



North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management
UST Section

Dee Freeman, Secretary
Dexter R. Matthews, Director

January 5, 2010

Commanding Officer
Attn: I&E/EMD/EQB, Mr. Nick Schultz, Bldg. 12
PSC Box 20004
MCB Camp Lejeune, NC 28542-0004

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

USMC Camp Lejeune, Bldg. 900
Sneads Ferry Road
Camp Lejeune, Onslow County
Incident Number: 32126
Risk Classification: Low
Ranking: L70R

Dear Mr. Schultz:

The Annual Groundwater Monitoring Report 2006-2007/ Site Closure Request received by the UST Section, Wilmington Regional Office on June 29, 2007 and the Notice of Residual Petroleum received on December 23, 2009 have been reviewed. The review indicates that groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) the USMC has a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

Be advised that as groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where groundwater contamination is expected to migrate is not suitable for use as a water supply.

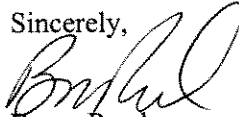
As groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, pursuant to NCGS 143B-279.9 and 143B-279.11, the USMC must file the approved Notice of Residual Petroleum (attached) with the Register of Deeds in the county in which the release is located and submit a certified copy to the UST Section within 30 days of receipt of this letter. This No Further Action determination will not become valid until the UST Section receives a certified copy of the Notice of Residual Petroleum which is filed with the Register of Deeds.

As groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202 and soil contamination exceeds the lower of the soil-to-groundwater or residential MSCCs, public notice in accordance with 15A NCAC 2L .0409(b) also is required. Thus, within 30 days of receipt of this letter, a copy of the letter must be provided by certified mail, or by posting in a prominent place, if certified mail is impractical, to the local health director, the chief administrative officer of each political jurisdiction in which the contamination occurs, all 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. Within 60 days of receiving this no further action letter, this office must be provided with proof of receipt of the copy of the letter or of refusal by the addressee to accept delivery of the copy of the letter or with a description of the manner in which the letter was posted. This No Further Action determination will not become valid until public notice requirements are completed. Interested parties may examine the Annual Groundwater Monitoring Report 2006-2007/ Site Closure Request by contacting this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,



Bruce Reed

Hydrogeologist II

Wilmington Regional Office

Attachments: Notice of Residual Petroleum

cc: George O'Daniel, Onslow County Health Department
WiRO-UST

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 433-3300

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 (704) 663-1699

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

Winston-Salem (WS) – 585 Waughtown Street, Winston-Salem, NC 27107 (336) 771-5000

Guilford County Environmental Health, 1203 Maple Street, Greensboro, NC 27405, (336) 641-3771

S:\ust\bruce\schultz900.nfa



Post Office Box 10279
Wilmington, NC 28404-0279

Phone (910) 452-5861
Fax (910) 452-7563
www.catlinusa.com

January 26, 2010

North Carolina Department of Environment and
Natural Resources
Division of Waste Management
UST Section
Attn: Mr. Bruce Reed
127 Cardinal Drive Ext.
Wilmington, North Carolina 28405

Re: *Notice of Residual Petroleum for UST Site 900*
NCDENR Incident Number 32126
Marine Corps Base
Camp Lejeune, North Carolina
Navy Contract No. N62470-05-D-6200
Delivery Order No. 0062
CATLIN Project No. 208-035

Dear Mr. Reed:

CATLIN Engineers and Scientists is submitting the following *Notice of Residual Petroleum for UST Site 900* and an associated survey plat of the site on behalf of the Commanding Officer, Marine Corps Base (MCB), Camp Lejeune.

If you have any questions or require any additional information, please contact Nick Schultz with the MCB Camp Lejeune at 910-451-9114.


Sincerely,


Shane A. Chasteen
Project Scientist


Jeffery K. Becken, PE
Project Manager

Enclosures

cc: Commanding Officer, Attn: Director I&E/EMD/EQB
Mr. Dave Borton, NAVFAC Mid-Atlantic


Doc ID: 007841310003 Type: CRP
Recorded: 01/21/2010 at 11:38:03 AM
Fee Amt: \$45.00 Page 1 of 3
Onslow County, NC
Rebecca L. Pollard Reg. of Deeds
BK **3351** PG **226-228**

Notice of Residual Petroleum

Underground Storage Tank (UST) Site 900, Onslow County, North Carolina

The property that is the subject of this Notice (hereinafter referred to as the “Site”) contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina’s Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or under his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as “NCDENR”, and the State of North Carolina shall hereinafter be referred to as the “State.”.

- The restrictions contained in this Notice are lawful restrictions as authorized by N.C.G.S. §§ 143B-279.9(b) and contained in the remedial plan or other applicable cleanup documentation for the Site and approved by NCDENR to protect public health and the environment.
- These restrictions should not be construed to transfer, dispose of, or in any way alienate any real property interest held by the United States in the Site. The State agrees that the filing of this Notice does not transfer to, relinquish to, or in any way create in the State or any third party any real property interest in the Site.

NOTICE

Petroleum product was released or discharged at the Site. **Petroleum constituents remain on the Site, but are not a danger to public health and the environment, provided that the controls described herein and any other measures required by NCDENR pursuant to N.C.G.S Sections 143B-279.9 and 143B-279.11, are strictly complied with.** This “Notice of Residual Petroleum” is composed of a description of the property, the location of the residual petroleum, and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S Section 143B-279.9 and 143B-279.11 and has been/shall be recorded at the Onslow County Register of Deeds’ office Book 3351, Page 226

Source Property

The United States of America, acting through the Secretary of the Navy, is the owner in fee simple of all or a portion of the Site, which is located in the County of Onslow, State of North Carolina, and is known and legally described as:

Beginning at survey monument U.S.M.C. Station PW-123; thence North 60 degrees 05 minutes 30 seconds East 5,352.15 feet to an iron stake; thence from said point of beginning North 02 degrees 07 minutes 14 seconds West 274.52 feet to an iron stake; thence North 46 degrees 33 minutes 38 seconds East 119.72 feet to an iron stake; thence South 63 degrees 24 minutes 40 seconds East 359.88 feet to an iron stake; thence South 02 degrees 01 minutes 47 seconds East 178.68 feet to an iron stake; thence South 87 degrees 35 minutes 43 seconds West 405.28 feet to the point of beginning.

LAND USE RESTRICTIONS

For protection of public health and the environment, the following land use restrictions; groundwater from the site is prohibited from use as a water supply; water wells supply wells of any kind shall not be installed or operated on the Site, approved by NCDENR, and authorized by N.C.G.S. Section 143B-279.9(b), apply to all of the above-described Site. These restrictions continue in effect as long as residual petroleum remains on the site in excess of unrestricted use standards.

This Notice shall not be amended or cancelled until the Onslow County Register of Deeds receives and records the written concurrence of the Secretary (or his/her delegate) of DENR (or its successor in function). Any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior to or subsequent thereto.

This Notice in and of itself creates no independent enforcement authority in the State or any third party. This Notice does not limit any enforcement authority that may otherwise be available to the State or any third party.

The land use restrictions as set forth in this Notice are enforceable in the manner and to the extent allowable by Federal and State law, including but not limited to N.C. Gen. Stat. § 143B-279.9 and § 143B-279.11.

Groundwater: Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.

IN WITNESS WHEREOF, _____ has caused this Notice to be executed pursuant to N.C.G.S Sections 143B-279.9 and 143B-279.11, this 1 day of December, 2009

(name of responsible party if agent is signing)
By: Carl N. Baker
(signature of attorney or other agent if there is one)
Deputy Public Works Officer (DPWO)
(Title of agent for responsible party if there is one)

Signatory's name typed or printed: Carl H. Baker

STATE OF NORTH CAROLINA
ONSLow COUNTY

I, Alice A. Bonnette, a Notary Public of said County and State, do hereby certify
(name of notary public)
that Carl H. Baker personally appeared before me this day and acknowledged
(name)
that he/she is the DPWO of MCB Camp Lejeune and that by
(Title) (Organization)
authority duly given, and as the act of MCB Camp Lejeune, the forgoing
(Organization)
instrument was signed in its name by such DPWO.
(Title)

WITNESS my hand and seal this the 1st day of December, 2009
(Official Seal) Alice A. Bonnette
Notary Public
Onslow County
State of North Carolina
My Commission Expires Oct 23, 2010
Notary Public (signature)

My commission expires 23 Oct, 2010.

Approved for the purposes of N.C.G.S. 143B-279.11

Gene Jackson
(signature of Regional Supervisor)

Gene Jackson, Regional Supervisor
(printed name of Regional Supervisor)

WILMINGTON, Regional Office
(name of Region)

UST Section

Division of Waste Management

Department of Environment and Natural Resources

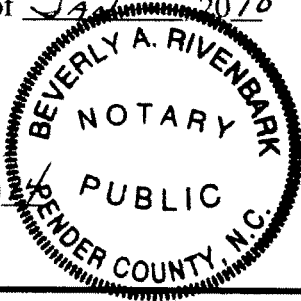
NORTH CAROLINA

Pender COUNTY

I, Beverly A. Rivenbark a Notary Public of said County and State, do hereby certify that Gene Jackson personally appeared before me this day and acknowledged that he is the Regional Supervisor of the UST Section, Division of Waste Management of the North Carolina Department of Environment and Natural Resources, Division of Waste Management, and that by authority duly given, and as the act of the North Carolina Department of Environment and Natural Resources, Division of Waste Management, forgoing instrument was signed in its name by such Regional Supervisor, UST Section.

WITNESS my hand and seal this the 5 day of September, 2010

Beverly A. Rivenbark (Official Seal)
Notary Public Signature



My commission expires 4-15, 2011

*Approved for the purposes of N.C.G.S. 143B-279.9 and 143B-279.11

Gene Gooden
(Signature of Regional Supervisor)
Gene Gooden
(Printed name of Regional Supervisor) Regional Supervisor
Wilmington
(Name of Region) Regional Office
UST Section
Division of Waste Management
Department of Environment and Natural Resources

NORTH CAROLINA
ALBEMARLE COUNTY

I, **CRISTY C. GIBBENS**, Notary Public of said County and State, do hereby certify that
(Name of Notary Public)
Gene Gooden, Regional Supervisor, personally appeared before me this day
(Name of Regional Supervisor)
and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 22nd day of April, 2009.

Gene Gooden
(Signature of Notary Public)



My commission expires 6-10, 2009.

MY COMMISSION EXPIRES _____, 2009, AND A SURVEYOR'S CERTIFICATION AND SEAL (USING A PERMANENT INK STAMP).

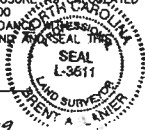
I, BRENT A. LANIER, PROFESSIONAL LAND SURVEYOR NO. 3611, CERTIFY TO ONE OR MORE OF THE FOLLOWING AS INDICATED:

- A. THAT THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND;
- B. THAT THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND;
- C. THAT THIS PLAT IS OF A SURVEY OF AN EXISTING PARCEL OR PARCELS OF LAND;
- D. THAT THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION;
- E. THAT THE INFORMATION AVAILABLE TO THIS SURVEYOR IS SUCH THAT I AM UNABLE TO MAKE A DETERMINATION TO THE BEST OF MY PROFESSIONAL ABILITY AS TO PROVISIONS CONTAINED IN (A) THROUGH (D) ABOVE.

CERTIFICATE OF SURVEY AND ACCURACY

I, BRENT A. LANIER, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY OF LAND MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN: SEE TITLE REFERENCE.) THAT THE BOUNDARIES SURVEYED ARE SHOWN AS BROKEN LINES, AND ARE REFERENCED AS SHOWN ON PLAT; THAT THE ERROR OF CLOSURE, AS CALCULATED BY LATITUDES AND DEPARTURES + 1:10,000 THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH THE G.S. 47-30 AS AMENDED. WITNESS MY HAND AND SEAL THIS _____ DAY OF _____

Brent A. Lanier
BRENT A. LANIER, P.L.S. L-3611



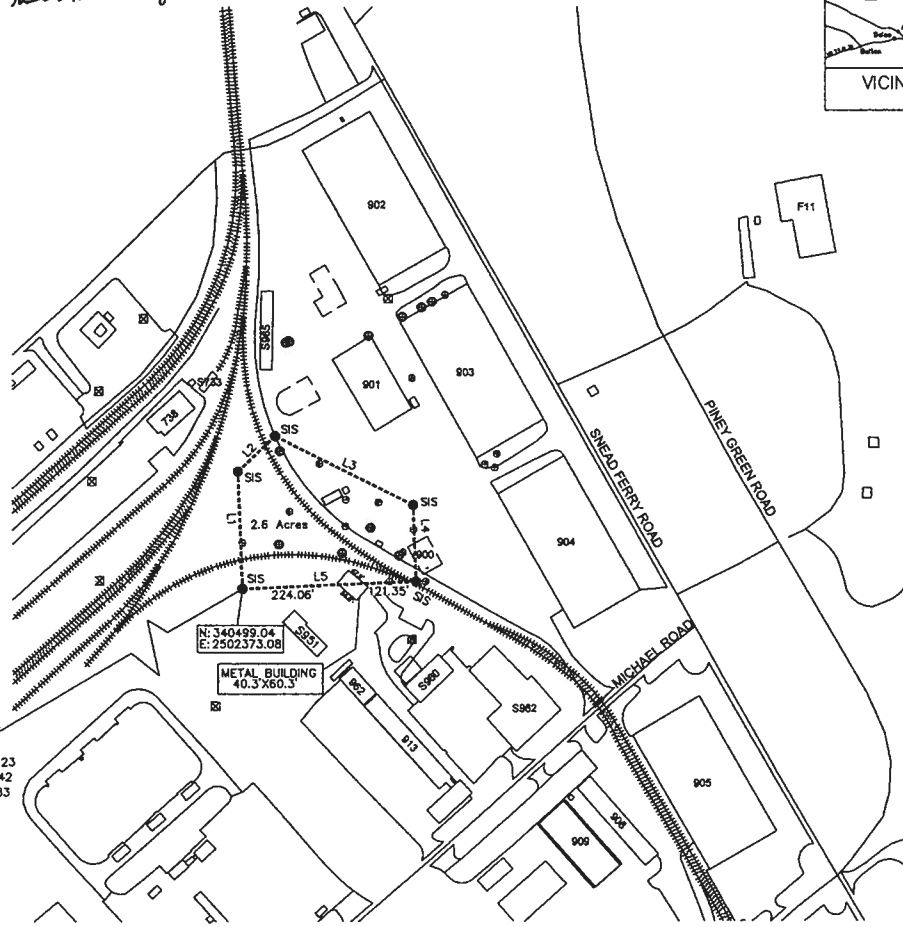
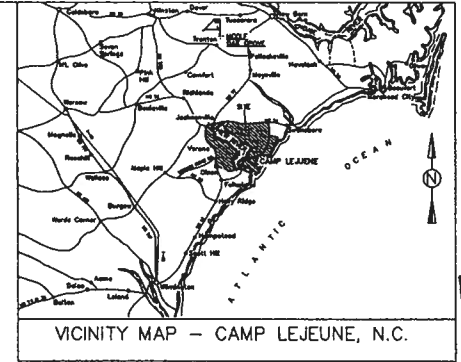
NOTES:

1. LIST SITE 900 NCDENR INCIDENT NUMBER = 32126. REPORTS PERTAINING TO THIS INCIDENT NUMBER ARE ON FILE AT THE NCDENR WILMINGTON REGIONAL OFFICE.
2. TYPES OF PETROLEUM SUBSTANCES KNOWN IN GROUNDWATER INCLUDE BENZENE, NAPHTHALENE AND THE C5 - C8 ALIPHATIC HYDROCARBON FRACTIONS.
3. BOUNDARY OF GROUNDWATER LAND USE CONTROL DEVELOPED BY CATLIN ENGINEERS AND SCIENTISTS WAS ESTABLISHED BY REVIEWING MOST RECENT GROUNDWATER ANALYTICAL RESULTS AND GENERALLY SETTING BOUNDARY ALONG PERIMETER OF WELLS WITH NO CONTAMINANTS ABOVE THE NC 2L GROUNDWATER QUALITY STANDARDS. IN CASES WHERE THE PERIMETER WELL(S) CONTAIN CONTAMINANTS ABOVE THE NC 2L GROUNDWATER QUALITY STANDARDS THE BOUNDARY LINE WAS ESTIMATED BASED ON THE LOW CONCENTRATION OF CONTAMINANTS.
4. BASE MAPPING SOURCE: MCB CAMP LEJEUNE INSTALLATION GEOSPATIAL INFORMATION AND SERVICES OFFICE.
5. MAP COORDINATE SYSTEM: NC STATE PLANE, ZONE 3200, NAD 83, FEET.
6. ALL DISTANCES ARE GRID
7. SCALE FACTOR= 0.999923139



Doc ID: 0074432001 Type: CDP
Kind: MAP
Recorded: 01/21/2010 at 11:41:48 AM
Fee Amt: \$21.00 Page 1 of 1
Onslow County, NC
Rebecca L. Pollard Reg. of Deeds
BK 59 PG 101
Slide M-1415

Rebecca L. Pollard
Register of Deeds
By: *Lisa R. Thompson - Asst.*



LINE	BEARING	DISTANCE
L1	N 02°07'14" W	274.52'
L2	N 46°33'38" E	119.72'
L3	S 63°24'40" E	359.88'
L4	S 02°01'47" E	178.68'
L5	S 87°35'43" W	405.28'

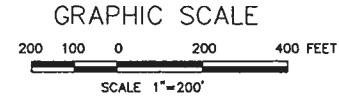


EXHIBIT MAP
BOUNDARY OF LAND USE CONTROLS
UNDERGROUND STORAGE TANK SITE 900

SHOWING PROPERTY OF: UNITED STATES OF AMERICA
MARINE CORPS BASE CAMP LEJEUNE
ONSLOW COUNTY, NORTH CAROLINA
APRIL 8, 2009



- LEGEND**
- MONITORING WELL - TYPE II
 - ⊙ MONITORING WELL - TYPE III
 - ⊗ MONITORING WELL - UNKNOWN WELL TYPE
 - - - BOUNDARY OF GROUNDWATER LAND USE CONTROL
 - RAIL ROAD
 - BUILDING
 - ▭ FORMER BUILDING
 - BOUNDARY CORNER - SET IRON STAKE (SIS)



ENGINEERS (2)

BK 59 PG 101



UNITED STATES MARINE CORPS

MARINE CORPS BASE
PSC BOX 20004
CAMP LEJEUNE, NC 28542-0004

RECEIVED DEC 30 2009

IN REPLY REFER TO

5090.10

BEMD

DEC 18 2009

Mr. Bruce Reed
North Carolina Department of Environment
and Natural Resources
Division of Waste Management
Underground Storage Tank Section
127 Cardinal Drive
Wilmington, North Carolina 28405-3845

Dear Mr. Reed:

Enclosed is the Notice of Residual Petroleum Documentation for Underground Storage Tank Site 900 located aboard Marine Corps Base, Camp Lejeune, North Carolina. Enclosure (1) details the Land Use Restrictions associated with the site. Enclosure (2) is a map showing the extent of residual petroleum contamination.

If you have any questions or require further information, please contact Mr. Nicholas Schultz, Environmental Quality Branch, Environmental Management Division, Installations and Environment Department, at (910) 451-9114.

Sincerely,

JOHN R. TOWNSON

Director, Environmental Management
By direction of
the Commanding Officer

Enclosures: 1. Site 900 Notice of Residual Petroleum
2. Site 900 Survey Plat Map

Copy to: (w/o encls)
NAVFACENGCOCOM (Mr. Dave Borton Code OPNCEV4)
CATLIN (Mr. Mike E. Mason)✓
EACO (Maj Michael Evans)

State of North Carolina
Department of Environment
and Natural Resources
Wilmington Regional Office
Division of Waste Management
UST Section

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Director



OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

4/21

of pages ▶ 1 of 7

To	John Conway	From	N. Hall
Dept./Agency	Land div	Phone #	451-9610
Fax #	4805	Fax #	

NSN 7540-01-317-7368

5099-101

GENERAL SERVICES ADMINISTRATION

March 26, 2004

Mr. Thomas Burton
Attention: Director, I & E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Subject: Review of Optimization Report
USMC-Camp Lejeune, Bldg. 900
Incident No. 32126
Intermediate Risk Classification

Dear Mr. Burton:

Thank you for submitting the subject report to the Division on March 5, 2004. The Division has reviewed the report and offers the following comments:

- The recommendations in the report are acceptable at this time, except as noted below. The site has been classified as intermediate risk, and the land use has been classified as residential. Post-operational sampling results may lower the risk classification.
- Please forward a copy of the well abandonment record for former well HP-634.
- No information could be located in the Division file about a dispenser used in conjunction with the UST 900 system. Please advise whether a dispenser was used in conjunction with this UST, and where the dispenser may have been located.
- The Division agrees that soil contamination detected in sample number 900-GP1, see attached Drawing 4.5, is probably not related to UST 900, unless a dispenser from UST 900 was located in this area. Furthermore, it was learned that the area where 900-GP1 was located is in Operable Unit 1, Site 78. Please contact the Superfund Section or the Groundwater Section concerning your requirements concerning the petroleum contamination detected at 900-GP1.
- Please perform all sampling in accordance with the most recent version of the Guidelines and 15A NCAC 2L .0115.
- The report referenced that the current applicable remedial requirements for this site are the Risk Based Corrective Action for Petroleum USTs per 15A NCAC 2L .0106. The correct section for these activities is 15A NCAC 2L .0115.

Robert R. R.

Mr. Thomas Burton
March 26, 2004
Page 2

- The Division does not agree with the recommendation for no further soil sampling. Review of the file indicates that confirmatory soil sampling is needed in the unsaturated zone around the sidewalls and dispenser(s).

If you have any questions concerning this letter, please call me at (910) 395-3900.

Sincerely,



Bruce Reed
Hydrogeologist II

Attachment

cc: WiRO-GWS
WiRO-UST

s:\bruce\burton900.mar