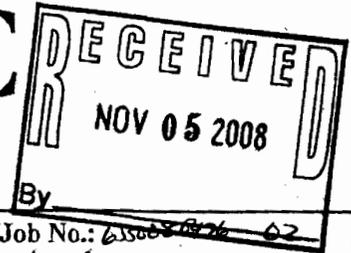




# MACTEC

## LETTER OF TRANSMITTAL



To:	From: MACTEC Engineering and Consulting, Inc. 5710 Oleander Drive Suite 110 Wilmington, NC 28403	Project/Job No.: <u>6300-026-02</u> Date: <u>10/04/08</u>
<u>NC DENR - UST Section</u> <u>127 Cardinal Dr. East</u> <u>Wilmington, NC 28405</u>	Phone: (910) 452-1185 Fax: (910) 791-1338	Project:  Description:
Attn: <u>Big Benz</u>	Attn: <u>Debbie Gresser</u>	

COPIES	DOC. NO.	DATE	DESCRIPTION
<u>1</u>		<u>10/31/08</u>	<u>LSA Report RSC 1020 North First Street</u>

### THESE ARE TRANSMITTED AS CHECKED BELOW:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> For Approval                     | <input type="checkbox"/> Approved as Submitted    | <input type="checkbox"/> Resubmit _____ Copies for Approval   |
| <input type="checkbox"/> For Your Use                     | <input type="checkbox"/> Approved as Noted        | <input type="checkbox"/> Submit _____ Copies for Distribution |
| <input type="checkbox"/> As Requested                     | <input type="checkbox"/> Returned for Corrections | <input type="checkbox"/> Return _____ Corrected Prints        |
| <input type="checkbox"/> For Review and Comment           | Other _____                                       |   |
| <input type="checkbox"/> Prints Returned After Loan to us | <input type="checkbox"/> For Bids Due: _____      |   |

### REMARKS:

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Copies To: File Signed: Debbie Gresser

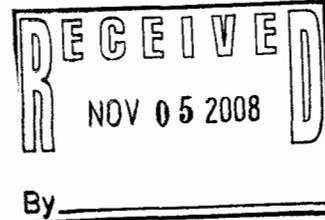
IF ENCLOSURES RECEIVED ARE NOT AS LISTED ABOVE, PLEASE NOTIFY US AT ONCE.



engineering and constructing a better tomorrow

October 31, 2008

James McFarland  
East Coast Development & Brokerage, Inc.  
P.O. Box 2277  
Wilmington, North Carolina 28402



**Subject: Limited Site Assessment Report  
RSC 1020 North Front Street  
Wilmington, North Carolina 28402  
MACTEC Project No. 6550-08-0476-02**

Dear Mr. McFarland:

MACTEC Engineering and Consulting, Inc. (MACTEC) has completed the Limited Site Assessment for the above-referenced Site, as requested. The results confirm a petroleum release has occurred at the site. Based on the data collected, the following document was prepared in accordance with the North Carolina Department of Environment and Natural Resources (NCDENR) Division of Waste Management Underground Storage Tank Section regulatory requirements under Title 15A of the North Carolina Administrative Code (NCAC), Subchapter 2N and Subchapter 2L.

This report is intended for the use of East Coast Development & Brokerage, Inc. and its correspondence with the NCDENR.

We appreciate your selection of MACTEC for this project and look forward to assisting you further on this and other projects. If you have any questions, please do not hesitate to contact us.

Sincerely,

**MACTEC Engineering and Consulting, Inc.**

  
Arnee E. Grosser  
Staff II Geologist

  
J. Chris Pruneau, L.G.  
Principal Hydrogeologist

## Limited Site Assessment Report

### A. Site Information

#### 1. Site Identification

- ☐ Date of Report: 10/31/08
- ☐ Facility I.D.: Prime Equipment Company UST Incident Number (if known): 11710
- ☐ Site Name: RSC
- ☐ Site Street Address: 1020 North Front Street
- ☐ City/Town: Wilmington Zip Code: 28402 County: New Hanover County
- ☐ Description of Geographical Data Point (e.g., diesel fill port): Former UST pit adjacent to vent pipe
- ☐ Location Method (GPS, topographical map, other): Topographical map (See Figure 1)
- ☐ Latitude (decimal degrees): 34.2477 Longitude: -77.9482

#### 2. Information about Contacts Associated with the Leaking UST System (Addresses must include street, city, state, zip code and mailing address, if different).

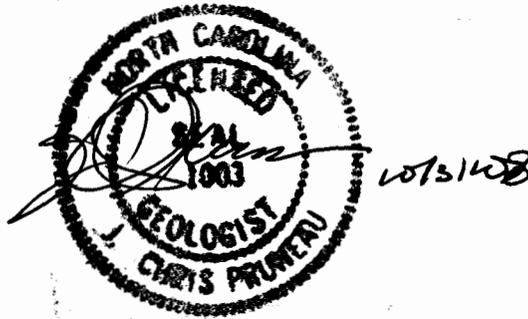
- ☐ UST Owner: Mercer Taylor, LLC/Angus Mercer  
Address: 4500 Carmel Estates Road, Charlotte, NC 28226 Tel.: 704-542-1422
- ☐ UST Operator: RSC  
Address: 120 North Front Street Tel: 910-343-0031
- ☐ Property Owner: Movies One, LLC  
Address: P.O. Box 2277 Tel: 910-521-8770
- ☐ Property Occupant: RSC  
Address: 120 North Front Street Tel: 910-343-0031
- ☐ Consultant/Contractor: MACTEC Engineering and Consulting, Inc. (MACTEC)  
Address: 5710 Oleander Drive, Suite 110, Wilmington, NC Tel: 910-452-1185
- ☐ Analytical Laboratory: SGS Environmental Services, Inc. State Certification No.: 481  
Address: 5500 Business Drive, Wilmington, NC Tel: 910-3501903

#### 3. Information about Release

- ☐ Date Discovered: 3/24/08
- ☐ Estimated Quantity of Release: Unknown: Prior to 1990
- ☐ Cause of Release: Unknown
- ☐ Source of Release (Dispenser/Piping/UST): Unknown
- ☐ Sizes and contents of UST system(s) from which the release occurred):  
Recognized Environmental conditions were identified during a Phase I ESA. A former waste oil UST was identified. Mr. Richard Field, a 20 year employee of RSC stated the former waste oil UST was removed during approximately the same time as the three documented UST's that were removed in December 1993. A file review at NCDENR revealed there are no regulatory records of the waste oil UST removal. The location of the former waste oil UST is adjacent to a former wash area on the northeastern end of the building. The date and amount of the release is unknown. No free product has been observed.

#### 4. Certification (The title page must display the seal and signature of the certifying P.E. or L.G. and the name and certification number of the company or corporation [See 15A NCAC 2L .0103(e).])

I, J. Chris Pruner, a Professional Engineer/Licensed Geologist (circle one) for (firm or company of employment), do certify that the information contained in this report is correct and accurate to the best of my knowledge.



(Please Affix Seal and Signature)

MACTEC Engineering and Consulting, Inc. is licensed to practice geology/engineering (circle one or both) in North Carolina. The certification number of the company or corporation is 2-247.

### B. Site History and Characterization

Present information relevant to site history and characterization, updating information provided in the 20-Day Report, the Initial Abatement Action Report, and any FP Recovery Reports, using the following outline:

1. Provide UST owner and operator information. See Table B-2.
2. Provide UST information (inclusive of all USTs, currently and historically in place at facility). For each UST, provide the following information in table form. See Table B-1.
3. Provide non-UST information. Not Applicable.
4. Provide a comprehensive description of the release, including date discovered, cause and source (including tank identification number and contents), and the relationship of historical UST releases, non-UST releases, and off-site releases (indicate incident number) to contamination from current release.  
See section A, item 3.
5. Provide a brief description of site characteristics (including status of facility (active or inactive), land use of site and surrounding area, water supply, topography, vegetation, surface water, wells, buildings, surface cover, soil type, depth to and nature of bedrock, depth to groundwater, direction of groundwater flow, etc.)  
The facility is currently a RSC Equipment Rental business and consists of a maintenance/warehouse building and a small office building. The three USTs were removed from the site in December 1993 and currently no other USTs are present onsite. The surrounding area consists primarily of industrial, commercial, and some residential structures. Water supply for the site and the surrounding area is provided by the Cape Fear Public Utilities Authority (CFPUA) and derives the water source from the nearby, up-gradient Cape Fear River at the Sweeney Water Treatment Plant. Topographically the area is mainly flat with low relief. Vegetation is sparse at the site and surrounding properties and consists mainly of grasses, shrubs, and pine trees. The nearest surface water body is the Cape Fear River located approximately 1000-ft to the west of the site. Surface cover is dominantly asphalt or concrete with some grassy areas. Bedrock was not encountered during site investigation activities but typically consists of limestones and sands of the Peedee and Castle Hayne Formations that begin at depths roughly between 30 to 60 feet below ground surface in the vicinity of the site. Depth to groundwater ranges from 14 to 16 feet below ground surface and generally flows to the west toward the Cape Fear River.
6. Summarize initial abatement actions, assessment activities, and corrective actions performed to date and list all reports previously submitted.  
MACTEC performed a "Report of Phase I Environmental Site Assessment" (Phase I) on the above referenced property dated May 26, 2006. As a result of our findings during the Phase I MACTEC performed a file review at the North Carolina Department of Environment and Natural Resources (NCDENR) office located in Wilmington, North Carolina and soil sampling in the areas of concern at the RSC facility. MACTEC issued a "Report of File Review and Soil Sampling", dated June 27, 2006.

A limited Phase II Site Assessment was requested by the landowner in March 2008. MACTEC collected soil samples and installed three temporary monitoring wells at the site. TWM-1 was installed in the area of the former waste oil UST, TMW-2 was installed in the vicinity of a former wash area, which is adjacent to the former waste oil UST. TMW-3 was installed down gradient of the location to the former diesel UST's, which were removed in 1993. Soil sample results for total

petroleum hydrocarbons were found to equal or exceed the UST action level of 10 mg/kg. Low concentrations of perchloroethylene (PCE) were detected in groundwater at the site. The results of that work are detailed in the "Initial Abatement Measures Report" dated April 7, 2008, which was submitted to NCDENR for review and comment.

Later in May of 2008 MACTEC installed three permanent monitoring wells (MW-1, 2, and 3) at the RSC facility and submitted the findings in a "Groundwater Assessment Addendum Report" dated June 23, 2008. Groundwater samples were collected from these permanent wells for analysis of PCE. Monitoring well MW-1 was installed on the eastern-most side of the property in an up gradient location. Monitoring wells MW-2 and MW-3 were both installed downgradient of MW-1. PCE was detected in all three samples at concentrations above the NCAC 2L Standard of 0.7 µg/L.

### C. Risk Characterization

Submit the following questionnaire in its entirety. Answer all questions completely. Attach additional pages as needed to fully explain answers. Base answers/explanations on information obtained (or updated from preceding reports) during the current investigation. *Note: Source area means point of release from a UST system.*

### Limited Site Assessment Risk Classification and Land Use Form

#### Part I - Groundwater/Surface Water/Vapor Impacts

##### High Risk

1. Has the release contaminated any water supply well including any well used for non-drinking purposes?  
YES/NO = NO
2. Is a water supply well used for drinking water located within 1,000 feet of the source area of the release?  
YES/NO = NO
3. Is a water supply well not used for drinking water (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release?  
YES/NO = NO
4. Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than the groundwater)?  
YES/NO = NO
5. Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment?  
If yes, describe. YES/NO = NO
6. Are there any other factors that would cause the release to pose an imminent danger to public health, public safety, or the environment?  
If yes, describe. YES/NO = NO

##### Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the release?  
If YES, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?  
YES/NO = NO  
YES/NO = NA
8. Is the source area of the release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)?  
If yes, describe. YES/NO = NO
9. Is the release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?  
If YES, is the source area of the release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water?  
If YES, describe. YES/NO = YES  
YES/NO = NO
10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels (see Table 9) established by the Department?  
YES/NO = NO

## Part II - Land Use

### Property Containing Source Area of Release

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)?  
YES/NO = NO
2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly?  
YES/NO = NO
3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped? YES/NO = YES  
Describe.  
**The property contains a commercial rental equipment business.**
4. Do children visit the property? YES/NO = YES  
Explain.  
**Only accompanied by parents for purposes of renting equipment.**  
Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)? YES/NO = YES  
Explain.  
**The property has a chain link fence surrounding it.**
5. Do pavement, buildings, or other structures cap the contaminated soil? YES/NO = YES  
Describe.  
**Asphalt and concrete cap the entire site.**  
If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future?  
**Continued commercial use of the property would likely require the area to maintain asphalt, concrete or other building structures to cover the area. A deed restriction could also be useful with limiting subsurface site activities.**
6. What is the zoning status of the property? **CBD - Central Business District**
7. Is the use of the property likely to change in the next 20 years? YES/NO = NO  
Explain.  
**Considering the site location and current zoned use, the property will likely be used for commercial purposes for the next 20 years.**

### Property Surrounding Source Area of Release

The questions below pertain to the area within 1,500 feet of the source area of the release (excludes property containing source area of the release):

1. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)?  
**The nearest residential structures are located approximately 650 feet east of the Site.**
2. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly?  
**New Hanover Community Health Center is located approximately 500 feet southwest of the Site.**
3. What is the zoning status of properties in the surrounding area?  
**Central Business District (CBD); Light Industrial (LM); Multi Family (MF); Community Business (CB); and Residential District (R-3).**
4. Briefly characterize the use and activities of the land in the surrounding area.  
**The surrounding area consists primarily of industrial, commercial, and some residential structures.**

## D. Receptor Information

Determine and describe all potential receptors, including those in the categories listed below. Compile this information in a table entitled Public and Private Water Supply Well and Other Receptor Information (Complete Table B-5 from the *Guidelines*, Appendix B.) in which an identification code is assigned to each potential receptor. Indicate the locations of each potential receptor, using the identification code, on a potential receptor map. Use information from all available sources and from site investigations.

1. Water Supply Wells

Determine and describe the location, use, and ownership of public and private water supply wells in the area within 1,500 feet of the source of the release. Compile this information in Table B-5 and indicate the well locations on the potential receptor map. Note whether well users are also served by a municipal water supply. Refer to the instructions for a water supply well survey in Section 2.3 of the *Guidelines*. **See Table B-5.**

2. Public Water Supplies

Determine the existence and availability of public water supplies within 1,500 feet of the source area of the release. Compile this information in Table B-5 and indicate the locations of the nearest public water lines and the source(s) of the public water supply on the potential receptor map. **See Table B-5.**

3. Surface Water

Identify all surface water bodies (e.g., ditch, pond, stream, lake, river) located within 1,500 feet of the source area of the release and indicate distance from source of release in Table B-5 and indicate locations on the potential receptor map. **See Table B-5.**

4. Wellhead Protection Areas

Indicate whether or not the UST release source area is located within an approved wellhead protection area. Refer to Section 2.3 of the *Guidelines* for instructions on how to access the list of currently approved wellhead protection plans and generate a map of UST and wellhead protection area locations. List any identified wellhead protection area in Table B-5 by PWS ID number and PWS system name and show the wellhead protection area on the potential receptor map. To document performance of the wellhead protection area investigation append to the potential receptor map a copy of the map generated using ArcIMS Viewer to show 1) the UST location, 2) the wellhead protection area, and 3) community wells.

**No well head protection areas exist within at 1500-ft radius of the site.**

5. Deep Aquifers in the Coastal Plain Physiographic Region

Indicate if the source area of the release is located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer and indicate if that aquifer is being used or may be used as a source of drinking water, referring to Section 2.3 of the *Guidelines*. Based on a review of scientific literature on the regional hydrogeology and well construction records and lithologic logs for deeper wells in the area, identify and describe the deep aquifers underlying the release. Include information on the depth of the deep aquifer in relation to the surficial saturated zone, the lithology and hydraulic conductivity of the strata between the surficial aquifer and the deeper aquifer, and the difference in groundwater head between the surficial aquifer and the deeper aquifer. Discuss the local and regional usage of the deep aquifer and the draw down from major pumping influences. Also, specify the distance from the source area of the release to major discharge areas, such as streams and rivers. Cite all sources and references used for this discussion.

*NOTE: This requirement only pertains to releases in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985. This map can be obtained for a fee from the North Carolina Geologic Survey, 1612 MSC, Raleigh, NC 27699-1612.*

**Based on the literature from Winner & Coble 1996, three freshwater aquifers are present beneath the site and surrounding area, which include the Surficial Aquifer, the Castle Hayne Aquifer and the PeeDee Aquifer. The underlying Black Creek and Cape Fear Aquifers are considered to be saline and not usable for potable purposes. The Surficial Aquifer is found from 0 to approx. 40 feet below grade and generally consists of sands, clays and silts. The Castle Hayne Aquifer ranges from 40 to 80 feet in thickness, consists primarily of fossiliferous limestone and has an overlying confining unit approx 10 feet thick. The PeeDee Aquifer is typically several hundred feet thick, consists primarily of sands, marine clays and limestone and has an overlying confining unit approximately 20 to 40 feet thick. Locally no drinking water or supply wells within 1500-ft of the site exist; and, impact to deep aquifers related to the release is anticipated to be minimal to non-existent. The nearest major discharge area to the site is the Cape Fear River located approximately 1000-ft to the west.**

6. Subsurface Structures

Describe subsurface features, including sewers, utility lines, conduits, basements, vaults, septic tanks, drainfields, etc., referring to Section 2.3 of the *Guidelines*. Compile this information in Table B-5 and indicate the locations on the potential receptor map. Discuss the risk of explosion due to the accumulation of vapors in confined space and the threat to public health, public safety or the environment posed by vapors in the subsurface features.

**Subsurface Structures are shown on Figure 2.**

E. Land Use

1. Property Owners and Occupants

Determine the names and addresses of property owners and occupants within or contiguous to the area containing contamination and all property owners and occupants within or contiguous to the area where the

contamination is expected to migrate. Compile this information in Table B-6 from the *Guidelines*, Appendix B, and indicate the property locations on the land use map. See Table B-6.

2. **Sensitive Land Use Features**

List features sensitive to impact from the release (schools, daycare centers, nursing homes, hospitals, playgrounds, parks and recreation areas, churches, camps and other places of assembly) and show the zoning status of the area within 1500' of the source of the release. Compile this information in Table B-10 from the *Guidelines*, Appendix B, and indicate the feature locations on the land use map. See Table B-10.

## F. Site Geology and Hydrogeology

Describe the soil and geology encountered at the site. Discuss the effects of soil and geological characteristics on the migration and attenuation of contaminants. Include information obtained during assessment activities (e.g., lithologic descriptions made during drilling, probe surveys, tank closure, etc). If a Phase II investigation is required include a discussion of groundwater flow direction and hydraulic gradient (vertical and horizontal).

The area is underlain by 30 to 60 feet of unconsolidated sands and silty sands. United States Department of Agriculture New Hanover County Soil Survey identified the soils at the site as Urban Land. Urban Land consists of areas where the original soil has been cut, filled, graded or paved so that the most soil properties have been altered to the extent that a soil series is not recognizable. However, the site area has generally been classified as Kureb-Baymeade-Rimini Association. These soils are excessively drained and well drained soils that have a sand and fine sand surface layer and a sand, fine sandy loam and loamy fine sand subsoil or underlying layer.

Soils encountered during investigation activities consisted of tan to orange to brown, fine to medium grained sands. Based on the groundwater data collected during assessment activities groundwater flow is generally to the west. No vertical gradients were obtained.

## G. Sampling Results

### Phase I Investigation

*Responsible parties must perform a Phase I investigation for all releases.*

A Phase I investigation includes the installation of one monitoring well in the source area of a release. Soil samples are to be collected every five feet in the unsaturated zone and should be analyzed in accordance with the methods specified in Table 5 of the *Guidelines*, Analytical Methods for Petroleum Contaminated Soil. If the water table is encountered at 25 feet or greater from the land surface, samples for laboratory analysis should be collected every 10 feet in the unsaturated zone.

In June of 2006, MACTEC collected soil samples from the general area of the undocumented former waste oil UST and the former wash area near the storm drain on the northeast corner of the building. The soil sample data indicated that a release has occurred in this area.

A limited Phase II Site Assessment was requested by the landowner in March 2008. MACTEC collected soil samples and installed three temporary monitoring wells at the site. TWM-1 was installed in the area of the former waste oil UST, TMW-2 was installed in the vicinity of a former wash area, which is adjacent to the former waste oil UST. TMW-3 was installed down gradient of the location to the former diesel UST's, which were removed in 1993. Soil sample results for total petroleum hydrocarbons were found to equal or exceed the UST action level of 10 mg/kg. Low concentrations of perchloroethylene (PCE) were detected in the groundwater at the site. The results from this sampling are detailed in the Initial Abatement Measures Report dated April 7, 2008, which was submitted to NCDENR for review and comment.

Later in May of 2008 MACTEC installed three permanent monitoring wells (MW-1, 2, and 3) at the RSC facility and submitted the findings in an Addendum Report dated June 23, 2008. Groundwater samples were collected from these permanent wells for analysis of PCE. Monitoring well MW-1 was installed on the eastern-most side of the property in an up gradient location. Monitoring wells MW-2 and MW-3 were both installed downgradient of MW-1. PCE was detected in all three samples at concentrations above the NCAC 2L Standard of 0.7 ug/L.

1. Describe all soil sampling performed during the installation of the source well(s) as follows:
  - ☐ Use tables and maps to illustrate;
  - ☐ Indicate location of soil samples: from excavation, borehole, geoprobe, etc.;
  - See Figure 3 for sample locations. In June 2006, soil samples were collected continuously using a pre-cleaned stainless steel hand auger. In March and May 2008, soil samples were collected continuously using a Geoprobe®.**
  - ☐ Complete Table B-3 from the *Guidelines*, Appendix B; and
  - ☐ If multiple source areas have been identified, clearly distinguish the data collected from each source area in the table.
2. Describe any groundwater sampling from the source area monitoring well(s), as follows:
  - ☐ Use tables and maps to illustrate;
  - ☐ Indicate location of groundwater samples/monitoring wells/water supply wells;
  - See Figure 4 for sample locations.**
  - ☐ Complete and attach Table B-4 from the *Guidelines*, Appendix B; and
  - ☐ If multiple source areas have been identified, clearly distinguish the data collected from each source area in the table.
  - Two onsite source areas were identified during site assessment activities: the area of the former waste oil UST and the former wash area. An additional offsite source of PCE contamination is suspected due to the presence of this contaminant in up-gradient wells (See Table B-4).**

*Note: If free product is present, do not sample the monitoring well. Report the estimated thickness, type, and quantity of free product present.*
3. Provide monitoring well construction information (Complete and attach Table B-7 from the *Guidelines*, Appendix B.).  
**See Table B-7.**

#### **Phase II Investigation (if required)**

*A Phase II investigation should only be conducted if the release is from a high risk commercial UST and the levels of groundwater contamination detected in the source area monitoring well exceed the groundwater standards or interim standards by a factor of 10.*

**A Phase II investigation was not conducted following the previously mentioned assessment activities.**

The Phase II investigation includes the installation of three additional monitoring wells to be installed as follows: one upgradient of the source of contamination and two downgradient of the source of contamination of the source but within the area of contamination. The upgradient and downgradient wells must be placed so that groundwater flow direction can be determined.

1. Describe any groundwater sampling from the monitoring well(s), as follows:
  - ☐ Use tables and maps to illustrate;
  - ☐ Indicate location of groundwater samples/monitoring wells/water supply wells;
  - ☐ Complete and attach Table B-4 from the *Guidelines*, Appendix B; and
  - ☐ If multiple source areas have been identified, clearly distinguish the data collected from each source area in the table.

*Note: If free product is present, do not sample the monitoring well. Report the estimated thickness, type, and quantity of free product present.*
2. Provide monitoring well construction information (Complete and attach Table B-7 from the *Guidelines*, Appendix B.).

## **H. Conclusions and Recommendations**

Discuss the risk criteria that apply to the release and identify any other site-specific factors related to the release that may pose a risk to human health and the environment. Also, discuss any site-specific conditions or possible actions that could result in lowering the level of risk posed by the release.

#### **Conclusions:**

- **NCDENR responded to the Initial Abatement Measures Report in a letter dated September 2, 2008. The letter requests a Limited Site Assessment (LSA) Report be prepared and submitted per Title 15ANCAC 2L .0405. Based on the requirements of Underground Storage Tank (UST) Section Guidelines for Assessment and Corrective Action the LSA must be submitted to North Carolina Department of the Environment and Natural Resources (NCDENR) by December 31, 2008**

- Based on the laboratory results from the May 2008 sampling and PCE in the up gradient well (MW-1), MACTEC is of the opinion that the PCE in groundwater is migrating onto the RSC property from an unknown up gradient source. The RSC property has been located in a light industrial zone for numerous years and contamination from an up gradient source is likely. Given PCE in the up gradient well (MW-1), and uniform PCE throughout the site, it is unlikely that the contamination is coming from an onsite source.
- No free product was encountered. The site and surrounding area is provided municipal drinking water. The site is zoned commercial and will likely be used for commercial purposes in the future. Properties immediately adjacent to the site are either commercial or include Front Street North and 3<sup>rd</sup> Street North, which are at least four lanes wide. Dermal exposure to soil and or groundwater is very limited; however, could potentially occur during future excavation activities from construction or redevelopment.
- No water supply wells are located within a 1500-ft radius of the site. Public water from the Cape Fear River is supplied by the Cape Fear Public Utility Authority.
- Aside from the Cape Fear River located approximately 1000-ft to the west of the site no other wetlands or surface water bodies exist in the vicinity of the site.
- Based on information provided by the NCDENR UST Division, we understand that excavation and proper disposal of impacted soils related to the former USTs will be sufficient to warrant case closure with respect to the historic UST release.

#### Recommendations:

- Excavation of impacted soils where feasible due to the location of onsite buildings. Excavation should occur in the vicinity of the former UST basin adjacent to the buildings with special care to avoid undermining structural integrity. Excavation is planned to the water table with collection of side wall confirmation soil samples for TPH-DRO and TPH-GRO per guidance from the NCDENR UST Division.
- Upon removal of all feasible soils a summary report and request for No Further Action will be submitted to the NCDENR UST Division.

#### I. Free Product Investigation and Recovery

Discuss the status of free product at the site: No free product was encountered.

#### J. Figures

Provide the following:

1. A topographic map illustrating the area within 1500-foot radius of the UST system, showing:
  - ☐ Topographic contours;
  - ☐ Site location;
  - ☐ Buildings;
  - ☐ Adjacent streets, roads, highways (identified by street names and numbers);
  - ☐ Surface water bodies;
  - ☐ Groundwater flow direction (if determined); and
  - ☐ North arrow and scale.
2. A site map\* and cross-sections illustrating the UST system(s), drawn to scale, showing:
  - ☐ Buildings and property boundaries;
  - ☐ Underground utilities, such as sewer lines and other conduits; basements; and vaults;
  - ☐ Water supply wells, surface water bodies
  - ☐ Location and orientation of current and former UST(s), pumps, product lines, sumps, etc.;
  - ☐ Length, diameter and volume of current and former UST(s);
  - ☐ Type of material(s) stored in UST(s) (currently and formerly);
  - ☐ Final limits of each stage of excavation for each excavation on site; and
  - ☐ North arrow and scale.

3. Map(s)\* and geological cross-sections, drawn to scale, depicting all soil analytical results obtained to date, to include:
  - ☐ Description of soil and bedrock lithology (as determined by investigation to date);
  - ☐ Location and orientation of UST(s), pumps, piping, sumps, etc.(current and former);
  - ☐ Soil sample identification (unique letter and/or numerical code), location, and depth;
  - ☐ Soil sample analytical results;
  - ☐ Final limits of each stage of excavation for each excavation on site; and
  - ☐ Two geological cross-sections, drawn across the contaminated area and intersecting at right angles, showing the vertical distribution of the contaminants in the unsaturated zone. (Indicate vertical and horizontal scale, orientation of each section, location of water table, soil types and lithology, all borings and sample locations represented by the sections, and soil analytical results for each represented sample, and show sections as labeled lines on the map.)
4. Map(s)\* and geological cross-sections, drawn to scale, depicting the groundwater and surface water analytical results, to include:
  - ☐ Location and orientation of UST(s), pumps, piping, sumps, etc.(current and former);
  - ☐ Groundwater sample identification (unique letter and/or numerical code referencing monitoring or water supply well)and location;
  - ☐ Surface water sample identification (unique letter and/or numerical code) and location; and
  - ☐ Groundwater and surface water sample analytical results and
5. Map(s)\* depicting groundwater elevations, to include:
  - ☐ Potentiometric contour lines (if sufficient data points exist); and
  - ☐ Groundwater flow direction
6. A free product map\* depicting thickness and extent of free product\*\*
7. A potential receptor map that clearly identifies water supply wells (municipal or public/private wells, etc.) and other potential receptors (surface water bodies, basements, utilities, wellhead protection areas, etc.) within 1500' of the source of the release.
8. A land use map that identifies the following items within 1500' of the source of the release:
  - ☐ Features sensitive to impact from the release (schools, daycare centers, nursing homes, hospitals, playgrounds, parks and recreation areas, churches, camps and other places of assembly);
  - ☐ Properties within or contiguous to the area containing contamination or within and contiguous to the area where the contamination is expected to migrate; and
  - ☐ Zoning status.

*\*Note: If possible, use a single base map to prepare site maps using a map scale of 1 inch = 40 feet (or a smaller scale for large sites, if necessary). Maps and figures should include conventional symbols, notations, labeling, legends, scales, and north arrows and should conform to generally accepted practices of map presentation such as those enumerated in the USGS Geological Survey pamphlet, "Topographic Maps."*

*\*\* If applicable*

## K. Tables

Provide the following:

1. Site History (Complete Tables B-1 and B-2 from *Guidelines*, Appendix B);
2. Public and Private Water Supply Well and Other Receptor Information (Complete Table B-5 from *Guidelines*, Appendix B);
3. Field Screening Results
4. Summary of Soil Sampling Results (Complete Table B-3 from *Guidelines*, Appendix B);
5. Summary of Groundwater Sampling and Surface Water Results (Complete Table B-4 from *Guidelines*, Appendix B);
6. Monitoring and Remediation Well Construction Information (Complete Table B-7 from *Guidelines*, Appendix B);
7. Free Product Recovery Information (Complete Table B-8A from *Guidelines*, Appendix B)\*;
8. Cumulative Volume of Free Product Recovered from Site (Complete Table B-8B from *Guidelines*, Appendix B)\*;
9. Current and Historical Groundwater Elevations and Free Product Thickness (Complete Table B-9 from *Guidelines*, Appendix B)\*: and
11. Land Use (Complete Table B-10 from *Guidelines*, Appendix B).

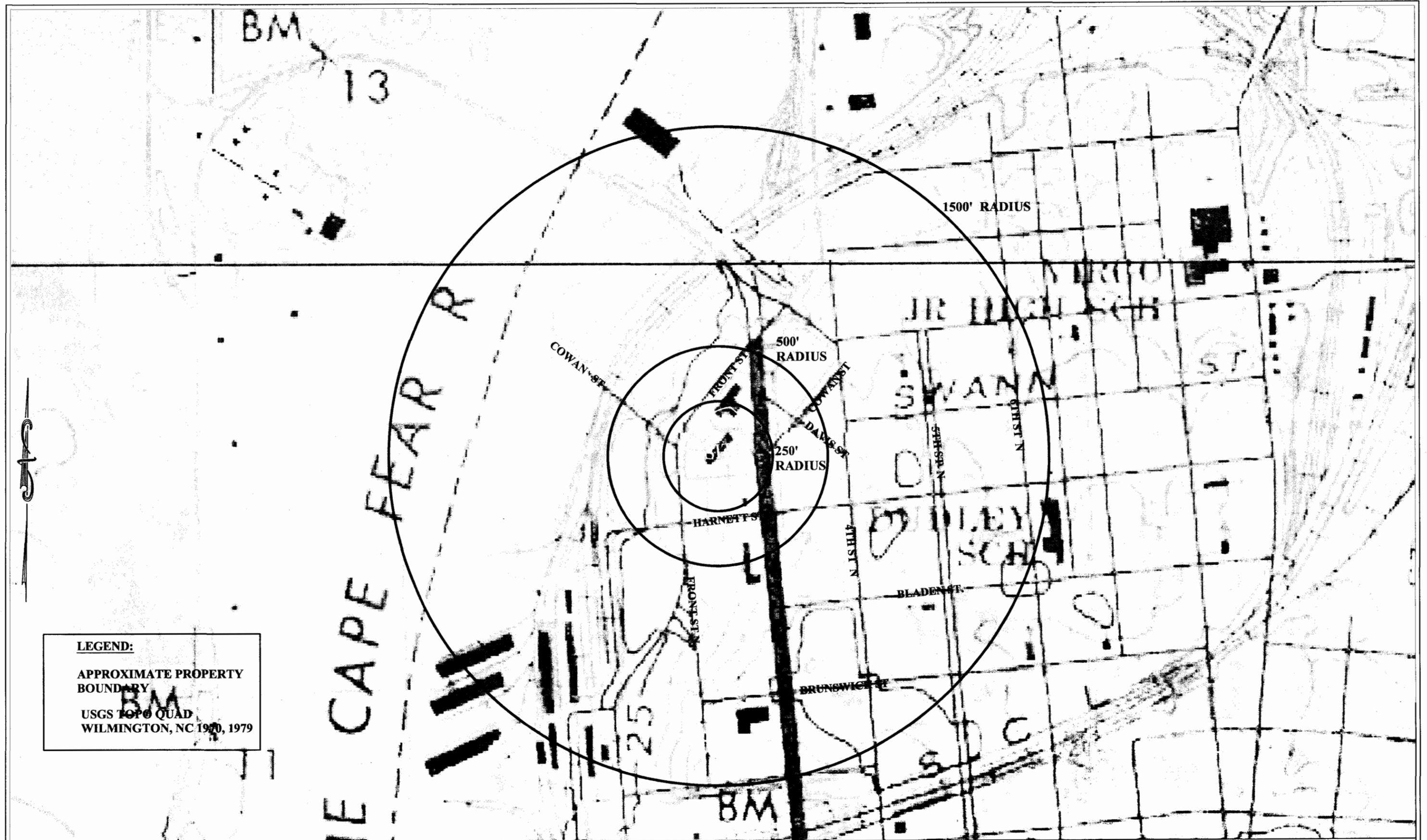
*\* If applicable*

## A. Appendices

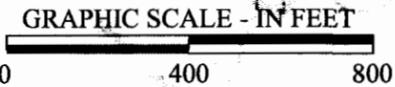
Provide the following:

- Appendix A Site Specific Health and Safety Plan (HASP)
- Appendix B Groundwater field measurements (pH, dissolved oxygen, specific conductivity, temperature)
- Appendix C Standard procedures (sampling, field equipment decontamination, field screening, etc.)
- Appendix D Copy of all laboratory analytical and chain-of-custody records
- Appendix E Geologic logs for borings
- Appendix F Monitoring Well Construction Forms (for all wells constructed to date)
- Appendix G Receptor Survey Data (properties within 500 foot radius)

**FIGURES**



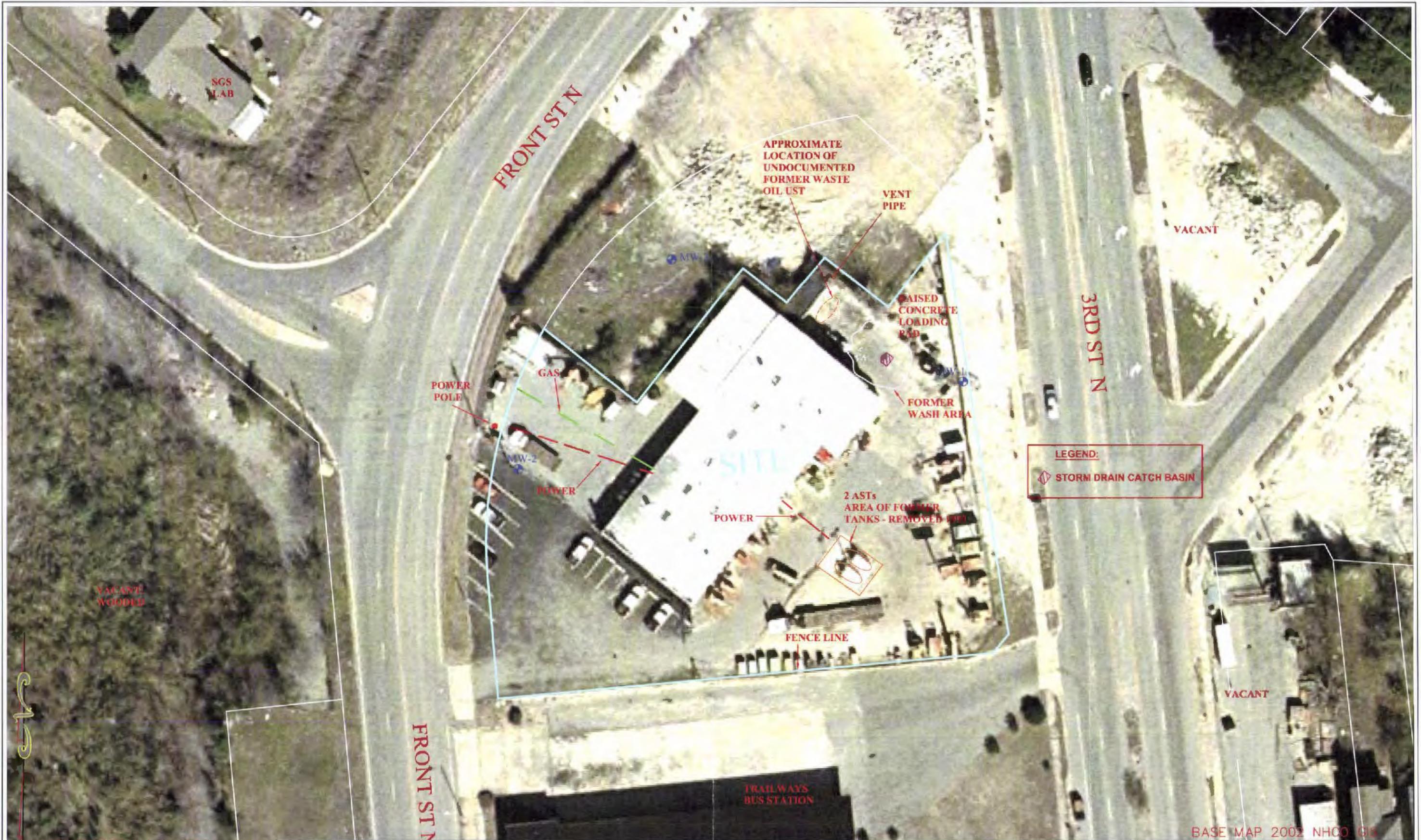
**LEGEND:**  
 APPROXIMATE PROPERTY BOUNDARY  
 USGS TOPO QUAD  
 WILMINGTON, NC 1970, 1979



RECEPTOR SURVEY - 1,500' RADIUS  
 RSC 1020 NORTH FRONT STREET  
 WILMINGTON, NORTH CAROLINA



DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	SCP	DATE:	10/31/08
SCALE:	AS SHOWN	FIG:	1



SITE MAP  
 RSC 1020 NORTH FRONT STREET  
 WILMINGTON, NORTH CAROLINA



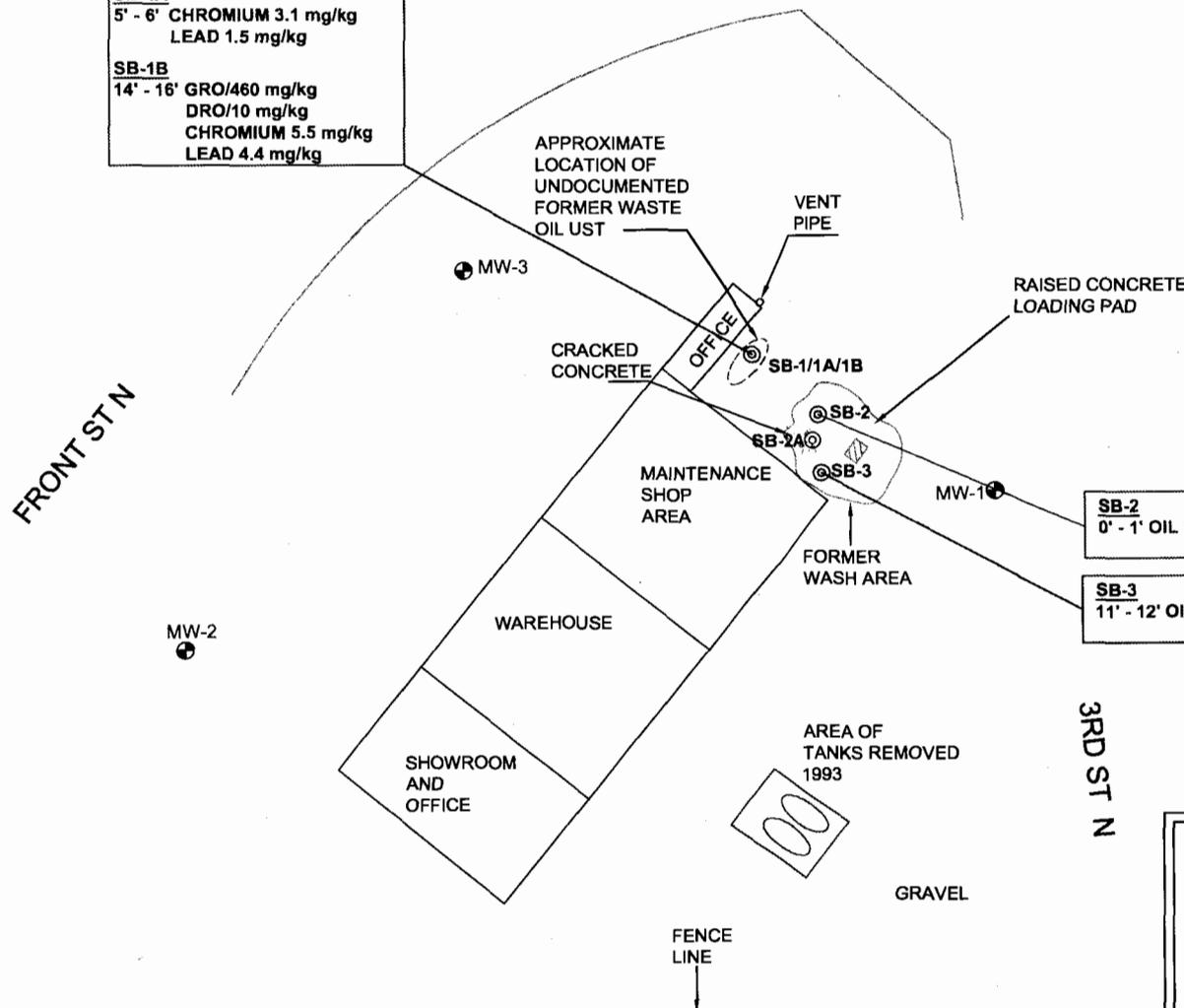
DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	SCP	DATE:	10/21/08
SCALE:	AS SHOWN	FIG:	2

BASE MAP 2002 NHCO GIS

**SB-1**  
 13' - 14' GRO/185 mg/kg  
 DRO/325 mg/kg  
 OIL & GREASE 211mg/kg

**SB-1A**  
 5' - 6' CHROMIUM 3.1 mg/kg  
 LEAD 1.5 mg/kg

**SB-1B**  
 14' - 16' GRO/460 mg/kg  
 DRO/10 mg/kg  
 CHROMIUM 5.5 mg/kg  
 LEAD 4.4 mg/kg



**SB-2**  
 0' - 1' OIL & GREASE 286 mg/kg

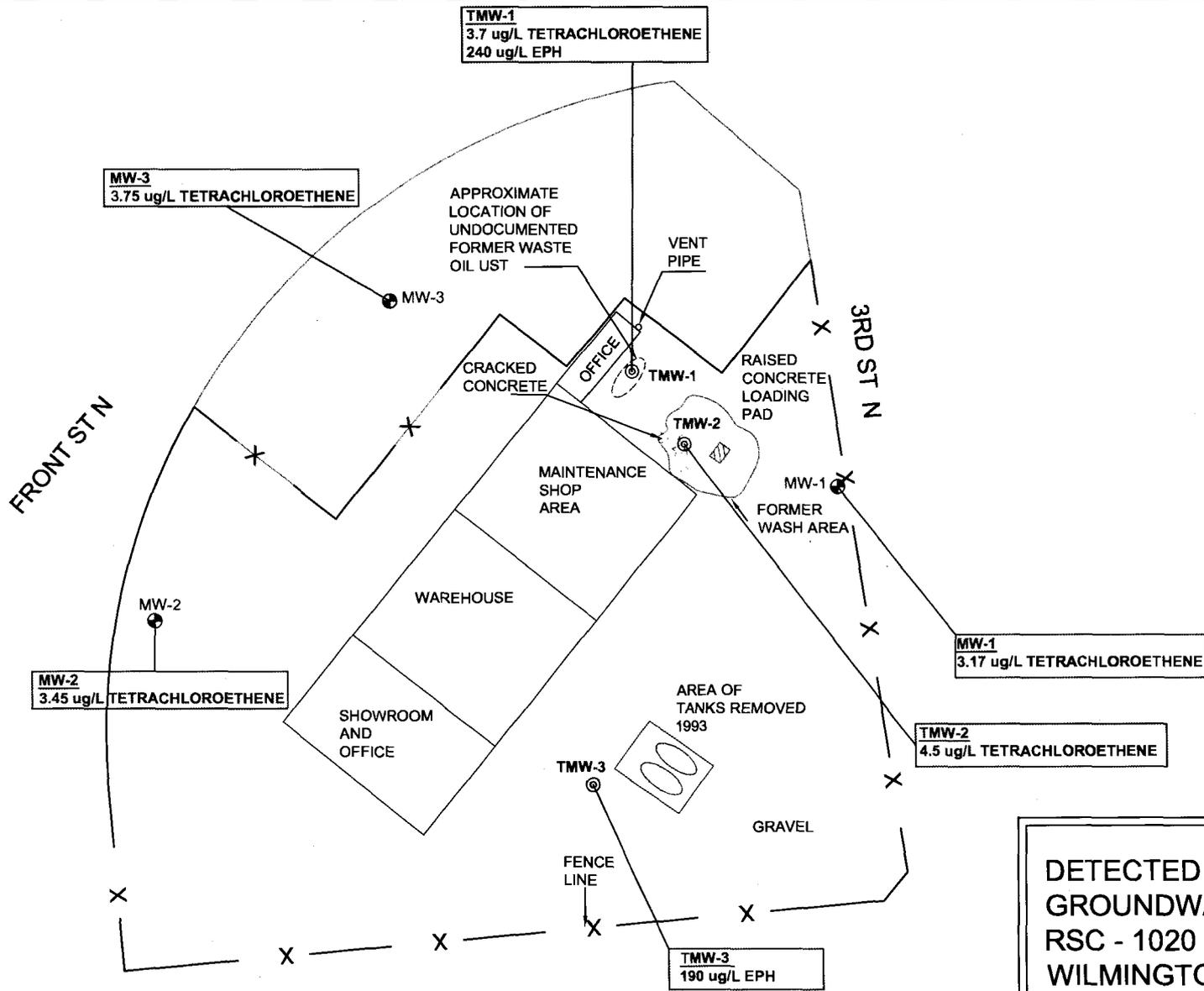
**SB-3**  
 11' - 12' OIL & GREASE 45.8 mg/kg

**LEGEND:**  
 ◎ SB-1B SOIL BORING  
 ◇ STORM DRAIN CATCH BASIN

**DETECTED COMPOUNDS IN SOIL  
 RSC - 1020 NORTH FRONT STREET  
 WILMINGTON, NORTH CAROLINA**

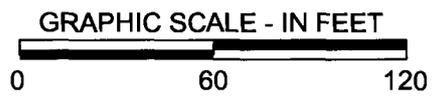


DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	JCP	DATE:	10/31/08
SCALE:	N.T.S.	FIG:	3
REFERENCE:	2002 NHCO GIS		



**LEGEND:**  
 ⊕ TMW-2 TEMPORARY MONITORING WELL  
 ⊕ MW-2 MONITORING WELL  
 ◊ STORM DRAIN CATCH BASIN

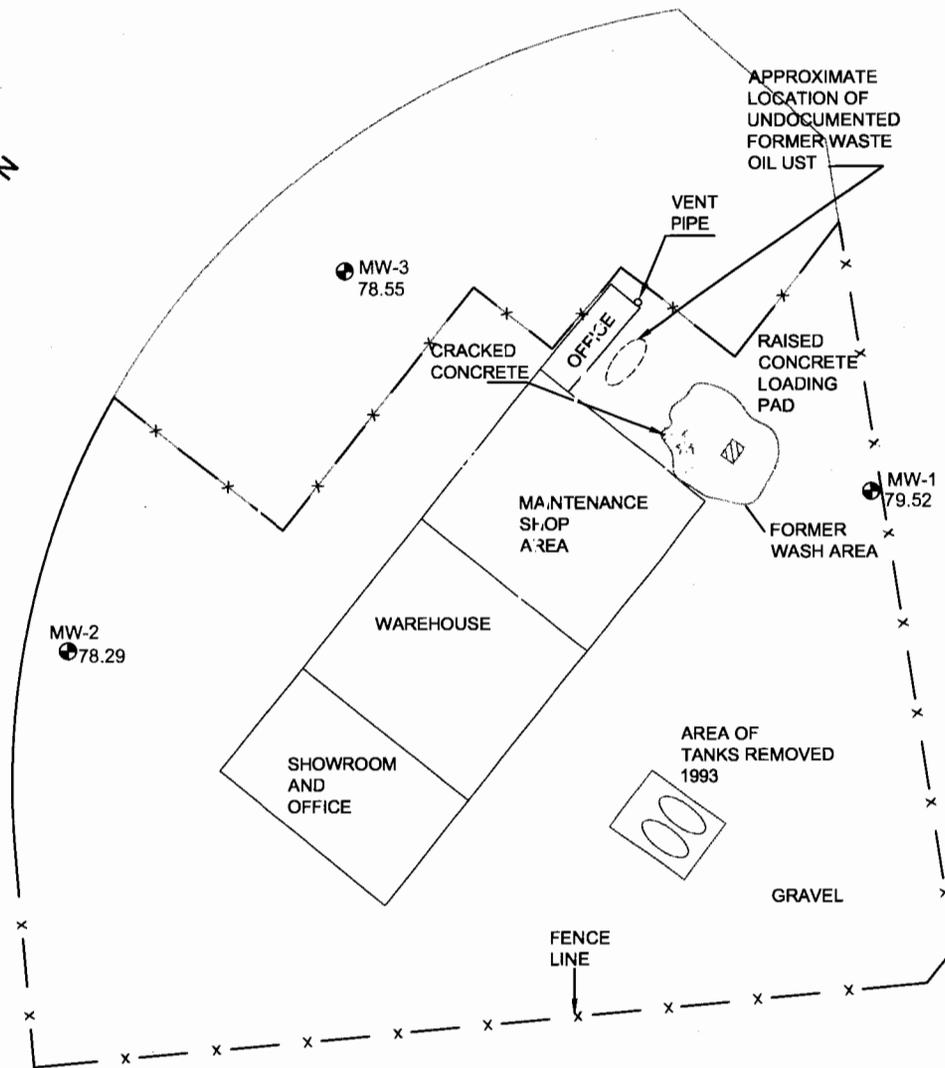
**DETECTED COMPOUNDS IN GROUNDWATER**  
**RSC - 1020 NORTH FRONT STREET**  
**WILMINGTON, NORTH CAROLINA**



DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	SCP	DATE:	10/31/08
SCALE:	N.T.S.	FIG:	4
REFERENCE:	2002 NHCO GIS		

FRONT ST N

3RD ST N



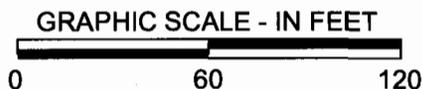
- LEGEND:**
- MW-3 78.55
  - ◊ STORM DRAIN CATCH BASIN
  - GROUNDWATER CONCENTRATION
  - GROUNDWATER CONCENTRATION CONTOUR
  - GROUNDWATER FLOW DIRECTION

- NOTES:**
- 1-WATER LEVELS COLLECTED 5-30-08
  - 2-WELL ELEVATIONS SURVEYED 6-12-08
  - 3-MONITORING WELL LOCATIONS WERE LOCATED USING A TRIMBLE EXPLORER GPS

WELL	ELEVATION
MW-1	95.81
MW-2	94.32
MW-3	96.47

ELEVATION IS TO TOP OF CASING

**GROUNDWATER ELEVATION MAP  
RSC  
1020 NORTH FRONT STREET  
WILMINGTON, NORTH CAROLINA**



DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	SCP	DATE:	10/31/08
SCALE:	AS SHOWN	FIG:	5
REFERENCE:	2002 NHCO GIS		

3

1500' RADIUS

FEAR R

L

RADIO TOWER

B.M.

48

METHOD AME CHURCH

NO ZONING DATA

HARNETT ST

BOARD COAST LINE RR

FRONT ST N

HARNETT ST

HARNETT ST

BLADEN ST

BRUNSWICK ST

JAMES ST

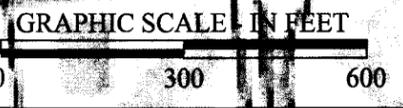
HARNETT ST

BLADEN ST

ST N

BLADEN ST

- LEGEND
- SITE
- CENTRAL BUSINESS DISTRICT
- LIGHT INDUSTRIAL
- MULTI FAMILY
- COMMUNITY BUSINESS
- RESIDENTIAL DISTRICT



ZONING MAP - 1,500' RADIUS  
 RSC - 1020 NORTH FRONT STREET  
 WILMINGTON, NORTH CAROLINA

5710 OL PANDER DRIVE  
 SUITE 110  
 WILMINGTON, NORTH CAROLINA

DRAWN:	WBM	JOB:	6550-08-0476
APPROVAL:	SCP	DATE:	10/31/08
SCALE:	AS SHOWN	FIG:	6

**TABLES**

**Table B-1: Site History – UST/AST System and Other Release Information**

Revision Date: 10/31/2008 Incident Number and Name: RSC 1020 North Front Street

UST ID Number	Current/Last Contents *	Previous Contents *	Capacity (in gallons)	Construction Details **	Tank Dimensions	Description of Associated Piping and Pumps	Date Tank Installed	Status of UST ***	Was release associated with the UST System?
A	Diesel	Diesel	1,000	Unknown	4' D X 10'9"	Unknown	Unknown	Permanently Closed (12/7/93)	No
B	Diesel	Diesel	12,000	Unknown	10.5' D X 186"	Unknown	Unknown	Permanently Closed (12/7/93)	No
C	Gasoline	Gasoline	6,000	Unknown	8' D X 16'	Unknown	Unknown	Permanently Closed (12/7/93)	No

*Add additional records as necessary*

AST ID Number	Current/Last Contents *	Previous Contents *	Capacity (in gallons)	Construction Details **	Tank Dimensions	Description of Associated Piping and Pumps	Date Tank Installed	Status of AST ***	Was release associated with the AST System?

*Add additional records as necessary*

Incident Number	Material Released	Date of Release	Description of Release

*Add additional records as necessary*

- \* Gasoline (unleaded or leaded), diesel, used oil, waste oil, aviation fuel, etc., or pesticides, non-halogenated or halogenated solvents, etc.
- \*\* Fiberglass (single- or double-walled), steel (single- or double-walled), steel with FRP (single- or double-walled), steel with liner, other, unknown.
- \*\*\* Currently operational, not in use or temporarily closed (specify date), permanently closed in place (specify date), permanently closed by removal (specify date)

**Table B-2: Site History - UST/AST Owner/Operator and Other Responsible Party Information**

Revision Date: 10/31/2008 Incident Number and Name: RSC 1020 North Front Street

UST ID Number	A, B, and C		Facility ID Number	0-020299
Name of Owner			Dates of Operation	
Mt Vernon Charter Corporation			Unknown to 12/07/93	
Street Address				
450 Carmel Estates Road				
City	State	Zip	Telephone Number	
Charlotte	NC	28266	704-542-1422	
Name of Operator			Dates of Operation	
Prime Equipment Company			Unknown to 12/07/93	
Street Address				
1020 North Front Street				
City	State	Zip	Telephone Number	
Wilmington	NC	28401	910-458-7508	
Incident Number	11710			
Name of Other Responsible Party			Dates of Release(s)	
Street Address				
City	State	Zip	Telephone Number	

\* can get  
\*

**Table B-3: Summary of Soil Sampling Results**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Analytical Method (e.g., VOC by EPA 8260) →					3051	3051	8015B	8015B	EPA 9071	8260B	8260B	8260B	8260B	8260B
Contaminant of Concern →					Chromium	Lead	TPH GRO	TPH DRO	Oil & Grease	Naphthalene	Benzene	Ethylbenzene	Tetrachloroethene	Toluene
Sample ID	Date Collected (m/dd/yy)	Source Area (eg. Tank pit 1)	Sample Depth (ft BGS)	Incident Phase (Closure, 20Day, LSA, etc.)										
SB-1	06-01-06	Waste Oil	13'-14'	--	--	--	185	325	211	0.140	<0.107	<0.107	<0.107	<0.107
SB-2	06-01-06	Wash Area	0'-1'	--	--	--	--	--	286	0.276	0.133	0.115	0.461	0.560
SB-3	06-01-06	Wash Area	11'-12'	--	--	--	--	--	45.8	<0.005	<0.005	<0.005	<0.005	<0.005
SB-1A	03-06-08	Waste Oil	5'-6'	20 Day	3.1	1.5	<5.0	<4.2	--	--	--	--	--	--
SB-1B	03-06-08	Waste Oil	14'-16'	20 Day	5.5	4.4	460	10	--	--	--	--	--	--
<b>Soil to groundwater MSCC (mg/kg)</b>					27	270	10*	10*	10*	0.580	0.0056	4.6	0.0074	7.3
<b>Residential MSCC (mg/kg)</b>					47	400	10*	10*	10*	313	18	1,560	12	3,200
<b>Industrial/Commercial MSCC (mg/kg)</b>					1226	400	10*	10*	10*	8,176	<del>104</del>	<del>1,560</del> 40,000	110	82,000

excavate  
3:1 slope  
for  
stability

Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)

List any contaminant detected above the method detection limit

MSCC = maximum soil contaminant concentration

ft. BGS = feet below ground surface results must be reported in milligrams per kilogram (mg/kg).

\*= 10 mg/kg for GRO & DRO is used as an action level

**Table B-3: Summary of Soil Sampling Results--Continued**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Analytical Method (e.g., VOC by EPA 8260) →					8260B	8260B	8260B	8260B						
Contaminant of Concern →														
Sample ID	Date Collected (m/dd/yy)	Source Area (eg. Tank pit 1)	Sample Depth (ft BGS)	Incident Phase (Closure, 20Day, LSA, etc.)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Xylenes	Iodomethane						
SB-1	06-01-06	Waste Oil	13'-14'	--	<0.107	<0.107	<0.321	<0.107						
SB-2	06-01-06	Wash Area	0'-1'	--	0.276	0.08	1.007	<0.0661						
SB-3	06-01-06	Wash Area	11'-12'	--	<0.005	<0.005	<0.005	0.0145						
SB-1A	03-06-08	Waste Oil	5'-6'	20 Day	--	--	--	--						
SB-1B	03-06-08	Waste Oil	14'-16'	20 Day	--	--	--	--						
<b>Soil to groundwater MSCC (mg/kg)</b>					7.5	7.3	5	--						
<b>Residential MSCC (mg/kg)</b>					782	782	3,129	--						
<b>Industrial/Commercial MSCC (mg/kg)</b>					20,440	20,440	81,760	--						

Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)

List any contaminant detected above the method detection limit

MSCC = maximum soil contaminant concentration

ft. BGS = feet below ground surface results must be reported in milligrams per kilogram (mg/kg).

\*= 10 mg/kg for GRO & DRO is used as an action level

**Table B-4: Summary of Groundwater and Surface Water Sampling Results**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Analytical Method (e.g., VOC by EPA 601) →				MAD EPH	6210D	8260B							
Contaminant of Concern →													
Well or SW ID	Date Collected (m/dd/yy)	Source Area	Incident Phase (Closure, 20Day, LSA, etc.)	C9-C18 Aliphatics	Tetrachlor oethene	Tetrachlor oethene							
Waste Oil TMW-1	03-06-08	Waste Oil/ offsite (PCE)	20 Day	240	3.7	--							
Wash Area TMW-2	03-06-08	Offsite	20 Day	--	4.5	--							
Diesel UST TMW-3	03-06-08	Diesel UST	20 Day	190	--	--							
MW-1	05-30-08	Offsite	--	--	--	3.17							
MW-2	05-30-08	Offsite	--	--	--	3.45							
MW-3	05-30-08	Offsite	--	--	--	3.75							
<b>2L Standard (ug/l)</b>				4200	0.7	0.7							
<b>GCL (ug/l)</b>				NE	700	700							
<b>NC 2B Standard or EPA National Criteria (ug/l)</b>				NE	0.172	0.172							

Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)

List any contaminant detected above the method detection limit

Results must be reported in micrograms per liter (ug/l)

GCL = gross contamination level

NE = not established

**Table B-5: Public and Private Water Supply Well and Other Receptor Information**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street Facility ID#: 0-020299

(Include the following information. The well number (can use tax number), well owner and user names, addresses and telephone numbers, use of the well (potable, agricultural, etc.), well depth, type of well (i.e., drilled or bored), well casing depth, well screen interval and distance of well from the source area of the release)

Public and Private Water Supply Wells:  
**Not Applicable**

Well #	Well Owner/ User (indicate which)	Address	Phone Number	Well Use	Well Depth (ft BGS)	Type of Well	Well Casing Depth (ft. BGS)	Well Screen Interval (x to y ft. BGS)	Distance from source area of release (ft.)	Up or downgradient

Ft BGS = feet below ground surface

Other Receptors:

**Not Applicable**

(other public water supplies, reservoirs, water supply lines, surface water bodies, wellhead protection areas, recharge areas for deep aquifers, subsurface structures)

Receptor ID	Description	Location	Contact	Phone Number	Usage			Up or down-gradient	Distance from source area of release (ft.)



**Table B-7: Monitoring and Remediation Well Construction Information**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Well ID	Date Installed (m/dd/yy)	Date Water Level Measured (m/dd/yy)	Well Casing Diameter (in.)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Depth of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness ** (ft.)	Groundwater Elevation* (ft.)	Comments
TMW-1	03-06-08	03-06-08	1	20	16-20	20	NM	16.01	N/A	NA	TOC not surveyed
TMW-2	03-06-08	03-06-08	1	19	15-19	19	NM	15.66	NA	NA	TOC not surveyed
TMW-3	03-06-08	03-06-08	1	21	17-21	21	NM	14.21	NA	NA	TOC not surveyed
MW-1	05-27-08	05-30-08	2	25	15-25	25	95.81	16.29	NA	79.52	TOC not surveyed
MW-2	05-27-08	05-30-08	2	25	15-25	25	94.32	16.03	NA	78.29	TOC not surveyed
MW-3	05-27-08	05-30-08	2	25	15-25	25	96.47	17.92	NA	78.55	TOC not surveyed

\* Reference Point for Elevation Measurements Fire Hydrant located at Front & 3<sup>rd</sup> Street, Assumed Elevation: 100 ft.

\*\* If free product is present in a well, groundwater elevation should be calculated by: [Top of Casing Elevation - Depth to Water] + [free product thickness x 0.8581]

ft BGS = feet below ground surface

**Table B-8A: Free Product Recovery Information**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street Facility ID#: 0-020299

Not Applicable

Date (m/dd/yy)	Well ID #	Product Type (gas, diesel, etc.)	Free Product Recovery Method*	Product Thickness before Recovery (inches)	Product Thickness after Recovery (inches)	Amount of Vaporized Product	Amount of Liquid (Water and Product)	Amount of Liquid Product	Total Amount of Product Recovered (gallons)

(Present all calculations in an attachment)

\* Bailing, Skimming, Aggressive Fluid Vapor Recovery, Mobile Multiphase Extraction, etc,

**Table B-8B: Cumulative Volume of Free Product Recovered from Site**

Date of Recovery Event (m/dd/yy)	Total Volume Recovered from Site During Current Recovery Event (gallons)	Cumulative Total of Volume Recovered to Date from All Recovery Events (gallons)

**Table B-9: Current and Historical Groundwater Elevations and Free Product Thickness**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Not Applicable

Well ID #	Date	Screened Interval (top of screen, bottom of screen)	Depth to Water* Uncorrected (feet)	Free Product Thickness (feet)	Depth to Water* Corrected for Free Product Thickness (feet)	Top of Casing Elevation (MSL)	Groundwater Surface Elevation (MSL)
		-					
		-					
		-					
		-					
		-					
		-					
		-					

\*Depth to Water is measured from Top of Casing

**Table B – 10: Land Use**

Revision Date: 10/31/08 Incident Number and Name: RSC 1020 North Front Street

Facility ID#: 0-020299

Map ID #	Date Determined	Land Use Feature (include zoning)	Location (complete street address if applicable)	Distance and Direction from Source Area
R04809-037-021-000	10-03-08	Hospital Zoning: CBD	New Hanover Community Health Center 910 4 <sup>th</sup> Street North	500 feet southwest
R04809-018-005-000	10-03-08	Church Zoning: R-3	Mt Zion Ame Church 1111 North 5 <sup>th</sup> Street	850 feet northeast

**APPENDIX A  
SITE SPECIFIC HEALTH  
AND SAFETY PLAN**

**MACTEC ENGINEERING AND CONSULTING, INC.**  
**5710 Oleander Drive, Suite 110**  
**Wilmington, North Carolina 28403**  
**910-452-1185**

**HEALTH AND SAFETY PLAN**

RSC

1020 North Front Street, Wilmington, North Carolina

**MACTEC Project No. 6550-08-0476**

**REVIEW AND APPROVAL**

Project Manger J. Chris Pruneau  
J. Chris Pruneau

Field Safety Coordinator Kim Charles-Smith  
Kim Charles-Smith

Principal Hydrogeologist J. Chris Pruneau  
J. Chris Pruneau

<b>DATE OF PLAN PREPARATION</b>	<b>DATE OF PLANNED FIELD ACTIVITIES</b>
03-06-08	5/27/08 and 5/30/08

**MEDICAL SURVEILLANCE**

All MACTEC field personnel participate in the MACTEC medical monitoring program.

**EMERGENCY PHONE NUMBERS** (Site area is serviced by 911 System)

HOSPITAL: (910) 343-7000 (Emergency) New Hanover Regional Medical Center (See attached map)

FIRE: 911 (Emergency)

POLICE: 911 (Emergency)

**EMERGENCY PROCEDURES**

In event of overt personnel exposure (skin contact, inhalation, ingestion):

**Skin** - remove contaminated clothing, wash with soap and water

**Inhalation** - remove to fresh air

**Eye Contact** - flush with eye wash or water - get medial help

**Ingestion** - get medical help if indicated

**In event of personnel injury:**

Administer first aid if needed. Medical emergencies take precedence over decontamination procedures. Know route to nearest medical facility. See attached map.

**In event of potential or actual fire or explosion:**

Do not fight fire. Contact Fire Department and/or client company officials as appropriate. Evacuate if necessary to "clean" location. Move perpendicular to the wind direction. Check wind direction indicator if visible.

**SITE INFORMATION**

**FLAMMABLE MATERIAL (known)**

Contaminant	OSHA PEL	Personal Protection
Gasoline	None	Skin: Prevent skin contact Eyes: Prevent eye contact Inhalation: Avoid inhaling vapors Ingestion: Medical attention immediately
Waste Oil	None	Same
Diesel	None	Same

**HAZARD ASSESSMENT**

The area of work is located in an operating equipment rental business. Workers shall wear orange safety vest to insure they are visible at all times.

Underground utilities include power and natural gas. Therefore, utilities were located prior to beginning subsurface work at the site. In addition, care should be taken during boring advancement at each location.

Measures taken to avoid direct contact with potentially contaminated soils and/or ground-water include wearing vinyl gloves, leather boots, and safety glasses. **NO SMOKING OR EATING IN AREA OF WORK.**

**VARIABILITY AMONG INDIVIDUALS**

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized. **EFFECTS OF OVEREXPOSURE (Signs and symptoms of exposure)** High vapor concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

**PREVENTATIVE MEASURES**

**VENTILATION :** Make sure ventilation is sufficient to prevent a buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

**RESPIRATORY PROTECTION :** Respiratory protection is not necessary in well ventilated areas, however if large quantities of vapors are inhaled respiratory support may be necessary.

**PROTECTIVE GLOVES :** Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**EYE PROTECTION :** Safety glasses must be worn at all times.

**PERSONAL HYGIENE :** Minimize breathing vapor. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before re-use. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period with soap and water.

#### **FIRST AID**

**VAPOR EXPOSURE:** Remove from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Maintain airway and blood pressure and administer oxygen if available. Keep affected person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

**SKIN EXPOSURE:** Remove contaminated clothing and shoes immediately. Wash effected area with soap or mild detergent and large amounts of water until no evidence of chemical remains.

#### **LOCATION OF SITE "CLEAN AREA" AND DECONTAMINATION STATION**

To be determined at the site by the Field Safety Coordinator. Drilling equipment will be decontaminated prior to arrival at site. The sampling device will be decontaminated after completion of project or before leaving the site.

### **WORK PROCEDURES**

#### **PLANNED FIELD ACTIVITIES**

- Installation of three permanent monitoring wells at the RSC facility and the subsequent sampling of these wells. The wells will be installed using Geoprobe® direct push technology. Samples will be placed in laboratory containers and submitted for laboratory analysis.

#### **SITE MONITORING PROCEDURES**

Field Safety Coordinator will be on-site during planned field activities. Direct contact with soil and groundwater will be avoided.

#### **CLOTHING AND PROTECTIVE GEAR REQUIRED**

Required at work site: Boots, rubber gloves, protective eye wear, and hard hats. Gloves are required during soil drilling and sampling.

#### **To be readily available on Site:**

Half face respirator with volatile organic air filter cartridges.

#### **DECONTAMINATION PROCEDURES**

Drilling equipment and tools will be decontaminated on the property.

#### **DISPOSAL PROCEDURES**

No investigation derived waste will be generated during sampling activities.

## WORK PRECAUTIONS

1. Prior to any employee or subcontractor personnel beginning work on the project, the Field Safety Coordinator shall brief the employee on the contents of this plan.
2. No eating, drinking, smoking or putting hands in mouth while in the area of drilling or sampling.
3. Wear vinyl gloves while performing the described fieldwork.
4. Wash all exposed skin areas with soap and water before departing from the site.
5. Use safe and legal procedures for sample storage and shipment.

## PERSONNEL POTENTIALLY EXPOSED TO NON-HAZARDOUS MATERIALS

### Personnel Authorized to Enter Site

1. Kim Charles-Smith
2. Bill Mabie
3. Chris Pruneau
4. Ben Grosser
5. Ben Moore
6. Frank Stroehmer
7. Aimee Grosser

### Other Personnel Assigned to Handle Materials from the Site (i.e. analyze soil samples)

1. Environmental Science Corporation (ESC)
- 2.
- 3.

**FIELD SAFETY COORDINATOR'S SUMMARY**

(To be completed by Field Safety Coordinator after completion of field work, and returned to Health and Safety Officer.)

During the work and covered by the Safety Plan, there were:

- a. No violations of the Safety Plan provisions and no obvious contamination of MACTEC employees or subcontractors.
  
- b. The following violations of the Safety Plan provisions or obvious contamination of MACTEC personnel or subcontractors. (Give details of who, when, type of contamination, circumstances, first aid or medical assistance.)

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Signature \_\_\_\_\_ Date \_\_\_\_\_  
Field Safety Coordinator

ALL ACCIDENTS AND INCIDENTS CAUSING POTENTIAL EXPOSURE TO HAZARDOUS MATERIALS MUST BE REPORTED AS SOON AS POSSIBLE TO:

- 1) HEALTH AND SAFETY OFFICER, or
- 2) CHIEF ENGINEER, or
- 3) BRANCH MANAGER

**APPENDIX B  
GROUNDWATER FIELD  
MEASUREMENTS**

**GROUNDWATER FIELD MEASUREMENTS**  
**RSC - 1020 NORTH FRONT STREET**  
**WILMINGTON, NC**  
**MACTEC Job No: 6550-08-0476**

WELL ID	DATE	WELL ELEVATION TOC (Feet)	STATIC WATER LEVEL TOC (Feet)	GROUNDWATER ELEVATION TOC (Feet)	FIELD ANALYSIS		
					TEMP °C	pH	COND µs/cm
TMW-1	3/6/2008	NM	16.01	NM	22.4	7.34	316
TMW-2	3/6/2008	NM	15.66	NM	21.1	5.55	360
TMW-3	3/6/2008	NM	14.21	NM	20.8	5.83	202
MW-1	5/30/2008	95.81	16.29	79.52	23.8	6.27	287
MW-2	5/30/2008	94.32	16.03	78.29	24.5	6.18	322
MW-3	5/30/2008	96.47	17.92	78.55	22.2	6.05	301

**NOTES:**

Monitoring Well elevation survey conducted 6/12/08

TOC = Top Of Casing

pH = Standard Units

NM = Not Measured

Created by: AEG 10/10/08

Checked by: BDG 10/20/08

**APPENDIX C**  
**STANDARD PROCEDURES USED FOR MONITORING WELL INSTALLATION,**  
**GROUNDWATER SAMPLING, AND FIELD EQUIPMENT DECONTAMINATION**

## BORING/MONITORING WELL INSTALLATION

MACTEC contracted with Carolina Drilling, Inc. to install three permanent monitoring wells at the RSC facility. On May 27, 2008, Carolina Drilling, Inc. drilled three borings for the installation of three permanent monitoring wells (MW-1, 2 and 3). The locations of this boring/monitoring wells installed at the site is presented on Figure 2.

The well installation was accomplished using a Geoprobe® track drill rig. The boring depth was determined based on the depth of groundwater. The field activities and observations were recorded in a field logbook and have been transcribed into boring logs and well construction records presented herein.

Groundwater monitoring wells MW-1, 2 and 3 consisted of a Geoprobe® Pre-packed Well Screen. The well consists of a 10-foot length of 0.001-inch slotted 1.0-inch Schedule 40 PVC screen attached to an appropriate length of 1.0-inch Schedule 40 PVC riser pipe. The slotted PVC well screen pipe is surrounded by a stainless steel mesh. Sand is packed between the slotted PVC and the stainless steel mesh, which guarantees that sand will be located directly around the well screen. Installation procedures included driving the probe rods to depth with the Geoprobe® probing machine. Once the well assembly is lowered to the bottom of the probe rod string, the probe rods are retracted to a point above the screen. Torpedo sand was added to the annulus of the borehole when necessary as the probe rod string was retracted. The sand pack was continued to two feet above the top of the well screen. Bentonite pellets were added (~2-feet thick) and were hydrated. Portland grout was then added and a flush mount well cover was then installed to grade. A locking expandable cap with lock was placed on the well.

## GROUNDWATER MONITORING

On May 30, 2008, MACTEC personnel conducted groundwater monitoring activities on the three monitoring wells. A site map illustrating the monitoring well locations, structures and adjacent roads are presented in Figure 2.

Prior to purging and sampling, a water level was collected from all three wells, using a pre-cleaned electronic water level meter. The well was developed using a peristaltic pump and clean dedicated high-density polyethylene (HDPE) tubing. The well was then purged and sampled, using a peristaltic pump and associated dedicated HDPE tubing. A Hanna pH meter was used to measure temperature, conductivity and pH of the purge water. Groundwater samples were collected in laboratory prepared sample containers, placed in coolers filled with bagged ice, and were delivered to Environmental Science Corp (ECS), in Mt. Juliet, Tennessee, a North Carolina certified laboratory, for analysis of select parameters. A chain-of-custody record was maintained throughout the sample collection and shipment process.

## SAMPLE CONTAINERS AND PRESERVATIVES

Sample preservation was used to prevent or retard the degradation or modification of chemical compounds during transit and storage prior to laboratory extraction and analysis. Necessary preservatives were selected by the laboratory, ESC, based on the type of sample and required analyses. Preservatives were added to containers by the laboratory prior to sampling. Sample containers and preservation were based on SW-846 requirements and the specific requirements listed in the selected methods. Samples requiring acid preservation were checked in the field to ensure that the amount of preservative added to the sample containers is adequate.

Samples shipped for analysis were handled and packaged in a manner that maintains a complete chain-of-custody record and prevents damage during shipment. Samples were transported to the laboratory by a commercial carrier.

### DECONTAMINATION PROCEDURES

The following is the standard procedure that was used for the drilling equipment. Drill stems, rods, augers, tools, split spoons, sample barrels, and associated equipment were cleaned prior to initial drilling and between boring stations. Cleaning and decontamination of all equipment occurred at a designated area on the site. Potable tap water brought on the site for drilling and cleaning purposes was contained in a pre-cleaned tank of sufficient size so that drilling activities proceeded without having to stop and obtain additional water. Large pieces of equipment were cleaned using a steam cleaner and/or high-pressure hot water washer.

Equipment that was steam cleaned was placed on racks or sawhorses at least two feet above the floor of the decontamination pad. Hollow-stem augers, drill rods, etc., that were hollow or had holes that transmit water or drilling fluids, were cleaned on the inside as well as the outside. After cleaning, surfaces were thoroughly rinsed. Cleaned equipment was allowed to air dry.

### INSTRUMENT TESTING, CALIBRATION, & MAINTENANCE

Field sampling personnel are responsible for preventative maintenance of all field instruments. Field instruments will be transported and stored in protective cases or boxes during sampling activities. The field equipment was subject to a routine cleaning, calibration, and maintenance program before and after each use in accordance with the manufacturer's operation and maintenance manual. Necessary repairs were performed immediately after any defects are observed and before the item of equipment was used again. Equipment parts with a limited life (for example, batteries, lamps, etc.) were periodically checked and replaced or recharged as necessary in accordance with the manufacturer's specifications. Procedures applicable to properly maintaining and labeling equipment status were followed. Equipment was properly stored when not in use.

**APPENDIX D**  
**LABORATORY ANALYTICAL REPORTS AND**  
**CHAIN-OF-CUSTODY DOCUMENTS**





Results for Oil and Grease

Client Sample ID: SB-1  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-1G  
 Lab Project ID: G132-1558  
 Matrix: Soil

Date Analyzed: 6/5/2006  
 Analyzed By: eaw  
 Date Collected: 6/1/2006 11:55  
 Date Received: 6/2/2006  
 Solids: 79.29

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	35.8	211

Comments:

BQL = Below Quantitation Limit  
 All soils are corrected for percent solids.

Reviewed By: ESD  
 9071\_LIMS\_v1.35



**Results for Oil and Grease**

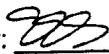
Client Sample ID: SB-2  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-2G  
 Lab Project ID: G132-1558  
 Matrix: Soil

Date Analyzed: 6/5/2006  
 Analyzed By: eaw  
 Date Collected: 6/1/2006 12:50  
 Date Received: 6/2/2006  
 Solids: 93.42

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	32.5	286

**Comments:**

BQL = Below Quantitation Limit  
 All soils are corrected for percent solids.

Reviewed By:   
 9071\_LIMS\_v1.35



**Results for Oil and Grease**

Client Sample ID: SB-3  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-3G  
 Lab Project ID: G132-1558  
 Matrix: Soil

Date Analyzed: 6/5/2006  
 Analyzed By: eaw  
 Date Collected: 6/1/2006 13:55  
 Date Received: 6/2/2006  
 Solids: 96.89

Parameter	Method	RL	Result
		MG/KG	MG/KG
Oil & Grease	9071	30.5	45.8

**Comments:**

BQL = Below Quantitation Limit  
 All soils are corrected for percent solids.

Reviewed By:   
 9071\_LIMS\_v1.35



**Results for Volatiles  
by GCMS 8260B/5035**

Client Sample ID: SB-1  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-1D  
 Lab Project ID: G132-1558  
 Report Basis: Dry Weight

Analyzed By: MJC  
 Date Collected: 6/1/2006 11:55  
 Date Received: 6/2/2006  
 Matrix: Soil  
 %Solids: 79.3

Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	2680	100	6/12/2006
Benzene	BQL	107	100	6/12/2006
Bromobenzene	BQL	107	100	6/12/2006
Bromochloromethane	BQL	107	100	6/12/2006
Bromodichloromethane	BQL	107	100	6/12/2006
Bromoform	BQL	107	100	6/12/2006
Bromomethane	BQL	107	100	6/12/2006
2-Butanone	BQL	2680	100	6/12/2006
n-Butylbenzene	BQL	107	100	6/12/2006
sec-Butylbenzene	BQL	107	100	6/12/2006
tert-Butylbenzene	BQL	107	100	6/12/2006
Carbon disulfide	BQL	107	100	6/12/2006
Carbon tetrachloride	BQL	107	100	6/12/2006
Chlorobenzene	BQL	107	100	6/12/2006
Chloroethane	BQL	107	100	6/12/2006
Chloroform	BQL	107	100	6/12/2006
Chloromethane	BQL	107	100	6/12/2006
2-Chlorotoluene	BQL	107	100	6/12/2006
4-Chlorotoluene	BQL	107	100	6/12/2006
Dibromochloromethane	BQL	107	100	6/12/2006
1,2-Dichlorobenzene	BQL	107	100	6/12/2006
1,3-Dichlorobenzene	BQL	107	100	6/12/2006
1,4-Dichlorobenzene	BQL	107	100	6/12/2006
trans-1,4-Dichloro-2-butene	BQL	535	100	6/12/2006
1,1-Dichloroethane	BQL	107	100	6/12/2006
1,1-Dichloroethene	BQL	107	100	6/12/2006
1,2-Dichloroethane	BQL	107	100	6/12/2006
cis-1,2-Dichloroethene	BQL	107	100	6/12/2006
trans-1,2-dichloroethene	BQL	107	100	6/12/2006
1,2-Dichloropropane	BQL	107	100	6/12/2006
1,3-Dichloropropane	BQL	107	100	6/12/2006
2,2-Dichloropropane	BQL	107	100	6/12/2006
1,1-Dichloropropene	BQL	107	100	6/12/2006
cis-1,3-Dichloropropene	BQL	107	100	6/12/2006
trans-1,3-Dichloropropene	BQL	107	100	6/12/2006
Dichlorodifluoromethane	BQL	535	100	6/12/2006
Diisopropyl ether (DIPE)	BQL	107	100	6/12/2006
Ethylbenzene	BQL	107	100	6/12/2006
Hexachlorobutadiene	BQL	107	100	6/12/2006
2-Hexanone	BQL	535	100	6/12/2006
Iodomethane	BQL	107	100	6/12/2006
Isopropylbenzene	BQL	107	100	6/12/2006



**Results for Volatiles  
by GCMS 8260B/5035**

Client Sample ID: SB-1  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-1D  
 Lab Project ID: G132-1558  
 Report Basis: Dry Weight

Analyzed By: MJC  
 Date Collected: 6/1/2006 11:55  
 Date Received: 6/2/2006  
 Matrix: Soil  
 %Solids: 79.3

Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
4-Isopropyltoluene	BQL	107	100	6/12/2006
Methylene chloride	BQL	535	100	6/12/2006
4-Methyl-2-pentanone	BQL	535	100	6/12/2006
Methyl-tert-butyl ether (MTBE)	BQL	107	100	6/12/2006
Naphthalene	<b>140</b>	107	100	6/12/2006
n-Propyl benzene	BQL	107	100	6/12/2006
Styrene	BQL	107	100	6/12/2006
1,1,1,2-Tetrachloroethane	BQL	107	100	6/12/2006
1,1,2,2-Tetrachloroethane	BQL	107	100	6/12/2006
Tetrachloroethene	BQL	107	100	6/12/2006
Toluene	BQL	107	100	6/12/2006
1,2,3-Trichlorobenzene	BQL	107	100	6/12/2006
1,2,4-Trichlorobenzene	BQL	107	100	6/12/2006
Trichloroethene	BQL	107	100	6/12/2006
1,1,1-Trichloroethane	BQL	107	100	6/12/2006
1,1,2-Trichloroethane	BQL	107	100	6/12/2006
Trichlorofluoromethane	BQL	107	100	6/12/2006
1,2,3-Trichloropropane	BQL	107	100	6/12/2006
1,2,4-Trimethylbenzene	BQL	107	100	6/12/2006
1,3,5-Trimethylbenzene	BQL	107	100	6/12/2006
Vinyl chloride	BQL	107	100	6/12/2006
m-,p-Xylene	BQL	214	100	6/12/2006
o-Xylene	BQL	107	100	6/12/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	14.7	147 #
1,2-Dichloroethane-d4	10	11.6	116
Toluene-d8	10	10.2	102

**Comments:**

Sample diluted due to high concentrations of non target compounds.  
 # = Recovery above control limit due to matrix interference.  
 BQL = Below Quantitation Limits.

Reviewed By:



**Results for Volatiles  
by GCMS 8260B/5035**

Client Sample ID: SB-2  
Client Project ID: RSC  
Lab Sample ID: G132-1558-2D  
Lab Project ID: G132-1558  
Report Basis: Dry Weight

Analyzed By: MJC  
Date Collected: 6/1/2006 12:50  
Date Received: 6/2/2006  
Matrix: Soil  
%Solids: 93.4

Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	1650	50	6/12/2006
Benzene	133	66.1	50	6/12/2006
Bromobenzene	BQL	66.1	50	6/12/2006
Bromochloromethane	BQL	66.1	50	6/12/2006
Bromodichloromethane	BQL	66.1	50	6/12/2006
Bromoforn	BQL	66.1	50	6/12/2006
Bromomethane	BQL	66.1	50	6/12/2006
2-Butanone	BQL	1650	50	6/12/2006
n-Butylbenzene	BQL	66.1	50	6/12/2006
sec-Butylbenzene	BQL	66.1	50	6/12/2006
tert-Butylbenzene	BQL	66.1	50	6/12/2006
Carbon disulfide	BQL	66.1	50	6/12/2006
Carbon tetrachloride	BQL	66.1	50	6/12/2006
Chlorobenzene	BQL	66.1	50	6/12/2006
Chloroethane	BQL	66.1	50	6/12/2006
Chloroform	BQL	66.1	50	6/12/2006
Chloromethane	BQL	66.1	50	6/12/2006
2-Chlorotoluene	BQL	66.1	50	6/12/2006
4-Chlorotoluene	BQL	66.1	50	6/12/2006
Dibromochloromethane	BQL	66.1	50	6/12/2006
1,2-Dibromo-3-chloropropane	BQL	330	50	6/12/2006
Dibromomethane	BQL	66.1	50	6/12/2006
1,2-Dibromoethane (EDB)	BQL	66.1	50	6/12/2006
1,2-Dichlorobenzene	BQL	66.1	50	6/12/2006
1,3-Dichlorobenzene	BQL	66.1	50	6/12/2006
1,4-Dichlorobenzene	BQL	66.1	50	6/12/2006
trans-1,4-Dichloro-2-butene	BQL	330	50	6/12/2006
1,1-Dichloroethane	BQL	66.1	50	6/12/2006
1,1-Dichloroethene	BQL	66.1	50	6/12/2006
1,2-Dichloroethane	BQL	66.1	50	6/12/2006
cis-1,2-Dichloroethene	BQL	66.1	50	6/12/2006
trans-1,2-dichloroethene	BQL	66.1	50	6/12/2006
1,2-Dichloropropane	BQL	66.1	50	6/12/2006
1,3-Dichloropropane	BQL	66.1	50	6/12/2006
2,2-Dichloropropane	BQL	66.1	50	6/12/2006
1,1-Dichloropropene	BQL	66.1	50	6/12/2006
cis-1,3-Dichloropropene	BQL	66.1	50	6/12/2006
trans-1,3-Dichloropropene	BQL	66.1	50	6/12/2006
Dichlorodifluoromethane	BQL	330	50	6/12/2006
Diisopropyl ether (DIPE)	BQL	66.1	50	6/12/2006
Ethylbenzene	115	66.1	50	6/12/2006
Hexachlorobutadiene	BQL	66.1	50	6/12/2006



**Results for Volatiles  
by GCMS 8260B/5035**

Client Sample ID: SB-2  
 Client Project ID: RSC  
 Lab Sample ID: G132-1558-2D  
 Lab Project ID: G132-1558  
 Report Basis: Dry Weight

Analyzed By: MJC  
 Date Collected: 6/1/2006 12:50  
 Date Received: 6/2/2006  
 Matrix: Soil  
 %Solids: 93.4

Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	330	50	6/12/2006
Iodomethane	BQL	66.1	50	6/12/2006
Isopropylbenzene	BQL	66.1	50	6/12/2006
4-Isopropyltoluene	BQL	66.1	50	6/12/2006
Methylene chloride	BQL	330	50	6/12/2006
4-Methyl-2-pentanone	BQL	330	50	6/12/2006
Methyl-tert-butyl ether (MTBE)	BQL	66.1	50	6/12/2006
Naphthalene	276	66.1	50	6/12/2006
n-Propyl benzene	BQL	66.1	50	6/12/2006
Styrene	BQL	66.1	50	6/12/2006
1,1,1,2-Tetrachloroethane	BQL	66.1	50	6/12/2006
1,1,2,2-Tetrachloroethane	BQL	66.1	50	6/12/2006
Tetrachloroethene	461	66.1	50	6/12/2006
Toluene	560	66.1	50	6/12/2006
1,2,3-Trichlorobenzene	BQL	66.1	50	6/12/2006
1,2,4-Trichlorobenzene	BQL	66.1	50	6/12/2006
Trichloroethene	BQL	66.1	50	6/12/2006
1,1,1-Trichloroethane	BQL	66.1	50	6/12/2006
1,1,2-Trichloroethane	BQL	66.1	50	6/12/2006
Trichlorofluoromethane	BQL	66.1	50	6/12/2006
1,2,3-Trichloropropane	BQL	66.1	50	6/12/2006
1,2,4-Trimethylbenzene	276	66.1	50	6/12/2006
1,3,5-Trimethylbenzene	80.0	66.1	50	6/12/2006
Vinyl chloride	BQL	66.1	50	6/12/2006
m-,p-Xylene	811	132	50	6/12/2006
o-Xylene	196	66.1	50	6/12/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	10.7	106
1,2-Dichloroethane-d4	10	11.4	114
Toluene-d8	10	9.99	100

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.

Reviewed By:



**Results for Volatiles  
by GCMS 8260-5035**

Client Sample ID: SB-3  
Client Project ID: RSC  
Lab Sample ID G132-1558-3A  
Lab Project ID: G132-1558  
Report Basis: Dry Weight

Analyzed By: MJC  
Date Collected: 06-01-2006 13:55  
Date Received: 6/2/2006  
Matrix: Soil  
%Solids: 96.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
Acetone	BQL	59.3	1	6/9/2006
Benzene	BQL	5.93	1	6/9/2006
Bromobenzene	BQL	5.93	1	6/9/2006
Bromochloromethane	BQL	5.93	1	6/9/2006
Bromodichloromethane	BQL	5.93	1	6/9/2006
Bromoform	BQL	5.93	1	6/9/2006
Bromomethane	BQL	5.93	1	6/9/2006
2-Butanone	BQL	29.7	1	6/9/2006
n-Butylbenzene	BQL	5.93	1	6/9/2006
sec-Butylbenzene	BQL	5.93	1	6/9/2006
tert-Butylbenzene	BQL	5.93	1	6/9/2006
Carbon disulfide	BQL	5.93	1	6/9/2006
Carbon tetrachloride	BQL	5.93	1	6/9/2006
Chlorobenzene	BQL	5.93	1	6/9/2006
Chloroethane	BQL	5.93	1	6/9/2006
Chloroform	BQL	5.93	1	6/9/2006
Chloromethane	BQL	5.93	1	6/9/2006
2-Chlorotoluene	BQL	5.93	1	6/9/2006
4-Chlorotoluene	BQL	5.93	1	6/9/2006
Dibromochloromethane	BQL	5.93	1	6/9/2006
1,2-Dibromo-3-chloropropane	BQL	5.93	1	6/9/2006
Dibromomethane	BQL	5.93	1	6/9/2006
1,2-Dibromoethane (EDB)	BQL	5.93	1	6/9/2006
1,2-Dichlorobenzene	BQL	5.93	1	6/9/2006
1,3-Dichlorobenzene	BQL	5.93	1	6/9/2006
1,4-Dichlorobenzene	BQL	5.93	1	6/9/2006
trans-1,4-Dichloro-2-butene	BQL	5.93	1	6/9/2006
1,1-Dichloroethane	BQL	5.93	1	6/9/2006
1,1-Dichloroethene	BQL	5.93	1	6/9/2006
1,2-Dichloroethane	BQL	5.93	1	6/9/2006
cis-1,2-Dichloroethene	BQL	5.93	1	6/9/2006
trans-1,2-dichloroethene	BQL	5.93	1	6/9/2006
1,2-Dichloropropane	BQL	5.93	1	6/9/2006
1,3-Dichloropropane	BQL	5.93	1	6/9/2006
2,2-Dichloropropane	BQL	5.93	1	6/9/2006
1,1-Dichloropropene	BQL	5.93	1	6/9/2006
cis-1,3-Dichloropropene	BQL	5.93	1	6/9/2006
trans-1,3-Dichloropropene	BQL	5.93	1	6/9/2006
Dichlorodifluoromethane	BQL	5.93	1	6/9/2006
Diisopropyl ether (DIPE)	BQL	5.93	1	6/9/2006
Ethylbenzene	BQL	5.93	1	6/9/2006
Hexachlorobutadiene	BQL	5.93	1	6/9/2006



**Results for Volatiles  
by GCMS 8260-5035**

Client Sample ID: SB-3  
 Client Project ID: RSC  
 Lab Sample ID G132-1558-3A  
 Lab Project ID: G132-1558  
 Report Basis: Dry Weight

Analyzed By: MJC  
 Date Collected: 06-01-2006 13:55  
 Date Received: 6/2/2006  
 Matrix: Soil  
 %Solids: 96.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	Dilution Factor	Date Analyzed
2-Hexanone	BQL	5.93	1	6/9/2006
Iodomethane	14.5	5.93	1	6/9/2006
Isopropylbenzene	BQL	5.93	1	6/9/2006
4-Isopropyltoluene	BQL	5.93	1	6/9/2006
Methylene chloride	BQL	23.7	1	6/9/2006
4-Methyl-2-pentanone	BQL	5.93	1	6/9/2006
Methyl-tert-butyl ether (MTBE)	BQL	5.93	1	6/9/2006
Naphthalene	BQL	5.93	1	6/9/2006
n-Propyl benzene	BQL	5.93	1	6/9/2006
Styrene	BQL	5.93	1	6/9/2006
1,1,1,2-Tetrachloroethane	BQL	5.93	1	6/9/2006
1,1,2,2-Tetrachloroethane	BQL	5.93	1	6/9/2006
Tetrachloroethene	BQL	5.93	1	6/9/2006
Toluene	BQL	5.93	1	6/9/2006
1,2,3-Trichlorobenzene	BQL	5.93	1	6/9/2006
1,2,4-Trichlorobenzene	BQL	5.93	1	6/9/2006
Trichloroethene	BQL	5.93	1	6/9/2006
1,1,1-Trichloroethane	BQL	5.93	1	6/9/2006
1,1,2-Trichloroethane	BQL	5.93	1	6/9/2006
Trichlorofluoromethane	BQL	5.93	1	6/9/2006
1,2,3-Trichloropropane	BQL	5.93	1	6/9/2006
1,2,4-Trimethylbenzene	BQL	5.93	1	6/9/2006
1,3,5-Trimethylbenzene	BQL	5.93	1	6/9/2006
Vinyl chloride	BQL	5.93	1	6/9/2006
m-,p-Xylene	BQL	11.9	1	6/9/2006
o-Xylene	BQL	5.93	1	6/9/2006

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	40.3	81
1,2-Dichloroethane-d4	50	60.1	120
Toluene-d8	50	48.9	98

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.

Reviewed By: End



## List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

### Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.



**Results for Total Petroleum Hydrocarbons**  
by GC/FID 8015

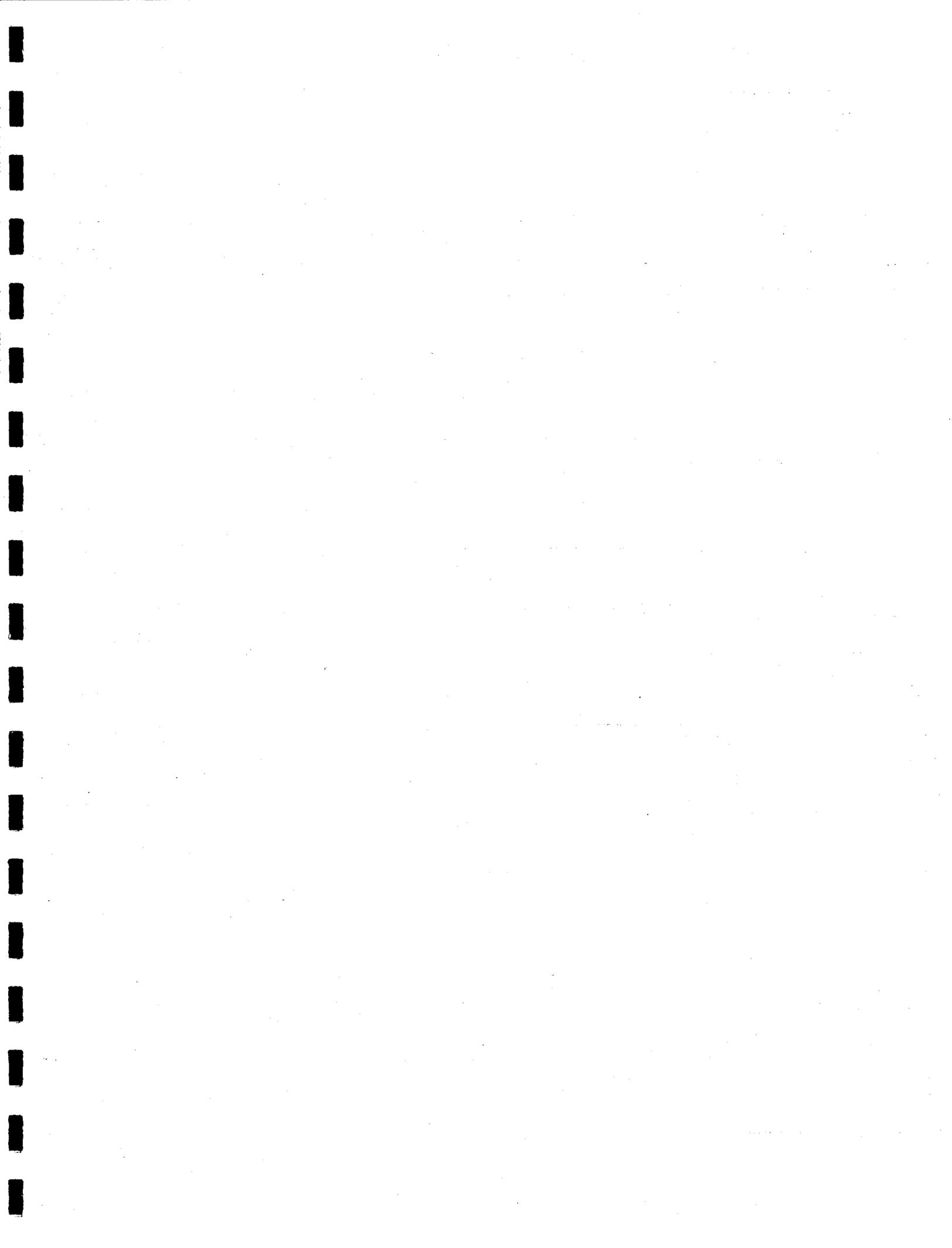
Client Sample ID: SB-1  
 Client Project ID: RSC  
 Lab Sample ID: G132-1572-1  
 Lab Project ID: G132-1572  
 Report Basis: Dry Weight

Analyzed By: MJC  
 Date Collected: 6/1/2006 11:55  
 Date Received: 6/2/2006  
 Matrix: Soil  
 Solids 79.29

Analyte	Result MG/KG	RL MG/KG	Prep Method	Dilution Factor	Date Analyzed
Gasoline Range Organics	185	8.56	5035	2	06/21/06
Diesel Range Organics	325	7.76	3541	1	06/20/06

Reviewed By:   
 TPH\_LIMS\_v2.0







Mr. Chris Pruneau  
Mactec  
5710 Oleander Drive  
Suite 110  
Wilmington NC 28403  
Report Number: G132-1910

Client Project: RSC-Wilmington  
Report Revised: June 11, 2008

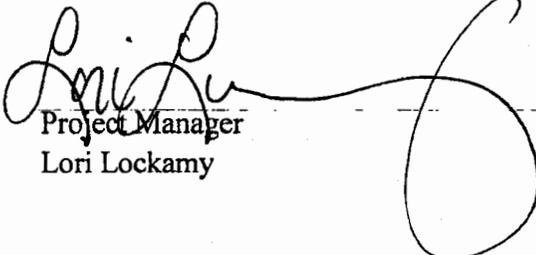
Dear Mr. Pruneau:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,  
SGS Environmental Services, Inc.

  
Project Manager  
Lori Lockamy

6/11/08  
Date



**Results for Volatiles  
by GCMS 8260B**

Client Sample ID: MW-1  
Client Project ID: RSC-Wilmington  
Lab Sample ID: G132-1910-1A  
Lab Project ID: G132-1910

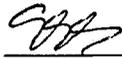
Analyzed By: CLP  
Date Collected: 5/30/2008 11:40  
Date Received: 5/30/2008  
Matrix: Water  
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Tetrachloroethene	3.17	1.00	1	6/9/2008
		<b>Spike Added</b>	<b>Spike Result</b>	<b>Percent Recovered</b>
1,2-Dichloroethane-d4		10	10.7	107
Toluene-d8		10	10.5	105
4-Bromofluorobenzene		10	10.3	103

Comments:

Flags:

Analyst: 3/

Reviewed By: 









Results for Volatiles  
by GCMS 8260B

Client Sample ID: Method Blank  
Client Project ID:  
Lab Sample ID: VBLK1060908B  
Lab Project ID:

Analyzed By: CLP  
Date Collected:  
Date Received:  
Matrix: Water  
Sample Amount: 5 mL

Compound	Result UG/L	Quantitation Limit UG/L	Dilution Factor	Date Analyzed
Tetrachloroethene	BQL	1.00	1	6/9/2008
		<b>Spike Added</b>	<b>Spike Result</b>	<b>Percent Recovered</b>
1,2-Dichloroethane-d4		10	10.7	106
Toluene-d8		10	10.2	102
4-Bromofluorobenzene		10	10.1	101

Comments:

Flags:

BQL = Below Quantitation Limits.

Analyst: 3/

Reviewed By: [Signature]



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919 Case No.:

SAS No.:

SDG No:

Matrix: (soil/water) Water

Lab Sample ID: LCS1060908a

Sample wt/vol: 5.00 (mL)

Lab File ID: 0609103.D

Level: (low/med) NA

Date Analyzed: 2008-06-09 10:02

% Moisture: not dec. NA

Dilution Factor: 1

GC Column: DB-624 ID: 0.2 (mm)

Soil Aliquot Volume: NA

Soil Extract Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
67-64-1	acetone	25.0	26.5	106	23.5-141
107-02-8	acrolein	125	150	120	31.4-182
107-13-1	acrylonitrile	125	142	114	64.2-140
71-43-2	benzene	5.00	5.42	108	76.6-120
108-86-1	bromobenzene	5.00	5.13	103	75.0-122
74-97-5	bromochloromethane	5.00	5.65	113	74.8-127
75-27-4	bromodichloromethane	5.00	5.56	111	76.4-117
75-25-2	bromoform	5.00	5.40	108	62.4-127
74-83-9	bromomethane	5.00	5.42	108	34.2-166
78-93-3	2-butanone	25.0	28.3	113	44.9-126
104-51-8	n-butylbenzene	5.00	5.13	103	72.0-122
135-98-8	sec-butylbenzene	5.00	4.93	98.6	78.3-116
98-06-6	tert-butylbenzene	5.00	4.32	86.4	53.1-148
75-15-0	Carbon disulfide	5.00	5.65	113	69.0-118
56-23-5	carbon tetrachloride	5.00	5.80	116	71.7-124
108-90-7	chlorobenzene	5.00	4.99	99.8	75.5-116
75-00-3	chloroethane	5.00	5.91	118	78.2-138
110-75-8	2-chloroethyl vinyl ether	125	128	102	5.57-235
67-66-3	chloroform	5.00	5.56	111	80.6-117
74-87-3	chloromethane	5.00	4.92	98.4	72.6-127
95-49-8	2-chlorotoluene	5.00	5.12	102	81.4-117
106-43-4	4-chlorotoluene	5.00	5.15	103	82.1-116
124-48-1	dibromochloromethane	5.00	5.52	110	73.1-117
96-12-8	1,2-dibromo-3-chloropropane	25.0	27.2	109	58.0-133
106-93-4	1,2-dibromomethane	5.00	5.38	108	75.5-118
74-95-3	dibromomethane	5.00	5.75	115	77.3-124
95-50-1	1,2-dichlorobenzene	5.00	5.21	104	76.3-115
541-73-1	1,3-dichlorobenzene	5.00	5.14	103	79.1-114
106-46-7	1,4-dichlorobenzene	5.00	5.20	104	76.8-115
110-57-6	trans-1,4-Dichloro-2-butene	25.0	24.3	97.3	52.3-130
75-71-8	dichlorodifluoromethane	5.00	5.71	114	69.8-134
75-34-3	1,1-dichloroethane	5.00	5.53	111	78.0-120
107-06-2	1,2-dichloroethane	5.00	5.81	116	72.8-126
75-35-4	1,1-dichloroethene	5.00	5.59	112	74.6-121
156-59-2	cis-1,2-dichloroethene	5.00	5.46	109	78.0-121
156-60-5	trans-1,2-dichloroethene	5.00	5.41	108	60.7-144
78-87-5	1,2-dichloropropane	5.00	5.51	110	75.8-119
142-28-9	1,3-dichloropropane	5.00	5.16	103	78.5-113
594-20-7	2,2-dichloropropane	5.00	5.82	116	75.6-130
563-58-6	1,1-dichloropropene	5.00	5.61	112	79.7-117
10061-01-5	cis-1,3-dichloropropene	5.00	5.58	112	79.8-113



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919 Case No.:

SAS No.:

SDG No:

Matrix: (soil/water) Water

Lab Sample ID: LCS1060908a

Sample wt/vol: 5.00 (mL)

Lab File ID: 0609103.D

Level: (low/med) NA

Date Analyzed: 2008-06-09 10:02

% Moisture: not dec. NA

Dilution Factor: 1

GC Column: DB-624 ID: 0.2 (mm)

Soil Extract Volume: NA

Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
10061-02-6	trans-1,3-dichloropropene	5.00	5.71	114 *	79.0-113
108-20-3	Diisopropyl ether	5.00	5.49	110	71.8-115
100-41-4	ethylbenzene	5.00	5.02	100	80.5-115
87-68-3	hexachlorobutadiene	5.00	5.66	113	63.3-139
591-78-6	2-hexanone	25.0	23.9	95.7	46.8-123
74-88-4	Iodomethane	5.00	4.81	96.2	29.3-156
98-82-8	isopropylbenzene	5.00	5.05	101	81.6-114
99-87-6	4-isopropyltoluene	5.00	5.05	101	78.4-119
1634-04-4	Methyl-tert-butyl ether	5.00	5.81	116 *	76.0-114
75-09-2	methylene chloride	5.00	5.62	112	72.9-120
108-10-1	4-methyl-2-pentanone	25.0	28.7	115	56.2-124
91-20-3	naphthalene	5.00	6.14	123	24.8-182
103-65-1	n-propyl benzene	5.00	5.05	101	79.0-116
100-42-5	styrene	5.00	5.01	100	64.8-132
630-20-6	1,1,1,2-tetrachloroethane	5.00	5.30	106	78.8-118
79-34-5	1,1,2,2-tetrachloroethane	5.00	5.55	111	69.7-119
127-18-4	tetrachloroethene	5.00	4.94	98.8	55.3-144
108-88-3	toluene	5.00	5.50	110	78.6-117
87-61-6	1,2,3-trichlorobenzene	5.00	6.16	123	20.8-193
120-82-1	1,2,4-trichlorobenzene	5.00	5.43	108	47.9-150
71-55-6	1,1,1-trichloroethane	5.00	5.70	114	78.8-120
79-00-5	1,1,2-trichloroethane	5.00	5.17	103	73.6-117
79-01-6	trichloroethene	5.00	5.47	109	80.1-116
75-69-4	trichlorofluoromethane	5.00	6.90	138 *	80.5-130
96-18-4	1,2,3-trichloropropane	5.00	5.37	107	35.6-152
95-36-3	1,2,4-trimethylbenzene	5.00	5.17	103	77.0-116
108-67-8	1,3,5-trimethylbenzene	5.00	5.15	103	79.4-114
108-05-4	Vinyl acetate	12.5	12.3	98.6	60.7-127
75-01-4	vinyl chloride	5.00	5.46	109	77.5-126
108-38-3	m/p-xylene	10.0	10.1	101	82.9-112
95-47-6	o-xylene	5.00	5.11	102	81.3-113

System Monitoring Compound Results

		Spike Added (µg/L)	Spike Result (µg/L)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	10	10.0	102	84.7-115
17060-07-0	1,2-Dichloroethane-d4	10	11.0	110	63.5-140
2037-26-5	Toluene-d8	10	10.0	104	81.8-117

Analyst: 3/

Reviewed by: [Signature]



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Inst: MSD1

Lab Code: NC00919

Batch: 1060908

EPA Sample No.: g132-1910-1b, g132-1910-1b, g132-1910-1b

Dilution: 100

FileNames: 0609120.D, 0609122.D, 0609123.D

Matrix: Water

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS	
									RPD	REC
acetone	BQL	2500	2550	102*	2500	2500	100*	2.10	30	17.7-85.2
acrolein	BQL	12500	14200	114	12500	14600	117	3.03	30	0.00-424
acrylonitrile	BQL	12500	13700	109	12500	14500	116	6.15	30	85.0-175
benzene	BQL	500	552	110	500	540	108	2.20	30	61.6-135
bromobenzene	BQL	500	519	104	500	516	103	0.580	30	65.1-125
bromochloromethane	BQL	500	586	117	500	564	113	3.83	30	75.5-126
bromodichloromethane	BQL	500	580	116	500	563	113	2.97	30	74.3-123
bromoform	BQL	500	525	105	500	513	103	2.31	30	52.3-122
bromomethane	BQL	500	317	63.4	500	414	82.8	26.5	30	10.0-284
2-butanone	BQL	2500	2780	111*	2500	2730	109*	1.82	30	36.1-107
n-butylbenzene	BQL	500	515	103	500	496	99.2	3.76	30	70.2-124
sec-butylbenzene	BQL	500	508	102	500	498	99.6	1.99	30	62.0-133
tert-butylbenzene	BQL	500	450	90.0	500	422	84.4	6.42	30	73.5-121
Carbon disulfide	BQL	500	569	114	500	553	111	2.85	30	68.8-129
carbon tetrachloride	BQL	500	587	117	500	565	113	3.82	30	71.8-122
chlorobenzene	BQL	500	495	99.0	500	494	98.8	0.202	30	77.2-118
chloroethane	BQL	500	627	125	500	640	128	2.05	30	10.0-233
2-chloroethyl vinyl ether	BQL	1250	5940	475*	1250	5610	448*	5.82	30	16.7-283
chloroform	BQL	500	553	111	500	553	111	0.00	30	74.0-128
chloromethane	BQL	500	471	94.2	500	508	102	7.56	30	72.0-138
2-chlorotoluene	BQL	500	518	104	500	515	103	0.581	30	79.3-118
4-chlorotoluene	BQL	500	522	104	500	511	102	2.13	30	76.8-120
dibromochloromethane	BQL	500	547	109	500	523	105	4.48	30	69.0-117
1,2-dibromo-3-chloropropane	BQL	2500	2860	114	2500	2780	111	2.91	30	20.2-171
1,2-dibromomethane	BQL	500	522	104	500	520	104	0.384	30	78.5-123
dibromomethane	BQL	500	576	115	500	548	110	4.98	30	71.3-137
1,2-dichlorobenzene	BQL	500	536	107	500	513	103	4.38	30	75.1-120
1,3-dichlorobenzene	BQL	500	521	104	500	502	100	3.71	30	73.1-121
1,4-dichlorobenzene	BQL	500	531	106	500	506	101	4.82	30	74.8-118
trans-1,4-Dichloro-2-butene	BQL	2500	1860	74.3	2500	1940	77.6	4.32	30	25.7-149
dichlorodifluoromethane	BQL	500	563	113	500	609	122	7.85	30	41.7-166
1,1-dichloroethane	BQL	500	569	114	500	552	110	3.03	30	75.6-128
1,2-dichloroethane	BQL	500	618	124	500	593	119	4.13	30	71.1-127
1,1-dichloroethene	BQL	500	540	108	500	533	107	1.30	30	64.4-130
cis-1,2-dichloroethene	BQL	500	555	111	500	543	108	2.18	30	72.7-134
trans-1,2-dichloroethene	BQL	500	566	113	500	533	107	6.00	30	74.6-124
1,2-dichloropropane	BQL	500	571	114	500	549	110	3.93	30	76.5-129
1,3-dichloropropane	BQL	500	521	104	500	500	100	4.11	30	79.1-121
2,2-dichloropropane	BQL	500	575	115	500	545	109	5.36	30	31.5-157
1,1-dichloropropene	BQL	500	578	116	500	533	107	8.10	30	72.5-120
cis-1,3-dichloropropene	BQL	500	549	110	500	542	108	1.28	30	66.6-132

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Inst: MSD1

Lab Code: NC00919

Batch: 1060908

EPA Sample No.: g132-1910-1b, g132-1910-1b, g132-1910-1b

Dilution: 100

FileNames: 0609120.D, 0609122.D, 0609123.D

Matrix: Water

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS	
									RPD	REC
trans-1,3-dichloropropene	BQL	500	520	104	500	502	100	3.52	30	44.7-144
Diisopropyl ether	BQL	500	550	110	500	535	107	2.76	30	79.4-122
ethylbenzene	BQL	500	516	103	500	492	98.4	4.76	30	73.8-126
hexachlorobutadiene	BQL	500	507	101	500	505	101	0.395	30	51.8-134
2-hexanone	BQL	2500	2430	97.3	2500	2300	91.9	5.71	30	41.6-111
Iodomethane	BQL	500	342	68.4	500	406	81.2	17.1	30	40.6-126
isopropylbenzene	BQL	500	518	104	500	493	98.6	4.94	30	74.3-123
4-isopropyltoluene	BQL	500	517	103	500	498	99.6	3.74	30	74.6-122
Methyl-tert-butyl ether	BQL	500	583	117	500	549	110	6.01	30	66.5-136
methylene chloride	BQL	500	554	111	500	542	108	2.19	30	48.6-155
4-methyl-2-pentanone	BQL	2500	2830	113	2500	2720	109	4.14	30	6.88-166
naphthalene	BQL	500	475	95.0	500	500	100	5.13	30	55.1-140
n-propyl benzene	BQL	500	506	101	500	496	99.2	2.00	30	71.6-128
styrene	BQL	500	512	102	500	498	99.6	2.77	30	73.2-123
1,1,1,2-tetrachloroethane	BQL	500	537	107	500	528	106	1.69	30	69.4-120
1,1,2,2-tetrachloroethane	BQL	500	527	105	500	541	108	2.62	30	75.7-136
tetrachloroethene	BQL	500	499	99.8	500	486	97.2	2.64	30	45.8-153
toluene	BQL	500	554	111	500	530	106	4.43	30	66.4-128
1,2,3-trichlorobenzene	BQL	500	479	95.8	500	477	95.4	0.418	30	61.0-126
1,2,4-trichlorobenzene	BQL	500	494	98.8	500	494	98.8	0.00	30	60.6-125
1,1,1-trichloroethane	BQL	500	594	119	500	570	114	4.12	30	78.4-121
1,1,2-trichloroethane	BQL	500	530	106	500	492	98.4	7.44	30	64.8-128
trichloroethene	BQL	500	554	111	500	534	107	3.68	30	84.9-136
trichlorofluoromethane	BQL	500	561	112	500	749	150*	28.7	30	76.8-132
1,2,3-trichloropropane	836	500	-383	-76.6*	500	-390	-78.0*	1.81	30	10.0-218
1,2,4-trimethylbenzene	BQL	500	526	105	500	522	104	0.763	30	31.0-172
1,3,5-trimethylbenzene	BQL	500	527	105	500	514	103	2.50	30	67.7-132
Vinyl acetate	BQL	1250	1370	110	1250	1290	103	6.32	30	0.00-355
vinyl chloride	BQL	500	522	104	500	568	114	8.44	30	68.1-137
m/p-xylene	BQL	1000	1020	102	1000	996	99.6	2.58	30	79.8-118
o-xylene	BQL	500	516	103	500	496	99.2	3.95	30	80.0-121

System Monitoring Compound Results

		MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	QC LIMITS REC
460-00-4	4-Bromofluorobenzene	10	10.5	105	10	10.55	105	84.7-115
17060-07-0	1,2-Dichloroethane-d4	10	11.22	112	10	11.49	115	63.5-140
2037-26-5	Toluene-d8	10	10.46	105	10	10.47	105	81.8-117

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

MS Spike Recovery: 2 failure(s) out of 72. MSD Spike Recovery: 2 failure(s) out of 72.

RPD: 0 out of 72 outside of limits

COMMENTS:

Analyst: 3/

Reviewed by: [Signature]



**APPENDIX E**  
**BORING LOGS AND LITHOLOGIC**  
**DESCRIPTIONS**

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: 6550080476	PROJECT NAME: RSC
BORING NUMBER: MW-1	COORDINATES: SEE SITE MAP
ELEVATION: 95.81*	GWL: 16.29' TOC      DATE: 5/30/08
GEOLOGIST/ENGINEER: C. Gandy	DATE STARTED: 5/27/08
DRILLING METHODS: Geoprobe (DPT)	DATE COMPLETED: 5/27/08

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
0.5	NA	NA	0 - 0.5 feet / Dry, Brown to Light Gray, SILT	ML	
1.5	NA	NA	0.5 - 1.5 feet / Dry, Dark Brown, silty fine SAND	SM	
-5					
-10					
14.5	NA	NA	1.5 - 14.5 feet / Moist, Light Brown, fine SAND	SP	
-15	NA	NA	14.5 - 15 feet / Moist, Black fine SAND with silt	SM	
-20					

**Notes:**

\* = Assumed benchmark of 100.0'

TOC = Top of Casing

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>MW-1</b>	COORDINATES: <b>SEE SITE MAP</b>
ELEVATION: <b>95.81*</b>	GWL: <b>16.29' TOC</b> DATE: <b>5/30/08</b>
GEOLOGIST/ENGINEER: <b>C. Gandy</b>	DATE STARTED: <b>5/27/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>5/27/08</b> PAGE 2 OF 2

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
-25	NA	NA	15 - 25 feet / Moist, Brown, fine to med. SAND	SP	
			Boring terminated at 25.0 feet below ground surface.		
-30					
-35					
-40					

**Notes:**

\* = Assumed benchmark of 100.0'

TOC = Top of Casing

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: 6550080476	PROJECT NAME: RSC
BORING NUMBER: MW-2	COORDINATES: SEE SITE MAP
ELEVATION: 94.32*	GWL: 16.03' TOC      DATE: 5/30/08
GEOLOGIST/ENGINEER: C. Gandy	DATE STARTED: 5/27/08
DRILLING METHODS: Geoprobe (DPT)	DATE COMPLETED: 5/27/08

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
0.5	NA	NA	0 - 0.5 feet / Dry, Brown to Light Gray, SILT	ML	
1.5	NA	NA	0.5 - 1.5 feet / Dry, Dark Brown, silty fine SAND	SM	
-5					
-10					
14.5	NA	NA	1.5 - 14.5 feet / Moist, Light Brown, fine SAND	SP	
-15	NA	NA	14.5 - 15 feet / Moist, Black fine SAND with silt	SM	
-20					

**Notes:**

\* = Assumed benchmark of 100.0'

TOC = Top of Casing

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>MW-2</b>	COORDINATES: <b>SEE SITE MAP</b>
ELEVATION: <b>94.32*</b>	GWL: <b>16.03' TOC</b> DATE: <b>5/30/08</b>
GEOLOGIST/ENGINEER: <b>C. Gandy</b>	DATE STARTED: <b>5/27/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>5/27/08</b> PAGE 2 OF 2

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
-25	NA	NA	15 - 25 feet / Moist, Brown, fine to med. SAND  Boring terminated at 25.0 feet below ground surface.	SP	
-30					
-35					
-40					

**Notes:**  
 \* = Assumed benchmark of 100.0'  
 TOC = Top of Casing

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>MW-3</b>	COORDINATES <b>SEE SITE MAP</b>
ELEVATION: <b>96.47*</b>	GWL: <b>17.92' TOC</b> DATE: <b>5/30/08</b>
GEOLOGIST/ENGINEER: <b>C. Gandy</b>	DATE STARTED: <b>5/27/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>5/27/08</b> PAGE 1 OF 2

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
0.5	NA	NA	0 - 0.5 feet / Dry, Brown to Light Gray, SILT	ML	
1.5	NA	NA	0.5 - 1.5 feet / Dry, Dark Brown, silty fine SAND	SM	
-5					
-10					
14.5	NA	NA	1.5 - 14.5 feet / Moist, Light Brown, fine SAND	SP	
-15	NA	NA	14.5 - 15 feet / Moist, Black fine SAND with silt	SM	
-20					

**Notes:**  
\* = Assumed benchmark of 100.0'  
TOC = Top of Casing

**MACTEC ENGINEERING AND CONSULTING, INC.**

5710 OLEANDER DRIVE, SUITE 110  
WILMINGTON, NORTH CAROLINA 28403

**MONITORING WELL BORING LOG**

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>MW-3</b>	COORDINATES <b>SEE SITE MAP</b>
ELEVATION: <b>96.47*</b>	GWL: <b>17.92' TOC</b> DATE: <b>5/30/08</b>
GEOLOGIST/ENGINEER: <b>C. Gandy</b>	DATE STARTED: <b>5/27/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>5/27/08</b> PAGE 2 OF 2

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
-25	NA	NA	15 - 25 feet / Moist, Brown, fine to med. SAND  Boring terminated at 25.0 feet below ground surface.	SP	
-30					
-35					
-40					

**Notes:**

\* = Assumed benchmark of 100.0'

TOC = Top of Casing

# MACTEC ENGINEERING, INC.

5710 OLEANDER DR.  
SUITE 110  
WILMINGTON, NC 28403  
(910) 452-1185

## SOIL BORING LOGS

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>TMW-1</b>	COORDINATES: <b>SEE SITE MAP</b>
ELEVATION: <b>NA</b>	GWL: <b>16.01'</b> DATE: <b>3/6/08</b>
GEOLOGIST/ENGINEER: <b>WJM</b>	DATE STARTED: <b>3/6/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>3/6/08</b> PAGE 1 OF 1

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
			(0.0' - 0.5') Concrete		
-5			(0.5'-11.5') Brown fine to med SAND (Fill)	sp	
-10			(11.5'-12.5') Light Brown fine to med SAND	sp	
-15			(12.5' - 20.0') Light Brown to Tan fine to med SAND	sp	
-18					
Boring Terminated at 20.0 feet					

NOTES:

# MACTEC ENGINEERING, INC.

5710 OLEANDER DR.  
SUITE 110  
WILMINGTON, NC 28403  
(910) 452-1185

## SOIL BORING LOGS

PROJECT NUMBER: <b>6550080476</b>	PROJECT NAME: <b>RSC</b>
BORING NUMBER: <b>TMW-2</b>	COORDINATES: <b>SEE SITE MAP</b>
ELEVATION: <b>NA</b>	GWL: <b>15.66'</b> DATE: <b>3/6/08</b>
GEOLOGIST/ENGINEER: <b>WJM</b>	DATE STARTED: <b>3/6/08</b>
DRILLING METHODS: <b>Geoprobe (DPT)</b>	DATE COMPLETED: <b>3/6/08</b> PAGE 1 OF 1

SAMPLE DEPTH (FT)	BLOWS ON SAMPLER PER 6 IN.	REC (IN)	DESCRIPTION	USCS SYMBOL	REMARKS
			(0.0' - 5.5") Concrete		
			(5.5"-1.0') Dark gray to black fine to meduim SAND	sp	
-5			(1.0'-6.0') Brown fine to medium SAND	sp	
				sp	
-10			(6.0'-14.0') Orange fine to mediaum SAND	sp	
-15			(14.0' - 15.0') Tan fine SAND, wet	sp	
-18					
			Boring Terminated at 19.0 feet		

NOTES:

**APPENDIX F**  
**WELL CONSTRUCTION RECORDS**  
**(SEE TABLE B-7)**

**APPENDIX G**  
**RECEPTOR SURVEY DATA**  
**(PROPERTIES WITHIN 500 FOOT RADIUS)**

# New Hanover County

[NHC Tax Home](#) > [Register of Deeds Home](#)

[Home](#) [Property Records](#)

[Owner](#) [Address](#) [Parcel ID](#) [Advanced](#)

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-004-001-000**  
**MACRIS SPIRO J**

### Parcel

Alt ID 311816.72.8994.000  
 Address 1019 N 3RD ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6012  
 Class COM-Commercial  
 Land Use Code 958-Unused Land  
 Living Units 1  
 Acres .3986  
 Zoning CBD-CENTRAL BUSINESS DIS

1019 3RD ST N

CURRENT RECORD

1 of 1

[Return to Search Results](#)

[Printable Summary](#)

[Printable Version](#)

### Legal

Legal Description (0.40 ACRES) W END 1 W 1/2 2/3 M 2 BLK 318  
 Tax District WM

### Owners

Owner MACRIS SPIRO J  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28403

The data is from 2008

Data Copyright New Hanover County [Disclaimer] [Privacy Policy] Last Updated: 29 Sep 2008

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12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

**Incident Number:** 11710      **Incident Name:** Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

**Please Provide the Following Information (to the best of your knowledge)**

Name and telephone number of person completing the survey SPIRO MACRIS 910-256-9163  
 Address of property receiving survey 1019 N. 8th St  
 City WILMINGTON County NEW HANOVER NC

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)** There is no source of water at this property.  
There is no building on the property.

Is there a water supply well on this property? Yes  **No**  If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking**  **Irrigation**  **Swimming Pool**   
**Water Livestock**  **Other (specify)**  **You do not use the Well**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?      Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)  
 Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than **October 17, 2008**  
 using one of the following methods:

1. Fax to 910-791-1338  
 2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403  
 3. Telephone 910-452-1185 ext.22  
 4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

2

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-004-005-000**  
**WILM UNION BUS STATION CORP**

**201 HARNETT ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311816.72.8680.000  
 Address                201 HARNETT ST  
 Unit  
 City                    WILMINGTON  
 Zip Code  
 Neighborhood        6012  
 Class                   COM-Commercial  
 Land Use Code        411-Motor Vehicles - Transit  
 Living Units  
 Acres                   1.198  
 Zoning                 CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description     (1.20 ACRES) PT BLK 304 & 318 REDEV PCL  
 Tax District           WM

**Owners**

Owner                   WILM UNION BUS STATION CORP  
 City                    RALEIGH  
 State                    NC  
 Country  
 Zip                      27601

The data is from 2008

Data Copyright New Hanover County [Disclaimer] [Privacy Policy] Last Updated: 29 Sep 2008

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(2)

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

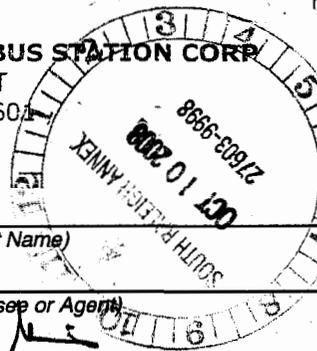
I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: 7007 1490 0000 4674 2986

**WILM UNION BUS STATION CORP**  
 1201 BLOUNT ST  
 RALEIGH NC 27601



4b. Service Type

Registered  Certified

Express Mail  Insured

Return Receipt for Merchandise  COD

7. Date of Delivery: 10-10-08

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)  
 X *Edwell. Mc*

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

7007 1490 0000 4674 2986

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$ .42	Postmark Here
Certified Fee	2.65	
Return Receipt Fee (Endorsement Required)	2.15	
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$ 5.32</b>	

Sent To: *Wilm Union Bus Station Corp*  
 Street, Apt. No., or PO Box No.: *1201 Blount St*  
 City, State, ZIP+4: *Raleigh, NC 27601*

PS Form 3800, August 2008 See Reverse for Instructions

3

| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-002-004-000**  
**ZEPHYR LAND HOLDINGS LLC**

**111 COWAN ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID 311816.73.7325.000  
 Address 111 COWAN ST  
 Unit  
 City WILMINGTON  
 Zip Code -  
 Neighborhood 6012  
 Class IND-Industrial  
 Land Use Code 411-Motor Vehicles - Transit  
 Living Units  
 Acres 6.2957  
 Zoning LM-LIGHT INDUSTRIAL

Printable Summary

Printable Version

### Legal

Legal Description (6.30ACRES)URBAN RENEWAL PARCEL 119 & PT OF OLD N FRONT ST  
 Tax District WM

### Owners

Owner ZEPHYR LAND HOLDINGS LLC  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28401

The data is from 2008

Data Copyright New Hanover County [Disclaimer] [Privacy Policy] Last Updated: 29 Sep 2008

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Is your RETURN ADDRESS completed on the reverse side?

**SEND**

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

7007 1490 0000 4674 3112

**ZEPHYR LAND HOLDINGS LLC**  
720 N 3RD ST SUITE 202  
WILMINGTON NC 28401

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

*Jean Hall*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

*X Jean Hall*

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

7007 1490 0000 4674 3112

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)®

**OFFICIAL USE**

Postage	\$ .42
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.32

Postmark Here

Sent To: **ZEPHYR LAND HOLDINGS LLC**

Street: 720 N 3RD ST SUITE 202

or PO Box: WILMINGTON NC 28401

City, St:

PS Form 3800, August 2006

See Reverse for Instructions

4

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-003-001-000**  
**RIVER VENTURES LLC**

**0 2ND ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311815.72.4752.000  
 Address                0 N 2ND ST  
 Unit  
 City                     WILMINGTON  
 Zip Code               -  
 Neighborhood        6012  
 Class                    IND-Industrial  
 Land Use Code        752-Auto Parking  
 Living Units  
 Acres                    2.9785  
 Zoning                  LM-LIGHT INDUSTRIAL

Printable Summary

Printable Version

**Legal**

Legal Description      (3.0 AC) PT BLK 303 WILM  
 Tax District            WM

**Owners**

Owner                    RIVER VENTURES LLC  
 City                      WILMINGTON  
 State                     NC  
 Country  
 Zip                        28412

The data is from 2008

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.	
Incident Number: 11710	Incident Name: Prime Equipment Company
(The above information is to be completed by Responsible Party or their representative)	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey <u>BOB VERDINEK 910-558-7303</u>	
Address of property receiving survey <u>929 N. FRONT ST. R04712.003.001.000</u>	
City <u>WILMINGTON</u>	County <u>NEW HANOVER</u>
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) <input type="checkbox"/> You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	
Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>MACTEC Engineering and Consulting, Inc.</u> no later than <u>October 17, 2008</u> using one of the following methods:	
1. Fax to	910-791-1338
2. Mail to	5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone	910-452-1185 ext.22
4. E-mail to	aegrosser@mactec.com
If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.	

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-003-002-000**  
**RIVER VENTURES LLC**

**1001 FRONT ST N**

**CURRENT RECORD**

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311816.72.6539.000  
 Address                1001 N FRONT ST  
 Unit  
 City                    WILMINGTON  
 Zip Code  
 Neighborhood        6012  
 Class                    IND-Industrial  
 Land Use Code        958-Unused Land  
 Living Units  
 Acres                    .2803  
 Zoning                  LM-LIGHT INDUSTRIAL

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description     LT 120 WLM WATERFRONT RENEWAL AREA  
 Tax District            WM

**Owners**

Owner                    RIVER VENTURES LLC  
 City                     WILMINGTON  
 State                    NC  
 Country  
 Zip                        28401

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12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.	
Incident Number: 11710	Incident Name: Prime Equipment Company
(The above information is to be completed by Responsible Party or their representative)	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey	BOB VERDINEK 910-558-7303
Address of property receiving survey	929 N. FRONT ST. RD#112. 003. 002. 000
City WILMINGTON	County NEW HANOVER
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes / <u>No</u> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____ You do not use the Well _____	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	Date well was installed?
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>MACTEC Engineering and Consulting, Inc.</u> no later than <u>October 17, 2008</u> using one of the following methods:	
1. Fax to	910-791-1338
2. Mail to	5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone	910-452-1185 ext.22
4. E-mail to	aegrosser@mactec.com
If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.	



# New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04716-001-013-000**  
**RIVER VENTURES LLC**

**929 FRONT ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311819.72.4002.000  
 Address                929 N FRONT ST  
 Unit  
 City                     WILMINGTON  
 Zip Code               -  
 Neighborhood        6012  
 Class                    COM-Commercial  
 Land Use Code        730-Business  
 Living Units           1  
 Acres                    7.4807  
 Zoning                  LM-LIGHT INDUSTRIAL

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description      (7.48A) TRACT T-1 ALMONT SHIPPING CO  
 Tax District            WM

**Owners**

Owner                    RIVER VENTURES LLC  
 City                      WILMINGTON  
 State                     NC  
 Country  
 Zip                        28401

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12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

**Incident Number:** 11710      **Incident Name:** Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

**Please Provide the Following Information (to the best of your knowledge)**

Name and telephone number of person completing the survey BOB VERDINE 910-558-7303  
 Address of property receiving survey 929 N. FRONT ST. 284710-001-013-000  
 City WILMINGTON County NEW HANOVER

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_, Irrigation \_\_\_\_\_, Swimming Pool \_\_\_\_\_, Water Livestock \_\_\_\_\_, Other (specify) \_\_\_\_\_, You do not use the Well \_\_\_\_\_.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? \_\_\_\_\_ Date well was installed? \_\_\_\_\_

What is the casing depth of the well(s)? \_\_\_\_\_

What is the screen interval of the well(s)? \_\_\_\_\_

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)  
 Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than October 17, 2008 using one of the following methods:

1. Fax to 910-791-1338  
 2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403  
 3. Telephone 910-452-1185 ext.22  
 4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

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# New Hanover County

NHC Tax Home > Register of Deeds Home

## Home Property Records

Owner Address Parcel ID Advanced

- ▶ Profile
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- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04712-005-005-000**  
**WILMINGTON CITY OF**

### Parcel

Alt ID 311820.72.8345.000  
 Address 922 N FRONT ST  
 Unit  
 City WILMINGTON  
 Zip Code -  
 Neighborhood 6012  
 Class GOV-Exempt Government  
 Land Use Code 821-Educational  
 Living Units  
 Acres .7284  
 Zoning CBD-CENTRAL BUSINESS DIS

922 FRONT ST N

CURRENT RECORD

1 of 1

[Return to Search Results](#)

Printable Summary

Printable Version

### Legal

Legal Description PT LTS 1-3 BLK 291 WLM  
 Tax District WM

### Owners

Owner WILMINGTON CITY OF  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28402

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New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

Owner Address Parcel ID Advanced

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- Misc. Improvements
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- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: RB4712-005-004-000  
SOUTHERN PHOTO PRINT & SUPPLY

923 3RD ST N

CURRENT RECORD

1 of 1

[Return to Search Results](#)

Parcel

Alt ID 311820.82.0401.000  
 Address 823 N 3RD ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6D10  
 Class COM-Commercial  
 Land Use Code 271-Printing & Publishing  
 Living Units 1  
 Acres .3748  
 Zoning CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

Legal

Legal Description E 1/2 1 & NE 1/4 2 BLK 291  
 Tax District WM

Owners

Owner SOUTHERN PHOTO PRINT & SUPPLY  
 City GREENSBORO  
 State NC  
 Country  
 Zip 27402

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12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.	
Incident Number: 11710	Incident Name: Prime Equipment Company
(The above information is to be completed by Responsible Party or their representative)	
Please Provide the Following Information (to the best of your knowledge)	
Name and telephone number of person completing the survey	Michael Dermatas 336 274-1541
Address of property receiving survey	923 NThird St
City	Wilmington NC
County	New Hanover
What is the source of your drinking water? <input checked="" type="radio"/> Public Water / <input type="radio"/> Water Supply Well / <input type="radio"/> Stream Intake / <input type="radio"/> Other (please explain below)	
Is there a water supply well on this property? Yes <input type="radio"/> No <input checked="" type="radio"/> If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking <input type="checkbox"/> Irrigation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Water Livestock <input type="checkbox"/> Other (specify) <input type="checkbox"/> You do not use the Well <input type="checkbox"/>	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	Date well was installed?
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>MACTEC Engineering and Consulting, Inc.</u> no later than <u>October 17, 2008</u> using one of the following methods:	
1. Fax to	910-791-1338
2. Mail to	5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone	910-452-1185 ext.22
4. E-mail to	acgrosser@mactec.com
If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.	

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[CONTACT US](#) | [HELP](#)

# New Hanover County

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[Home](#) **Property Records**  
**Owner Address Parcel ID Advanced**

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- Residential
- Commercial
- Misc. Improvements
- Permits
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- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: R04712-005-003-000  
PENTAGON HOLDINGS LLC

### Parcel

Alt ID 311620.02.0268.000  
 Address 808 N 3RD ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6010  
 Class COM-Commercial  
 Land Use Code 730-Business  
 Living Units 1  
 Acres .7529  
 Zoning CBD-CENTRAL BUSINESS DIS

909 3RD ST N CURRENT RECORD

1 of 1

[Return to Search Results](#)

Printable Summary

Printable Version

### Legal

Legal Description WPT 2/34/5 & REDEV AREA PCL #116D  
Tax District WM

### Owners

Owner PENTAGON HOLDINGS LLC  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28402

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Receptor Survey

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Appendix A  
Report Formats

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

Incident Number: 11710 Incident Name: Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey TODD TOCONIS 910 763 7500  
Address of property receiving survey 909 N. 3rd St.  
City Wilmington County New Hanover

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property? Yes  No  If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property? 6

What is the well(s) used for? (check all that apply) Drinking  Irrigation  Swimming Pool   
Water Livestock  Other (specify)  You do not use the Well

How many residences are connected to the well (list addresses below)?

N/A

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

N/A

(This part to be completed by Responsible Party or their representative)

Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than October 17, 2008 using one of the following methods:

1. Fax to 910-791-1338
2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone 910-452-1185 ext.22
4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

\*

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner Address Parcel ID Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-037-021-000**  
**NEW HAN COMMUNITY HEALTH**

**910 4TH ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID 311820.82.3236.000  
 Address 910 N 4TH ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class CHR1-Exempt Charitable - Hospital  
 Land Use Code 10-1 Fam Res  
 Living Units 1  
 Acres 2.2453  
 Zoning CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

### Legal

Legal Description LTS 1/2/3 PT LTS 4/5/6 BLK292 WLM  
 Tax District WM

### Owners

Owner NEW HAN COMMUNITY HEALTH  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28401

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner**   **Address**   **Parcel ID**   **Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-004-000**  
**LIGHTHOUSE PROP OF WILM LLC**

**1002 3RD ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID                    311816.82.1684.000  
 Address                1002 N 3RD ST  
 Unit  
 City                    WILMINGTON  
 Zip Code               -  
 Neighborhood        6010  
 Class                   COM-Commercial  
 Land Use Code        957-Vacant Floors  
 Living Units           1  
 Acres                   .3183  
 Zoning                 CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

### Legal

Legal Description      BLK 305 PT W END 2/3/4/5  
 Tax District            WM

### Owners

Owner                   LIGHTHOUSE PROP OF WILM LLC  
 City                    WILMINGTON  
 State                    NC  
 Country  
 Zip                      28412

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# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner Address Parcel ID Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: R04809-036-005-000  
MCDUFFIE MARY L ETAL

305 HARNETT ST

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID 311816.82.2636.000  
 Address 305 HARNETT ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class RES-Residential  
 Land Use Code 866-Religious Activities (Churches)  
 Living Units 1  
 Acres .1537  
 Zoning CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

### Legal

Legal Description BLK 305 PT WLTS 2-5 WILM  
 Tax District WM

### Owners

Owner ~~MCDUFFIE MARY L ETAL~~  
 City BRIDGEPORT  
 State CT  
 Country  
 Zip 06606

*Geraldine Mc Duffie*

The data is from 2008

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.	
Incident Number: 11710	Incident Name: Prime Equipment Company
(The above information is to be completed by Responsible Party or their representative)	
<b>Please Provide the Following Information (to the best of your knowledge)</b>	
Name and telephone number of person completing the survey <span style="float: right;">203</span>	
Address of property receiving survey <u>Geraldine Mc Duffie - 372-4725</u>	
City <u>Wilmington</u>	County <u>N. H</u>
What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) <u>Public water</u>	
Is there a water supply well on this property? Yes / <input checked="" type="radio"/> No If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well	
How many water supply wells are on your property?	
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____	
How many residences are connected to the well (list addresses below)?	
How deep is the well(s)?	
Date well was installed?	
What is the casing depth of the well(s)?	
What is the screen interval of the well(s)?	
Additional water supply well information:	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>MACTEC Engineering and Consulting, Inc.</u> no later than <u>October 17, 2008</u> using one of the following methods:	
1. Fax to	910-791-1338
2. Mail to	5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone	910-452-1185 ext.22
4. E-mail to	aegrosser@mactec.com
If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.	

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# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner**   **Address**   **Parcel ID**   **Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-017-000**  
**SUTTON THOMAS J**

**307 HARNETT ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311816.82.2683.000  
 Address                307 HARNETT ST  
 Unit  
 City                     WILMINGTON  
 Zip Code               -  
 Neighborhood        6013  
 Class                    COM-Commercial  
 Land Use Code        12-3 + Family Residential  
 Living Units            4  
 Acres                    .2054  
 Zoning                  CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

**Legal**

Legal Description      WM PT 3/4/5/ BLK 305  
 Tax District            WM

**Owners**

Owner                    SUTTON THOMAS J  
 City                      WILMINGTON  
 State                     NC  
 Country  
 Zip                        28412

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# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-007-000**  
**MCDUFFIE LEROY HAZEL W**

**Parcel**

ALT ID                    311816.82.3650.000  
 Address                 311 HARNETT ST  
 Unit  
 City                     WILMINGTON  
 Zip Code                -  
 Neighborhood         6013  
 Class                    COM-Commercial  
 Land Use Code         958-Unused Land  
 Living Units  
 Acres                    .174  
 Zoning                  CBD-CENTRAL BUSINESS DIS

**311 HARNETT ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

Printable Summary

Printable Version

**Legal**

Legal Description       M PT LTS 4,5 BLOCK 305 (75.5'X101')  
 Tax District             WM

**Owners**

Owner                    MCDUFFIE LEROY HAZEL W  
 City                      WILMINGTON  
 State                     NC  
 Country  
 Zip                        28401

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*Teroy + Hazel McPuffie*  
*315 Harnett St.*

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.	
<b>Incident Number:</b> 11710	<b>Incident Name:</b> Prime Equipment Company.
(The above information is to be completed by Responsible Party or their representative)	
<b>Please Provide the Following Information (to the best of your knowledge)</b>	
Name and telephone number of person completing the survey _____	
Address of property receiving survey _____	
City _____	County _____
What is the source of your drinking water? <u>Public Water</u> / Water Supply Well / Stream Intake / Other (please explain below)	
Is there a water supply well on this property? Yes/ <u>No</u> , If "No" disregard remaining questions and return survey	
Name and address of owner(s) of property with water supply well _____	
How many water supply wells are on your property? _____	
What is the well(s) used for? (check all that apply) Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____	
How many residences are connected to the well (list addresses below)? _____	
How deep is the well(s)? _____	Date well was installed? _____
What is the casing depth of the well(s)? _____	
What is the screen interval of the well(s)? _____	
Additional water supply well information: _____	
(This part to be completed by Responsible Party or their representative)	
Please return completed survey to <u>MACTEC Engineering and Consulting, Inc.</u> no later than <u>October 17, 2008</u> using one of the following methods:	
1. Fax to	910-791-1338
2. Mail to	5710 Oleander Drive, Suite 110, Wilmington, NC 28403
3. Telephone	910-452-1185 ext.22
4. E-mail to	aegrosser@mactec.com
If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.	

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| CONTACT US | HELP

# New Hanover County

[NHC Tax Home](#) > [Register of Deeds Home](#)

[Home](#) **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-013-000  
FOURTH & DAVIS LLC**

**1007 4TH ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID 311816.82.3770.000  
 Address 1007 N 4TH ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class COM-Commercial  
 Land Use Code 730-Business  
 Living Units 1  
 Acres .3226  
 Zoning CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description PT LTS 3/4 BLK 305 WILM  
 Tax District WM

**Owners**

Owner FOURTH & DAVIS LLC  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28412

The data is from 2008

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner Address Parcel ID Advanced**

- ▶ Profile
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- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-014-000**  
**FOURTH & DAVIS LLC**

**Parcel**

Alt ID 311816.82.3785.000  
 Address 314 DAVIS ST  
 Unit  
 City WILMINGTON  
 Zip Code -  
 Neighborhood 6013  
 Class RES-Residential  
 Land Use Code 958-Unused Land  
 Living Units 1  
 Acres .0652  
 Zoning CBD-CENTRAL BUSINESS DIS

**314 DAVIS ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description PT LTS 2/3 BLK 305 WILM  
 Tax District WM

**Owners**

Owner FOURTH & DAVIS LLC  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28412

The data is from 2008

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner**   **Address**   **Parcel ID**   **Advanced**

- ▶ Profile
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- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-015-000**  
**FOURTH & DAVIS LLC**

**312 DAVIS ST**   **CURRENT RECORD**

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID                    311816.82.3767.000  
 Address                312 DAVIS ST  
 Unit  
 City                     WILMINGTON  
 Zip Code  
 Neighborhood        6013  
 Class                    RES-Residential  
 Land Use Code        958-Unused Land  
 Living Units            1  
 Acres                    .0502  
 Zoning                  CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

### Legal

Legal Description      BLK 305 PT EM 2/3  
 Tax District            WM

### Owners

Owner                    FOURTH & DAVIS LLC  
 City                      WILMINGTON  
 State                     NC  
 Country  
 Zip                        28412

The data is from 2008

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15  
17  
18

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

7007 1490 0000 4674 3136

**FOURTH & DAVIS LLC**  
1001 TURGOTINE LN  
WILMINGTON NC 28412

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

*[Signature]*

Thank you for using Return Receipt Service.

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

7007 1490 0000 4674 3136

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)  
For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$ 1.59	
Certified Fee	2.65	220
Return Receipt Fee (Endorsement Required)	2.15	220
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$5.49</b>	

Postmark Here

Sent To **FOURTH & DAVIS LLC**  
1001 TURGOTINE LN  
WILMINGTON NC 28412  
Street, Apt or PO Box  
City, State

PS Form 3800, August 2006

See the back of the envelope for instructions.

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

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- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: RD4809-015-004-000

SMITH JAMES E

1103 COWAN ST

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID 311818.83.2056.000  
 Address 1103 COWAN ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class RES-Residential  
 Land Use Code 10-1 Fam Res  
 Living Units 1  
 Acres .0569  
 Zoning CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

### Legal

Legal Description NE 5 WILMINGTON BLK 321  
 Tax District WM

### Owners

Owner SMITH JAMES E  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28406

The data is from 2008

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Receptor Survey

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Appendix A  
Report Formats

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

Incident Number: 11710 Incident Name: Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey James, E. Smith  
Address of property receiving survey 1103 Cowden St  
City Wilmington County New Hanover

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) Public Water

Is there a water supply well on this property? Yes  No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_, Irrigation \_\_\_\_\_, Swimming Pool \_\_\_\_\_, Water Livestock \_\_\_\_\_, Other (specify) \_\_\_\_\_, You do not use the Well \_\_\_\_\_

How many residences are connected to the well (list addresses below)?

How deep is the well(s)?

Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than October 17, 2008 using one of the following methods:

- 1. Fax to 910-791-1338
- 2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403
- 3. Telephone 910-452-1185 ext.22
- 4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

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# New Hanover County

[NHC Tax Home](#) > [Register of Deeds Home](#)

[Home](#) **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-036-016-000**  
**CHARLES FRANK JR ETAL**

**310 DAVIS ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID                    311816.82.3840.000  
 Address                310 DAVIS ST  
 Unit  
 City                    WILMINGTON  
 Zip Code  
 Neighborhood        6013  
 Class                   COM-Commercial  
 Land Use Code        866-Religious Activities (Churches)  
 Living Units  
 Acres                   .0612  
 Zoning                  CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

### Legal

Legal Description      PT LTS 1-3 BLK 305  
 Tax District            WM

### Owners

Owner                   CHARLES FRANK JR ETAL  
 City                    WILMINGTON  
 State                    NC  
 Country  
 Zip                      28401

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# New Hanover County

[NHC Tax Home](#) > [Register of Deeds Home](#)

[Home](#) [Property Records](#)

[Owner](#) [Address](#) [Parcel ID](#) [Advanced](#)

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) info
- Parcel Map

**PARID: R04809-034-002-001**  
**JONES MARY SUE**

**1019 4TH ST N**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

### Parcel

Alt ID 311816.82.4911.000  
 Address 1019 N 4TH ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class COM-Commercial  
 Land Use Code 10-1 Fam Res  
 Living Units 1  
 Acres .086  
 Zoning CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

### Legal

Legal Description PT 3 BLK 322  
 Tax District WM

### Owners

Owner JONES MARY SUE  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28401

The data is from 2008

**12. Receptor Survey**

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

**Incident Number:** 11710      **Incident Name:** Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

**Please Provide the Following Information (to the best of your knowledge)**

Name and telephone number of **person completing** the survey \_\_\_\_\_  
 Address of property receiving survey \_\_\_\_\_ NO Survey  
 City Wilmington County New Hanover

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)  
public water

Is there a water supply well on this property? Yes No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well \_\_\_\_\_

How many water supply wells are on your property? \_\_\_\_\_  
 What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_, Irrigation \_\_\_\_\_, Swimming Pool \_\_\_\_\_, Water Livestock \_\_\_\_\_, Other (specify) \_\_\_\_\_, You do not use the Well \_\_\_\_\_

How many residences are connected to the well (list addresses below)? \_\_\_\_\_

How deep is the well(s)? \_\_\_\_\_ Date well was installed? \_\_\_\_\_  
 What is the casing depth of the well(s)? \_\_\_\_\_  
 What is the screen interval of the well(s)? \_\_\_\_\_

Additional water supply well information: \_\_\_\_\_

(This part to be completed by Responsible Party or their representative)  
 Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than **October 17, 2008** using one of the following methods:

1. Fax to 910-791-1338  
 2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403  
 3. Telephone 910-452-1185 ext.22  
 4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-034-001-000**  
**HGE HOLDINGS III LLC**

**Parcel**

Alt ID  
Address  
Unit  
City  
Zip Code  
Neighborhood  
Class  
Land Use Code  
Living Units  
Acres  
Zoning

311816.82.3999.000  
1101 N 4TH ST  
  
WILMINGTON  
-  
6013  
COM-Commercial  
958-Unused Land  
1  
.3374  
CBD-CENTRAL BUSINESS DIS

1101 4TH ST N

CURRENT RECORD

1 of 1

[Return to Search Results](#)

Printable Summary

Printable Version

**Legal**

Legal Description  
Tax District

ALL 1/2 BLK 322  
WM

**Owners**

Owner  
City  
State  
Country  
Zip

HGE HOLDINGS III LLC  
WILMINGTON  
NC  
  
28412

The data is from 2008.

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

7007 1490 0000 4674 3235

**HGE HOLDINGS III LLC**  
 1001 TURGOTINE LN  
 WILMINGTON NC 28412

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X

Thank you for using Return Receipt Service.

7007 1490 0000 4674 3235

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)  
**OFFICIAL USE**

Postage	\$
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.32

Postmark Here

Sent **HGE HOLDINGS III LLC**  
 Street or PO **1001 TURGOTINE LN**  
 City **WILMINGTON NC 28412**

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[CONTACT US](#) | [HELP](#)

### New Hanover County

[NMC Tax Home](#) > [Register of Deeds Home](#)

[Home](#)

#### Property Records

Owner	Address	Parcel ID	Advanced
-------	---------	-----------	----------

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: RD4809-016-005-000  
SMITH JAMES E

1105 COWAN ST

CURRENT RECORD

1 of 1

[Return to Search Results](#)

#### Parcel

All ID 311816.83.2152.000  
 Address 1105 COWAN ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class RES-Residential  
 Land Use Code 10-1 Farm Res  
 Living Units 1  
 Acres .1802  
 Zoning CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

#### Legal

Legal Description PT E 1/2 4 WILM BLK 321  
 Tax District WM

#### Owners

Owner SMITH JAMES E  
 City WILMINGTON  
 State NC  
 Country  
 Zip 28406

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Receptor Survey

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Appendix A  
Report Formats

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

**Incident Number:** 11710      **Incident Name:** Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

**Please Provide the Following Information (to the best of your knowledge)**

Name and telephone number of person completing the survey James E. Smith  
Address of property receiving survey 1105 Cowan St.  
City Wilmington County New Hanover

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below)

Is there a water supply well on this property?  Yes / No    If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well  
James E. Smith  
P.O. Box 2432 - Wilmington, NC 28406

How many water supply wells are on your property? 1

What is the well(s) used for? (check all that apply) Drinking  Irrigation  Swimming Pool   
Water Livestock  Other (specify)  You do not use the Well

How many residences are connected to the well (list addresses below)?  
NONE

How deep is the well(s)? UNKNOWN      Date well was installed? UNKNOWN

What is the casing depth of the well(s)? UNKNOWN

What is the screen interval of the well(s)? UNKNOWN

Additional water supply well information:  
NONE

(This part to be completed by Responsible Party or their representative)  
Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than October 17, 2008  
using one of the following methods:

1. Fax to      910-791-1338  
2. Mail to      5710 Oleander Drive, Suite 110, Wilmington, NC 28403  
3. Telephone    910-452-1185 ext.22  
4. E-mail to    aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

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| CONTACT US | HELP

# New Hanover County

NHC Tax Home > Register of Deeds Home

Home Property Records

Owner    Address    Parcel ID    Advanced

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-016-003-000**  
**BRAND LLC**

**1101 COWAN ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311816.83.2033.000  
 Address                1101 COWAN ST  
 Unit  
 City                    WILMINGTON  
 Zip Code  
 Neighborhood        6013  
 Class                   COM-Commercial  
 Land Use Code        958-Unused Land  
 Living Units           1  
 Acres                   .0557  
 Zoning                 CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

**Legal**

Legal Description      PT LT 5 BLK 321 WILM  
 Tax District            WM

**Owners**

Owner                   BRAND LLC  
 City                    WILMINGTON  
 State                    NC  
 Country  
 Zip                      28412

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# New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

**Owner    Address    Parcel ID    Advanced**

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

**PARID: R04809-016-002-000**  
**BRAND LLC**

**219 DAVIS ST**

CURRENT RECORD

1 of 1

[Return to Search Results](#)

**Parcel**

Alt ID                    311816.83.1098.000  
 Address                219 DAVIS ST  
 Unit  
 City                    WILMINGTON  
 Zip Code               -  
 Neighborhood        6013  
 Class                   COM-Commercial  
 Land Use Code        958-Unused Land  
 Living Units  
 Acres                   .0479  
 Zoning                 CBD-CENTRAL BUSINESS DIS

[Printable Summary](#)

[Printable Version](#)

**Legal**

Legal Description     SE + PT EM 5 BLK 321  
 Tax District           WM

**Owners**

Owner                   BRAND LLC  
 City                    WILMINGTON  
 State                    NC  
 Country  
 Zip                      28412

The data is from 2008

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23  
24

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

Is your RETURN ADDRESS completed on the reverse side?

- SEND**
- Complete items 1 and/or 2 for additional services.
  - Complete items 3, 4a, and 4b.
  - Print your name and address on the reverse of this form so that we can return this card to you.
  - Attach this form to the front of the mailpiece, or on the back if space does not permit.
  - Write "Return Receipt Requested" on the mailpiece below the article number.
  - The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1.  Addressee's Address
2.  Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: 7007 1490 0000 4674 3143

**BRAND LLC**  
1001 TURGOTINE LN  
WILMINGTON NC 28412

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)  
*Flan*

6. Signature: (Addressee or Agent)  
*X*

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

7007 1490 0000 4674 3143

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

Postage	\$ 1.59	
Certified Fee	2.00	270
Return Receipt Fee (Endorsement Required)	2.20	220
Restricted Delivery Fee (Endorsement Required)		
<b>Total Postage &amp; Fees</b>	<b>\$ 5.49</b>	

Postmark Here

Sent To	<b>BRAND LLC</b>
Street, Ap or PO Box	1001 TURGOTINE LN
City, State	WILMINGTON NC 28412

PS Form 3800, August 2006 See Reverse for Instructions

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| CONTACT US | HELP

### New Hanover County

NHC Tax Home > Register of Deeds Home

Home **Property Records**

Owner Address Parcel ID Advanced

- ▶ Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: R04809-016-001-000  
BEANE AGNES R CUSTODIAN FOR

213 DAVIS ST

CURRENT RECORD

1 of 1

[Return to Search Results](#)

#### Parcel

Alt ID 311818.03.1160.000  
 Address 213 DAVIS ST  
 Unit  
 City WILMINGTON  
 Zip Code  
 Neighborhood 6013  
 Class RES-Residential  
 Land Use Code 958-Unused Land  
 Living Units  
 Acres .0508  
 Zoning CBD-CENTRAL BUSINESS DIS

Printable Summary

Printable Version

#### Legal

Legal Description EM 5 WILMINGTON BLK 321  
 Tax District WMA

#### Owners

Owner BEANE AGNES R CUSTODIAN FOR  
 City WRIGHTSVILLE B.  
 State NC  
 Country  
 Zip 29480

The date is from 2008

Receptor Survey

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Appendix A  
Report Formats

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

Incident Number: 11710 Incident Name: Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey MICHAEL BOSTAL (FOR AGNES BEANE)  
 Address of property receiving survey 213 DAVIS ST. 910-233-5305  
 City WILMINGTON County NEW HANOVER

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) N/A VACANT LOT

Is there a water supply well on this property? Yes  No  If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_ Irrigation \_\_\_\_\_ Swimming Pool \_\_\_\_\_  
 Water Livestock \_\_\_\_\_ Other (specify) \_\_\_\_\_ You do not use the Well \_\_\_\_\_

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)  
 Please return completed survey to MACTEC Engineering and Consulting, Inc. no later than October 17, 2008  
 using one of the following methods:

1. Fax to 910-791-1338

2. Mail to 5710 Oleander Drive, Suite 110, Wilmington, NC 28403

3. Telephone 910-452-1185 ext.22

4. E-mail to aegrosser@mactec.com

If you have any questions, please contact the consultant indicated above or the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Wilmington Office at (910) 796-7215 Liz Berg.

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| CONTACT US | HELP

### New Hanover County

[NHC Tax Home](#) > [Register of Deeds Home](#)

#### Home Property Records

[Owner](#) [Address](#) [Parcel ID](#) [Advanced](#)

- Profile
- Sales
- Residential
- Commercial
- Misc. Improvements
- Permits
- Land
- Values
- Agricultural
- Sketch
- Full Legal
- Exemptions
- Original Parcel Info
- Sub-parcel(s) Info
- Parcel Map

PARID: R04809-015-001-000  
NC DEPT OF TRANSPORTATION

#### Parcel

All ID: 311010 03 1278 000  
 Address: 1114 N 3RD ST  
 Unit:  
 City: WILMINGTON  
 Zip Code:  
 Neighborhood: 6013  
 Class: GOV-Exempt Government  
 Land Use Code: 056-Unused Land  
 Living Units: 1  
 Acres: .3728  
 Zoning: CBD-CENTRAL BUSINESS DIS

1114 3RD ST N

CURRENT RECORD

1 of 1

[Return to Search Results](#)

Printable Summary

Printable Version

#### Legal

Legal Description: (0.37 ACRES) W 1/2 S 1/4 4 WILM SL  
Tax District: WM

#### Owners

Owner: NC DEPT OF TRANSPORTATION  
 City: WILMINGTON  
 State: NC  
 Country:  
 Zip: 28405

The data is from 2008

Data Copyright New Hanover County [Disclaimer] [Privacy Policy] Last Updated: 29 Sep 2008

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**RECEIVED**

OCT 7 0 2008

DIVISION OF RECORDS  
RIGHT OF WAY

Receptor Survey

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Appendix A  
Report Formats

12. Receptor Survey

A release of petroleum product or other regulated material has occurred within 1,500 feet of the property receiving this survey. This survey is being conducted as part of the investigation of the release as required by the State of North Carolina in Title 15A North Carolina Administrative Code 2L .0405.

Incident Number: 11710 Incident Name: Prime Equipment Company  
(The above information is to be completed by Responsible Party or their representative)

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey HUGH THOMPSON 910-251-5733  
 Address of property receiving survey 3113 N. KERR AVE WILMINGTON NC 28405  
 City Wilmington County NEW HAMOVER

What is the source of your drinking water? Public Water / Water Supply Well / Stream Intake / Other (please explain below) NO IMPROVEMENTS ON PROPERTY - PRELUED TO BE CITY

Is there a water supply well on this property? Yes /  No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) Drinking \_\_\_\_\_ Irrigation \_\_\_\_\_ Swimming Pool \_\_\_\_\_  
 Water Livestock \_\_\_\_\_ Other (specify) \_\_\_\_\_ You do not use the Well \_\_\_\_\_

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