Proposal and agrees that such Services and any additional Services performed by Consultant shall be governed by this Agreement. If Client directs that Services commence prior to execution of this Agreement, Client agrees that commencement of Services by Consultant is in reliance on Client having accepted the terms of this Agreement and acknowledgment that Client will execute this Agreement, forthwith. **CLIENT MAY ACCEPT THIS AGREEMENT FOR SERVICES THROUGH THE USE OF CLIENT’S PURCHASE ORDER, HOWEVER ALL PREPRINTED TERMS AND CONDITIONS ON CLIENT’S PURCHASE ORDER ARE INAPPLICABLE AND THE TERMS OF THIS AGREEMENT SHALL GOVERN.** Unless this offer is previously accepted, it will be withdrawn automatically at 5:00 pm EST, ninety (90) days from the date of issue.
- CONTRACT DOCUMENTS:** "Contract Documents" shall mean this Agreement for Services, the Proposal identified under "SERVICES TO BE RENDERED."
- SCOPE OF SERVICES:** Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the services included in Consultant’s proposal received by Client are adequate and sufficient for Client’s intended purpose. Client shall communicate the provisions of this Agreement for Services to each and every third party to whom Client transmits any part of Consultant’s work. Consultant shall have no duty or obligation to any third party greater than that set forth in Consultant’s proposal, Client’s acceptance thereof and this Agreement for Services. The ordering of work from Consultant, or the reliance on

any of Consultant's work, shall constitute acceptance of the terms of Consultant's proposal and this Agreement for Services, regardless of the terms of any subsequently issued document.

4. **CHANGE ORDERS:** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of proposal, Consultant is entitled to a change order equitably adjusting its Services and fee.
5. **PAYMENT:** Client will pay Consultant for Services and expenses in accordance with the Contract Documents. , and Consultants's fee shall not exceed \$3,200, subject to the limitations and reservations contained in "Schedule and Fee" in Consultant's Proposal. ~~If prices for Services are not specified in the Contract Documents, Consultant's current fee schedule in effect for the type of services performed shall control.~~ Consultant will submit progress invoices to Client monthly and a final invoice upon completion of Services. Payment is due upon receipt of the invoice unless otherwise agreed to in writing prior to the submittal of the invoice. Invoices are past due 30 calendar days after the date of the invoice. Past due amounts are subject to a late fee of one and one-half percent per month (18 percent per annum) or the highest amount allowed by applicable law on the outstanding balance, whichever is less. Attorney's fees and other costs incurred in collecting past due amounts shall be paid by Client. The Client's obligation to pay under this Agreement is in no way dependent upon the Client's ability to obtain financing, payment from third parties, approval of governmental or regulatory agencies, or Client's successful completion of the Project. In addition, CONSULTANT reserves the right to suspend the performance of all services in any case where invoices remain unpaid more than sixty (60) days from the invoice date.
6. **STANDARD OF CARE:** Consultant and its agents, employees and subcontractors shall endeavor to perform the Services for Client with that degree of care and skill ordinarily exercised, under similar circumstances, by consultants practicing in the same discipline at the same time and location. In the event any portion of the Services fails to substantially comply with this standard of care obligation and Consultant is promptly notified in writing prior to one year after completion of such portion of the Services, Consultant will re-perform such portion of the Services, or if re-performance is impractical, Consultant will refund the amount of compensation paid to Consultant for such portion of the Services. CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
7. **LIMITATION OF LIABILITY:** Client agrees that Consultant's services will not subject Consultant's individual employees, officers or directors to any personal liability, and that notwithstanding any other provision of this agreement, Client agrees that its sole and exclusive remedy shall be to direct or assert any claim, demand, or suit only against Consultant. Statements made in Consultant's reports are opinions based upon engineering judgment and are not to be construed as representations of fact. Client and Consultant have evaluated the risks and rewards associated with this project, including Consultant's fee relative to the risks assumed, and agree to allocate certain of the associated risks. To the fullest extent permitted by law, Consultant's aggregate liability to Client, including that of Consultant's officers, directors, employees and agents, is limited to \$100,000, hereinafter referred to as LIMITATION OF LIABILITY. This LIMITATION OF LIABILITY applies to all lawsuits, claims or actions, whether identified as arising in tort, INCLUDING NEGLIGENCE (WHETHER SOLE OR CONCURRENT), PROFESSIONAL ERROR OR OMISSIONS, BREACH OF WARRANTY (EXPRESS OR IMPLIED), NEGLIGENT MISREPRESENTATION, AND STRICT LIABILITY, contract, or other legal theory, including without limitation, Consultant's indemnity obligations to Client related to the Services provided in this Agreement and any continuation or extension of Consultant's Services.

By entering into this Agreement, Client acknowledges that this LIMITATION OF LIABILITY provision has been reviewed, understood and is a material part of this Agreement, and that Client has had an opportunity to seek legal advice regarding this provision.

8. **DISCLAIMER OF CONSEQUENTIAL DAMAGES:** In no event shall Consultant or Client be liable to the other for any special, indirect, incidental or consequential loss or damages, including, but not limited to, lost profits, damages for delay, or loss of use arising from or related to Services provided by Consultant.
9. **REPORTS:** In connection with the performance of the Services, Consultant shall deliver to Client reports, drawings, specifications, computer files, field data, notes, and other documents and instruments prepared by the Consultant reflecting Services provided and the results of such Services. All reports and written documents delivered to Client ("Instruments of Service") are instruments reflecting the Services provided by Consultant pursuant to this Agreement and are made available for Client's use subject to the limitations of this Agreement. Instruments of Service provided by Consultant to Client pursuant to this Agreement are provided for the exclusive use of Client, and with Client's permission, Client's contractors, designers and employees for the purpose and the Project described therein and are not to be used or relied upon by third parties or in connection with other projects. Subject to the permitted use of Client, and Client's agents, and employees, all Instruments of Service, other written documents, all original data gathered by Consultant and work papers produced by Consultant in the performance of or intrinsic to the Services included in the Services are, and shall remain, the sole and exclusive property of Consultant. Files shall be maintained in general accordance with Consultant's document retention policies and practices.
10. **SAFETY:** Consultant is solely responsible for the safety and health of Consultant's employees. Consultant shall take necessary precautions for the safety of its employees. Consultant specifically disclaims any authority or responsibility for general job safety and for the safety of persons who are not employed by Consultant. Should Client, or third parties, be conducting activities on the Site, then each shall have responsibility for their own safety and compliance with applicable safety requirements.
11. **SAMPLES:** Unless otherwise requested, test specimens or samples will be disposed of immediately upon completion of tests and analysis. Upon written request, Consultant will retain samples for an agreed to duration and for a mutually acceptable storage charge. In the event that samples contain or may contain hazardous materials, Consultant shall, after completion of testing and at Client's expense, return such samples to Client or make samples available for disposal by Client's agent. Client recognizes and agrees that Consultant is acting as a bailee and at no time assumes title to said samples.
12. **HAZARDOUS MATERIALS:** Nothing contained within this agreement shall be construed or interpreted as requiring Consultant to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants. Client assumes full responsibility for compliance with the provisions of RCRA and any other Federal or State statute or regulation governing the handling, treatment, storage and disposal of pollutants.
13. **CLIENT OBLIGATIONS:**
 - (a) Client warrants that all information provided to Consultant regarding the Project and Project location are complete and accurate to the best of Client's knowledge.
 - (b) Client agrees to furnish Consultant, its agents, employees, and subcontractors a right-of-entry and any authorizations needed for Consultant to enter onto the project site to perform the Services included in this Agreement.
 - (c) Client recognizes that the performance of the Services included in this Agreement may cause alteration or damage to the Site. Client acknowledges that some site disturbance is inherent in the work for which Consultant will not be responsible. Should Client not be owner of the property, then Client agrees to notify the owner of the aforementioned possibility of unavoidable alteration and damage and arrange for the repair of any alteration and damage.
 - (d) Client agrees to disclose the identity of all utilities serving the Project Site, the presence and accurate location of hidden or obscured man-made objects known to Client that may be in Consultant's work area and the nature and location of any known or suspected hazardous materials that may exist on the property.

(e) Our job site activities do not change any agreement between Client and any other party. Only Client has the right to reject or stop work of its contractors or agents. Our presence on site does not in any way guarantee the completion, quality or performance of the work by any other party retained by Client to provide field or construction/remediation services. We are not responsible for, and do not have control or charge of, the specific means, methods, techniques, sequences or procedures of construction or remediation selected by any contractor or agent of Client.

(f) Provide prompt written notice to CONSULTANT if CLIENT becomes aware of any fault or problem in the PROJECT, including any errors or omissions in CONSULTANT'S work.

14. **CERTIFICATIONS**: Client agrees not to require that Consultant execute any certification with regard to work performed, tested or observed under this Agreement unless: 1) Consultant believes that it has performed sufficient work to provide a sufficient basis to issue the certification; 2) Consultant believes that the work performed, tested or observed meets the criteria of the certification; and 3) Consultant has reviewed and approved in writing the exact form of such certification prior to execution of this Agreement. Any certification by Consultant is limited to an expression of professional opinion based upon the Services performed by the Consultant, and does not constitute a warranty or guarantee, either expressed or implied.
15. **FAILURE TO FOLLOW RECOMMENDATIONS**: The Client agrees that it would be unfair to hold the Consultant liable for problems that may occur if the Consultant's recommendations are not followed. Accordingly, the Client waives any claim against the Consultant, and agrees to indemnify, and hold harmless the Consultant from any claim or liability for injury or loss that results from failure to implement the Consultant's recommendations or from implementation of the Consultant's recommendations in a manner that is not in strict accordance with them.
16. **TERMINATION**:
For Convenience - Upon written notice, Client or Consultant may terminate the performance of any further Services included in this Agreement if the terminating party determines termination is in the terminating party's interest. Upon receipt of a termination notice by either party, Consultant shall stop work on all Services included in this Agreement and deliver any Instruments of Service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the dispatch or receipt of the termination notice. Upon Termination for Convenience, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
- For Cause - In the event of material breach of this Agreement, the party not breaching the Agreement may terminate it upon five (5) business days written notice delivered or mailed to the other party, which notice must identify the material breach. The Agreement may not be terminated for cause if the breaching party cures the breach within five (5) business days of receipt of the written notice. Upon Termination for Cause, Consultant shall stop work on all Services included in this Agreement and deliver any instruments of service complete at that time to Client and Client shall pay Consultant within thirty (30) days for all Services performed up to the termination. Upon Termination for Cause, Consultant and Client shall have no further rights or remedies other than those included in this paragraph.
17. **UNFORESEEN CONDITIONS OR OCCURRENCES**: If, during the performance of Services, any unforeseen hazardous substance, material, element or constituent or other unforeseen conditions or occurrences are encountered which, in Consultant's judgment, significantly affects or may affect the Services, the risk involved in providing the Services, or the recommended Scope of Services, Consultant will promptly notify Client. Subsequent to that notification, Consultant may: (a) If practicable, in Consultant's judgment and with approval of Client, complete the original Scope of Services in accordance with the procedures originally intended in the Proposal; (b) Agree with Client to modify the Scope of Services and the estimate of charges to include the previously unforeseen conditions or occurrences, such revision to be in writing and signed by the parties and incorporated into this Agreement; or (c) Terminate the Services effective on the date of notification pursuant to the terms of TERMINATION FOR CONVENIENCE. Client is responsible for reporting any releases of hazardous substances to appropriate government agencies as required by law. Client acknowledges that Consultant also may have reporting obligations under controlling law and regulations. Client waives any claim against Consultant and will indemnify and hold Consultant harmless from any claim, injury or loss arising from the discovery of unforeseen hazardous substances.
18. **FORCE MAJEURE**: Consultant shall not be deemed to be in default of this Agreement to the extent that any delay or failure in the performance of the Scope of Work results from any causes beyond its reasonable control.

For this purpose, such acts or events shall include, but are not limited to, storms, floods, unusually severe weather, epidemics, civil disturbances, war, riot, strikes, lockouts or other industrial disturbances, and the inability within reasonable diligence to supply personnel, equipment, information or material to the Project. In the event that such acts or events occur, it is agreed that Consultant shall attempt to overcome all difficulties arising and to resume as soon as reasonably possible the normal pursuit of the Services covered by this Agreement.

19. **INSURANCE:** Consultant shall maintain at its own expense, during the term of this Agreement, the following insurance: (1) Workers' Compensation providing statutory coverages required by the state where services are provided, (2) Employer's Liability with limits of \$1,000,000 each accident, (3) Commercial General Liability with limits of \$1,000,000 each occurrence / \$2,000,000 aggregate, (4) Commercial Automobile with limits of \$1,000,000 each accident, (5) Umbrella Excess Liability with limits of \$5,000,000 each occurrence and (6) Professional Liability with limits of \$5,000,000 each claim.
20. **INDEMNITY:** Client agrees to indemnify Consultant, its employees and subcontractors from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees), which Consultant, its employees and subcontractors may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Client's negligence or willful misconduct. Consultant agrees to indemnify Client from and against any and all losses, liabilities, and costs and expenses of every kind (including cost of defense, investigation, settlement, and reasonable attorney's fees) which Client may incur, become responsible for, or pay out as a result of bodily injuries (including death) to any person, damage to any property, or both, to the extent caused by Consultant's negligence or willful misconduct. Client and Consultant shall, in the event of liability arising out of their joint negligence or willful misconduct indemnify each other in proportion to their relative degree of fault. In the event that Client or Client's principal shall bring any suit, cause of action, claim or counterclaim against Consultant, the Client and the party initiating such action shall pay to Consultant the costs and expenses incurred by Consultant to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that Consultant shall prevail in such suit.
21. **DISPUTE RESOLUTION:** Consultant may, in Consultant's sole discretion, pursue collection of past due invoices by litigation in a court of competent jurisdiction. Other than Consultant's collection of past due invoices, if a dispute arises out of or relates to this contract, or the breach thereof, the parties will attempt to settle the matter through amicable discussion. If no agreement can be reached, the parties agree to use non-binding mediation before resorting to a judicial forum. The cost of a third party mediator will be shared equally by the parties. In the event of litigation, reasonable costs and attorneys' fees will be awarded to the prevailing party. All questions as to the interpretation or enforceability of this Agreement shall be governed in accordance with the laws of the state where the project is located. In the event of any litigation involving this Agreement or the performance by the parties thereto, such actions shall be brought in a court of competent jurisdiction in the state where the project is located. Notwithstanding the foregoing, Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services.
22. **ASSIGNMENT AND SUBCONTRACTS:** Neither party may assign this Agreement, in whole or in part, without the prior written consent of the other party, except for an assignment of proceeds for financing purposes. Consultant may subcontract for the Services of others without obtaining Client's consent if Consultant deems it necessary or desirable to have others perform Services.
23. **NO WAIVER:** No waiver by either party of any default by the other party in the performance of any provision of this Agreement shall operate as or be construed as a waiver of any future default, whether like or different in character.
24. **MISCELLANEOUS:** The validity, interpretation, and performance of this Agreement shall be governed by and construed in accordance with the laws of the state where project is located. This Agreement represents the entire understanding and agreement between the parties hereto relating to the Services and supersedes any and all prior negotiations, discussions, and Agreements, whether written or oral, between the parties regarding same. No amendment or modification to this Agreement or any waiver of any provisions hereof shall be effective unless in writing, signed by both Parties. If any part of this subcontract is found to be unenforceable, then the parties' intent is to have such part rewritten to attain as close as possible the original intent of the unenforceable provision.

25. **TIME BAR:** Notwithstanding any applicable state statute of repose or statute of limitation, the Parties agree that all legal actions by either party against the other concerning this Agreement or the work performed in relation to this Agreement, will become barred two (2) years from the time the party knew or should have known of the claim, or two (2) years after completion of Consultant's services, whichever occurs earlier.
26. **NO DISCRIMINATION:** To the extent applicable, this contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a) and the posting requirement under 29 CFR Part 471, appendix A to subpart A. These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability.

CONSULTANT HEREBY ADVISES CLIENT THAT ITS PERFORMANCE OF THIS AGREEMENT IS EXPRESSLY CONDITIONED ON CLIENT'S ASSENT TO THE TERMS AND CONDITIONS DETAILED HEREIN.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representative.

CLIENT: Bald Head Island Transportation Authority S&ME, Inc.

BY: Susan W. Rabon BY: [Signature]
(Signature) (Signature)

Susan W. Rabon / Chair Edmund Woloszyn, Jr. / Principal Scientist
(Print Name / Title) (Print Name / Title)

DATE: 12/19/2018 DATE: 12/21/18

PROPOSAL NUMBER: 43-1800971 (Rev 1)

Client's DIGITAL signature to be treated as original signature

AS-071
 Rev - 4-9-2017d

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act:

Finance Director: Debra M. Straub Date: 12-20-18

Claudia B Irvin

To: btsmith@triad.rr.com
Subject: RE: FW: Deep Point and Bald Head Island Phase I ESAs

From: btsmith@triad.rr.com [mailto:btsmith@triad.rr.com]
Sent: Monday, February 04, 2019 9:14 AM
To: Claudia B Irvin <Clrvin@smeinc.com>
Subject: Re: FW: Deep Point and Bald Head Island Phase I ESAs

Claudia: Sorry for the delay! I am in a spot without a printer! I will figure out how to get it printed and back to you, but, we don't know of anything significant that would be indicated in the survey! Thanks Brad

Sent from myMail for iOS

Friday, February 1, 2019, 12:25 PM -0500 from Claudia B Irvin <Clrvin@smeinc.com>:

2-1-2019

Brad –

I am working on completing these reports for you guys and noticed I did not get the User Questionnaires back when you signed the contracts. Can you please complete the attached questionnaires to the best of your knowledge for each of the sites (Deep Point Marina, Bald Head Island)?

Thanks,

Claudia B. Irvin

Environmental Professional



S&ME
3201 Spring Forest Road
Raleigh, NC 27616 [map](#)

O: 919.872.2660
M: 919.906.4867
www.smeinc.com

[LinkedIn](#) | [Twitter](#) | [Facebook](#)=

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From: Claudia B Irvin
Sent: Friday, January 25, 2019 10:49 PM
To: 'btsmith@triad.rr.com' <btsmith@triad.rr.com>
Subject: Deep Point and Bald Head Island Phase I ESAs

Brad –

I am working on completing these reports for you guys and noticed I did not get the User Questionnaires back when you signed the contracts. Can you please complete the attached questionnaires to the best of your knowledge for each of the sites (Deep Point Marina, Bald Head Island)?

Thanks,

Claudia B. Irvin

Environmental Professional



S&ME
3201 Spring Forest Road
Raleigh, NC 27616 [map](#)

O: 919.872.2660
M: 919.906.4867
www.smeinc.com

[LinkedIn](#) | [Twitter](#) | [Facebook](#)

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From: btsmith@triad.rr.com [<mailto:btsmith@triad.rr.com>]
Sent: Friday, January 04, 2019 1:41 PM
To: Claudia B Irvin <CIrvin@smeinc.com>
Subject: Re: RE: RE: BHITA Proposals

Will do! Brad

Sent from myMail for iOS

Friday, January 4, 2019, 1:17 PM -0500 from Claudia B Irvin <CIrvin@smeinc.com>:

Wednesday of next week is fine (January 9th). I can be there as early at 10 am. Let Chad / contact pick a time that works for them.

Claudia B. Irvin

Environmental Professional

Phase I Environmental Site Assessment
Deep Point Ferry Terminal
Southport, Brunswick County, North Carolina
S&ME Project No. 4305-19-003



Appendix VIII – Qualifications of Environmental Staff Professionals

**PROJECT ROLE**

Environmental Professional

LOCATION

Raleigh, NC

EDUCATION

- BS, Civil Engineering, 1989, Louisiana State University

YEARS OF EXPERIENCE

Joined S&ME in 2010 with over 12 years of environmental project experience and 5 years of civil site development project experience.

REGISTRATIONS

- Engineer In Training (EIT)
- NCCE Certified Stormwater BMP Inspection & Maintenance Professional, 2014 (#2226)
- OSHA 40-Hour Hazwoper Training and 8-Hour Annual Refresher

Claudia B. Irvin, EIT

Environmental Professional

Ms. Irvin is a Project Professional for S&ME's Raleigh Office. Ms. Irvin has over 20 years of experience in the fields of environmental consulting and civil site design, with particular focus on due diligence; compliance auditing; landfill operations; NPDES industrial discharge permitting and reporting; stormwater management services - SWPPP Plan development, monitoring, training, e-DMR reporting, and permitting; SPCC Plan Development and training; Phase I and II Environmental Site Assessments; and environmental compliance auditing.

Environmental Assessment Services for Numerous Commercial, Industrial and Undeveloped Sites North Carolina, South Carolina, Virginia

Staff Professional responsible for environmental evaluations for real estate transactions. Type of sites included undeveloped, proposed school sites, existing church facilities, vacant industrial automotive repair facilities, concrete batch plants, urban downtown areas, agricultural sites, proposed solar farms, recycling facilities, natural gas regulator sites, cellular tower sites, transfer stations, and proposed residential developments. Clients include Vantage South, Rush Enterprises, PSNC, WRS Realty, TT&E Iron & Metals, Verizon, Eagle Transport, Westinghouse Electric, Fleet Feet, Carolina Classic Manufacturing, Durham Housing Authority, Project tasks included regulatory file reviews, historical land use/ownership research, review and interpretation of historical aerial photographs, site reconnaissance, coordination of resulting soil and groundwater assessments and report preparation.

Environmental Compliance Inspections, Permitting, Planning and Inspections for Industrial and Commercial Facilities North Carolina

Staff Professional responsible for the preparation of Stormwater Pollution Prevention Plans; Spill Prevention Control and Countermeasures Plans; conducting required regular site inspections; preparation of monthly, quarterly, and annual monitoring reports; preparation of required inspection reports; preparation and the presentation of annual training, and permit submittals for industrial clients, such as Mallinckrodt LLC, a pharmaceutical manufacturer; TT&E Iron and Metals, a metal recycling facility; Superior Essex Communications, a communications cable manufacturer; CRTS Inc., a tractor trailer sales and service company; and, Dupont Teijin Films, a manufacturer of plastic products.

Edgecombe County Landfill Tarboro, North Carolina

Staff Professional responsible for the re-permitting of the Transfer Station, assisting in the re-permitting of the Construction and Demolition Landfill, including public notification activities, assisting with the management of the construction and coordination of the landfill gas to energy system, and the solid waste compliance activities at the facility.



PROJECT ROLE

Principal Scientist / Project Manager

LOCATION

Raleigh, NC

EDUCATION

- MS, Marine, Earth and Atmospheric Sciences, NC State University, 1990
- BS, Marine Biology, College of Charleston, 1985

YEARS OF EXPERIENCE

Joined S&ME in 1990 with one year of experience in analytical chemistry

REGISTRATIONS

Registered Environmental Manager (REM), National Registry of Environmental Professionals, # 7552

PROFESSIONAL MEMBERSHIPS

- National Registry of Environmental Professionals
- The Society of American Military Engineers
- NC Manufactures Alliance

Edmund Woloszyn, Jr.

Principal Scientist/Project Manager

Mr. Woloszyn is a Principal Scientist/Project Manager at S&ME's Raleigh, North Carolina location. He offers 28 years of experience in environmental science and project management, including soil and groundwater assessments under RCRA/CERCLA, compliance auditing, feasibility studies, corrective measures studies, solid waste management; soil, groundwater, surface water assessment, and stormwater management services. He is also versed in statistical analysis of environmental data.

Key Projects and Assignments

Environmental Policy Act Projects

Former Barbour Boat Works Site, a North Carolina 2011 ACEC Award Winning Project

New Bern, North Carolina | 1999-present

Mr. Woloszyn managed a team of professionals (engineers, geologists, and scientists) for a North Carolina Voluntary Remediation Program at the former Barbour Boat Works site located in New Bern, North Carolina for the North Carolina Department of Cultural Resources. Prior to the state committing funds for the redevelopment of the site as the North Carolina History Center, S&ME completed an Environmental Assessment under the State Environmental Policy Act (SEPA) where the signing agency was the North Carolina Department of Cultural Resources. A Finding of No Significant Impact (FONSI) was obtained for the project without comments from other federal or state agencies or from the public.

Responsible for regulatory negotiations with NCDENR, Army Corps of Engineers and CAMA officials, technical compliance with NCDENR remedial action guidelines, data analysis and reporting. He developed field work scope of services for assessing soil, groundwater, surface water and river sediments. Mr. Woloszyn managed and implemented corrective actions for soil and groundwater and completed a benthic invertebrate population study coupled with an ecological risk assessment. The findings of the population and ecological risk assessment provided evidence that remediation of the Trent River sediments was not required for the Former Barbour Boat Works site.

USS North Carolina Battleship Hull Repair Wilmington, North Carolina

Project manager for a multi-disciplinary team of technical expertise, including geotechnical engineering and subsurface exploration of the ship's mooring slip, wetland delineation, seasonal high water determination, Coastal Zone Management's CAMA Major Permit, an Environmental Assessment under SEPA, materials testing for welding quality control, and a hazardous materials assessment for the presence of asbestos and lead-paint.



DOT Projects

CSX Rail Corridor, North Carolina

S&ME performed limited soil sampling along the CSX rail corridor from milepost 105 (west of Vaughn) eastward to milepost 97.8 (into Littleton, Halifax County). This is a length of approximately 38,000 feet. With 135 sample results, an analysis of variance (ANOVA) was used to evaluate if a significant difference in background concentrations in soil for lead and arsenic to that of arsenic and lead concentrations along the railroad corridor. Evidence of a significant difference at the 95% confidence level was found where lead and arsenic concentrations in the rail corridor were higher than background soil concentrations. NCDOT used these data in consideration of purchasing the rail corridor from CSX as part of their due diligence process.

Federally Funded Projects

U.S. Navy's Marine Corps Base Camp Lejeune

Jacksonville, North Carolina | 2005-2008

S&ME's program manager of a NAVFAC Indefinite Quantity Contract to provide environmental, geotechnical and construction materials services including: Task Order 1 - Waste Water Sludge Sampling; Task Order 2 -New River Estuarine Wetlands Restoration; Task Order 3 – Toxic Pollutant Modeling and Permitting for the entire base; Task Order 4 – Archeological Survey of Air Landing Field; Task Order 5 – Air permit application of the development of the U.S. Marine Corps Forces Special Operations Command (MARSOC) complex; and Task Order 6 – Soil permeability testing for Stormwater Best Management Practices assessment.

State Funded Projects

North Carolina Superfund Section

North Carolina | 2000-2003, 2010-2016

Program Manager of a \$2.1 million, three and half year contract with the North Carolina Superfund Section to evaluate 306 old or abandoned landfill sites located in eastern North Carolina. Develops protocols for field assessment, public record review, data management and reporting. Coordinates field studies and reporting schedules and budgets. Develops the scope of services for Phase II ESA studies on selected sites. Provides consulting services for Priority Sites for the Inactive Hazardous Site.

From 2010-2016, Mr. Woloszyn managed 84 separate projects ranging from soil assessment / soil remediation projects, groundwater assessments, and a stream restoration at an old battery casing disposal site (lead-contaminated soil, groundwater and surface water). Project manager for the Stony Hill Road site Soil Vapor Assessment and Vapor Intrusion Evaluation. Mr. Woloszyn also developed plans and specifications, followed by contract management of remediation subcontractors for soil removal of lead-contaminated site and sites with volatile and semi-volatile organic chemical contamination.



North Carolina Department of Cultural Resources

New Bern, North Carolina | 1999-present

Manages a multidisciplinary team of professionals (engineers, geologists, scientists) for a North Carolina Voluntary Remediation Program at the former Barbour Boat Works site located in New Bern, North Carolina for the North Carolina Department of Cultural Resources. This State Superfund Site is regulated and overseen by the North Carolina Superfund Section. Responsible for regulatory negotiations with NCDENR, Army Corps of Engineers and CAMA officials, technical compliance with NCDENR remedial action guidelines, data analysis and reporting. Develops field work scope of services for assessing soil, groundwater, surface water and river sediments. Manages and implements corrective actions for soil and groundwater.

East Carolina University

Greenville, North Carolina | 2010-present

Manages and provides quality assurance for the development of seven East Carolina University's Dental School Learning Centers located in rural areas throughout North Carolina. Services provided include environmental due diligence, including All Appropriate Inquiry, soil and groundwater assessments, soil vapor assessments, soil vapor intrusion mitigation design, and wetland delineation. Mr. Woloszyn also oversees construction QA/QC for the installation of a vapor barrier/vent system, and provides project management of a team of engineers for geotechnical evaluations, special inspections, and construction and materials testing, including non-destructive testing (NDT).

Other Environmental Experience (PHASE I/II ETC)

K-12 Schools throughout North Carolina

Multiple Sites, North Carolina | 1998-present

Performs Indoor Air Quality studies at several school buildings (sick building syndrome) identifying possible health-related problems. These studies include bioaerosol sampling (molds and bacteria), bulk sampling of molds, respirable particulates, volatile organic compound analysis, HV/AC inspections, client interviews, and general office environmental condition reviews.

SPCC Plans and NPDES Storm Water Compliance Programs Multiple Sites,

North Carolina | 2005-present

Develops SPCC plans under the supervision of Professional Engineers; develops NPDES storm water pollution programs for industrial facilities in North Carolina, including: Superior Essex Communications, LLC, Tarboro, NC; Steel Technologies, Inc., Clinton, NC; DuPont Teijin Films, Fayetteville, NC and DAK Americas, LLC, Fayetteville, NC.

CF Industries Former Ammonia-Nitrate Plant

Cofield, North Carolina | 1994-present

Project Manager for an EPA Superfund Expanded Site Investigation and Remedial Action Plan for a 157-acre former fertilizer production facility which is a North Carolina Listed Priority Site (formerly a EPA Region IV CERCLIS site). Mr. Woloszyn



also assisted in negotiations for a Special Order on Consent issued by the North Carolina Environmental Management Commission. Managed the development of plans and specifications for a 30 million-gallon per year groundwater recovery system for the purpose of land applying nitrogen-enriched groundwater as fertilizer to local farmers. Mr. Woloszyn continues to oversee and manage an on-going groundwater remediation system where recovered nitrogen-contaminated groundwater is land applied to agricultural fields as a Class A fertilizer.

DuPont Teijin Films

Fayetteville, North Carolina | 1994-present

Project Manager for the bio-remediation of Dowtherm A® (phenyl ether and biphenyl) in groundwater at an industrial manufacturing company in Fayetteville, North Carolina. This project included a pilot study that consisted of aerobic and anaerobic degradation mesocosm study of Dowtherm A® using indigenous microbes collected from the site and a soil-vapor extraction/air sparge pilot study at the site. Conducted a toxicological assessment of biphenyl and chloroethane to establish an interim maximum allowable concentration standard for the North Carolina Ground Water Quality Standard. The Division of Environmental Management accepted the proposed standards for biphenyl and chloroethane of 0.350 mg/L and 2.80 mg/L, respectively. These newly established ground water standards assisted a large industrial client in a groundwater remediation project through significant economic benefits.

Managed an engineering team on the design of a biosparge remediation system that was based on the results of the pilot study. Managed the installation of the biosparge remediation system and maintained the system on a monthly basis. This system has prevented the migration of the dissolved phase of Dowtherm A® constituents from leaving the property.

Municipal Landfills

Multiple Locations, North Carolina | 1996-present

Conducts statistical analyses of groundwater quality data of municipal landfills in North Carolina and South Carolina. Responsibilities include database management and parametric and non-parametric statistical procedures following EPA's Statistical Analyses of Ground-Water Monitoring Data at RCRA Facilities, 1989 and 1992 Addendum.

Project Manager for conducting air toxics emission inventories for hospitals, schools, textile and commercial facilities in North Carolina. Site visits were conducted to identify emission points and toxic chemicals that were being emitted, and to calculate the annual emission rates (1993 to 1995).

Develops NPDES Stormwater permits for industrial and textile clients throughout North Carolina. Designs and implements training courses for staff on NPDES stormwater sampling protocol and program management. Identifies necessary parameters required for individual NPDES stormwater permit applications (1994 to present).



Continuing Education

- Topics in Advanced Risk Assessment: Environmental Educational Enterprises.
- Air Quality course for the Clean Air Act Amendments of 1990:
- North Carolina State University Industrial Extension Service, College of Engineering.
- RCRA Regulations Course, Government Institutes, Inc.
- CERCLA/Superfund Laws and Regulations Course, Government Institutes, Inc.
- Incremental Sampling Methodology and Design: Interstate Technology Regulatory Council.
- Hazardous Waste Operations and Emergency Response, Health and Safety Training. 40 Hour Course of Introduction. Certificate #9003129.
- Westinghouse Environmental and Geotechnical Services, Inc. Hazardous Waste Operations and Emergency Response, Health and Safety Training. Annual Eight Hour Instruction Update, every year of employment.
- Hazardous Waste Operations and Emergency Response, 8 hour Supervisor (Current).