



North Carolina Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Division of Waste Management
Underground Storage Tank Section

Dexter R. Matthews, Director

November 26, 2007

Commanding Officer
Attn: Director, I&E/EMD/EQB,
Dr. Johanna Arnold, Bldg. 12
Marine Corps Base
PSC Box 20004
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. PP-3350
3350 Jones Street
Jacksonville, Onslow County
Incident Number: 24014
Risk Classification: Low

Dear Dr. Arnold:

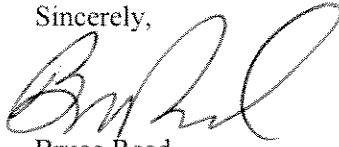
The Report of Findings/Site Closure Request received by the Underground Storage Tank (UST) Section, Wilmington Regional Office on November 20, 2007 has been reviewed. The review indicates that soil contamination does not exceed the soil-to-groundwater maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411 and that groundwater contamination does not exceed the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) 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.

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

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**

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

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

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

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

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

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

S:\bruce\arnold3350.nfa

Marine Corps Base Camp Lejeune
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Info

1390

Correspondence ID Number

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Action

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Signature

DEC 05 2007

FROM: DIRECTOR

TO: EQB

RETURN:

COPY:

SUBJECT: NOTICE OF NO FURTHER ACTION 15A NCAC 2L.0407(D) - BLDG PP-3350

COMMENTS: Brynn, for your files - JEE

ROUTING: Originator: J LEDFORD Initials: JCL Date: 12/3/2007

1. J TOWNSON J ENBSTRUM Initials: JEE Date: 12/4/2007

2. Initials: Date:

3. Initials: Date:

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DEC 05 2007
Johanna
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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

February 25, 2005

Commanding General
Attn: I & E/EMD/EQB (Ms. Nikki Hall, Bldg.12)
PSC Box 20004
MCB Camp Lejeune, NC 28542-0004

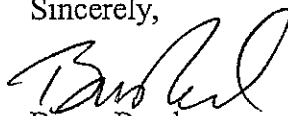
Subject: Review of Soil Removal Actions
Report
USMC-Camp Lejeune, PP-3326,
PP-3330, PP-3332, PP-3350,
and M-230-1,2
Jacksonville, Onslow County
Low Risk Classifications

Dear Ms. Hall:

The Underground Storage Tank (UST) Section has reviewed the Soil Removal Actions Report received on February 18, 2005. Your proposal to remove more contaminated soil is acceptable at this time. Please submit a schedule for the re-excavations. As discussed in the February 24, 2005 meeting, please submit your proposal to address the remaining soil contamination at the M-230 site. The proposal is due by April 26, 2005.

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

Sincerely,


Bruce Reed
Hydrogeologist II

cc: George O'Daniel (Onslow County Health Department)
WiRO-UST bruce/hallppsoilrmvactn.feb

faxed to M.E. Mason (Catlin) 7/17

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

July 1, 2003

Nikki: _____
BRM _____

are we ok w/ this?

NJ
7

Ms. Nikki Hall
Attn: Director, I & E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Re: Notice of Regulatory Requirements
15A NCAC 2L .0115(i)
Risk-based Assessment and Corrective Action Petroleum Underground Storage Tanks
USMC-Camp Lejeune, PP-3550
Incident No. 24014
Onslow County
Low Risk Classification

Dear Ms. Hall:

The Underground Storage Tank (UST) Section of the Division of Waste Management Regional Office has reviewed the Soil Assessment Report dated June 18, 2003 for the above-referenced site. The UST Section staff agrees with both the plan and the schedule for remediating contaminated soil with the following modifications:

Please excavate to a minimum depth of 5 feet below land surface. The excavation should be completed by May 1, 2004.

Based on the recommendation of UST Section staff, I hereby approve the plan and schedule. You may proceed with proposed activities. Please note that it is your responsibility to ensure that any waste generated during implementation of the plan is disposed of in accordance with all applicable county, state and federal laws.

Ms. Nikki Hall
July 1, 2003
Page 2

Also note that performing assessment and cleanup work that is not required under 15A NCAC 2L .0115 is not reimbursable from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds. Your prompt attention to the items described herein is required. Failure to comply with the state's rules in the manner and time specified, may result in the assessment of civil penalties and /or the use of other enforcement mechanisms available to the state. Each day that a violation continues may be considered a separate violation.

If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact Bruce Reed of the Regional Office at the letterhead address and at (910) 395-3900. If you have any questions regarding trust fund eligibility or reimbursement, please contact the UST Section Trust Fund Branch at (919) 733-8486.

Sincerely,



David Holsinger, P.E.
Regional Supervisor

DH/BR

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

bruce/hall3350.sar



UNITED STATES MARINE CORPS
MARINE CORPS BASE
PSC Box 20004
Camp Lejeune, North Carolina 28542-0004

READ FILE

In reply refer to:

6287

BEMD

24 JUN 2003

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:

The Soil Assessment Reports for PP-3332 (incident 24011) and PP-3350 (incident 24014) are enclosed for your review. Both sites are located in the Paradise Point Housing Area aboard Marine Corps Base, Camp Lejeune, North Carolina. A brief summary of each report is included below:

PP-3332: A 285-gallon heating oil underground storage tank (UST) was removed on September 13, 2001. Soil samples taken from the sidewalls after tank closure indicated the presence of C₉-C₂₂ aromatic compounds and 2-Methylnapthalene above Residential Maximum Soil Contaminant Concentrations (MSCCs). Subsequently, a Limited Site Assessment determined groundwater contamination is below Gross Contaminant Levels and soil contamination does not exceed Soil to Groundwater or Residential MSCCs. This soil assessment report was prepared in response to a Notice of Regulatory Requirements dated January 6, 2003.

Additional soil samples were collected in March 2003. Laboratory tests did not indicate the presence of VOCs, semi-VOCs, VPH, or EPH compounds, with the exception of benzoic acid, above the laboratory PQLs. Concentrations of benzoic acid were below Residential MSCCs.

PP-3350: A 285-gallon heating oil UST was removed on September 6, 2001. Soil samples taken from the sidewalls after tank closure indicated the presence of C₉-C₂₂ aromatic compounds and 2-Methylnapthalene above Residential MSCCs. Subsequently, a Limited Site Assessment determined groundwater contamination is below Gross Contaminant Levels and soil contamination at the product feed line was below quantitation limits. This soil

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

April 3, 2003

Ms. Nikki Hall
Attention: Director, I&E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Subject: Time Extension
USMC-Camp Lejeune, TT:2302, 3548,
3140, PP: 3332, 3326, 3350, FC-40-3,
and 1323-3
Camp Lejeune, Onslow County

Dear Ms. Hall:

The Division has reviewed the subject time extension request that was received by this office on March 26, 2003. The extensions are granted. If the reports are not received by the new due date (see attached), fines and penalties may be assessed from the original due date.

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

Sincerely,

Bruce Reed
Hydrogeologist II

Attachment

cc: WiRO-UST

s:\ust\bruce\halltime2.apr



UNITED STATES MARINE CORPS

MARINE CORPS BASE

PSC Box 20004

Camp Lejeune, North Carolina 28542-0004

In reply refer to:

6287

BEMD

21 MAR 2003

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:

On March 5, 2003 a number of items were addressed at the Underground Storage Tank Partnering Meeting, including upcoming work. You were informed that several reports would be delayed due to additional sampling requirements and funding issues. Camp Lejeune would like to formally request a time extension for the following reports:

UST Site	Report	NORR Date	Proposed Due Date
TT-2302	Phase I Limited Site Assessment	01/29/02	5/30/03
TT-3548	Phase I Limited Site Assessment	02/15/02	5/30/03
1323-3	Phase I Limited Site Assessment	12/18/02	6/30/03
FC-40-3	Phase I Limited Site Assessment	12/18/02	6/30/03
PP-3332	Soil Assessment Report	01/06/02	6/30/03
PP-3326	Soil Assessment Report	01/08/02	6/30/03
TT-3140	Soil Assessment Report	01/09/02	6/30/03
PP-3350	Soil Assessment Report	10/16/02	6/30/03

Fieldwork at these sites has been scheduled for mid-March and April 2003. If you have questions or need further information, please contact Ms. Nikki Hall, Environmental Quality Branch, Environmental Management Division, Installations and Environment Department, at (910) 451-9610.

Sincerely,

SCOTT A. BREWER, PE

Director, Environmental Management

By direction of

the Commanding General

6287
BEMD

Copy to:
NAVFACENGCOM (Ms. Reuther Code EV21LR)
Catlin (Mr. Mike E. Mason)
MAA (Mr. Dan Nielsen)

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

February 10, 2003

Ms. Nikki Hall
Attention: Director, I&E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

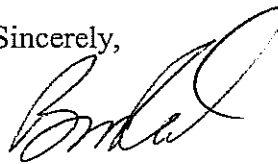
Subject: Time Extensions
USMC-Camp Lejeune, M-230-2, PP-3350,
and Two Rapid Refueler Incidents
Camp Lejeune, Onslow County

Dear Ms. Hall:

The Division has reviewed the subject time extension requests that were received by this office on January 27, 2003. The extensions are granted. If the reports are not received by the new due date, fines and penalties may be assessed from the original due date.

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

Sincerely,



Bruce Reed
Hydrogeologist II

Attachments

cc: WIRO-UST

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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

October 16, 2002

Ms. Nikki Hall
Attn: Director, I & E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

RE: Notice of Regulatory Requirements
15A NCAC 2L .0115(d)
USMC-Camp Lejeune, PP-3350
Camp Lejeune, Onslow County
Incident No. 24014
Low Risk Classification

Dear Ms. Hall:

Information received by this office on February 19, 2002, confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced site. Records indicate that the USMC is the owner and/or operator of this UST system. This letter is a standard notice explaining the actions that the USMC must take as a result of the release or discharge in accordance with North Carolina statutes and rules. The UST Section of the Division of Waste Management administers the state's rules for USTs and the required response for petroleum releases. Those rules are located in Title 15A, Subchapter 2L and Title 15A, Subchapter 2N of the North Carolina Administrative Code (NCAC).

The risk-based rule for petroleum USTs, 15A NCAC 2L .0115(d), states that the department shall classify the risk of each known discharge or release from the UST system. A review of the September 2002-Limited Site Assessment Report that the USMC has provided to this office indicates that:

- (1) Based upon a review of site-specific information, limited assessment or interim corrective action, the discharge or release poses no significant risk to human health or the environment.

Based on the conditions above, the discharge or release at the subject site has been re-classified as "low risk." In addition, the land use at the site has been classified as residential. Please note that 15A NCAC 2L .0115(e) requires the USMC to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

FAX TRANSMITTAL

of pages 2

To <i>LORI REUTHER</i>	From <i>THOMAS BUEJON</i>
Dept./Agency	Phone #
Fax # <i>919-262-4804</i>	Fax #
NSN 7540-01-317-7368	5099-101 GENERAL SERVICES ADMINISTRATION

INCIDENT

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

*time extension
to 4/30/03 -
letter sent to
Bldg. 1 on 1/15/03*

Based on the determination that the risk posed by the discharge or release at the subject site is low, the USMC must comply with the soil assessment and cleanup requirements of 15A NCAC 2L .0115(i). To achieve compliance with this rule, please submit a Soil Assessment Report documenting the vertical and horizontal extent of soil contamination. If soil contamination is present at concentrations exceeding the applicable cleanup levels, the Soil Assessment Report must contain a plan and schedule for soil remediation. The Soil Assessment Report must be received by this office by **January 18, 2003**. A responsible party who submits a Soil Assessment Report that proposes to remediate or leave in-place soil contamination exceeding the residential or soil-to-groundwater maximum contaminant concentrations established in 15A NCAC 2L .0115(m), whichever are lower, must provide public notice as specified in 15A NCAC 2L.0115(j).

Once soil contamination is remediated, the USMC is required to submit a Soil Cleanup Report with Site Closure Request. This report shall demonstrate that soil contamination was remediated to the industrial/commercial maximum soil contaminant concentrations established in 15A NCAC .0115(m). A time frame for submittal of a Soil Cleanup Report with Site Closure Request must be specified in the plan and schedule for soil remediation contained in the Soil Assessment Report.

Please refer to the most recent version of the UST Section guidelines for assessment and corrective action for further information on assessment, cleanup, public notification and reporting requirements. The guidelines are available on the Internet at <http://ust.enr.state.nc.us> or may be purchased from the UST Section for a fee of \$8.50. To purchase a copy of the guidelines, please send a check made payable to DENR to:

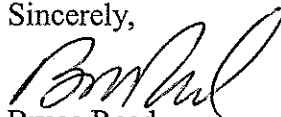
DENR/DWM/UST Section
1637 Mail Service Center
Raleigh, NC 27626-0616

The USMC's prompt attention to the items described herein is required. Failure to comply with the State's rules in the manner and time specified, may result in the assessment of civil penalties and/or the use of other enforcement mechanisms available to the state. Each day that a violation continues may be considered a separate violation.

Also note that performing assessment and cleanup work that is not required under 15A NCAC 2L.0115 is not reimbursable from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds.

If the USMC has any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the Wilmington Regional Office at the letterhead address and/or at 910-395-3900. If there are any questions regarding trust fund eligibility or reimbursement, please contact the UST Section Trust Fund Branch in Raleigh at (919) 733-8486.

Sincerely,


Bruce Reed
Hydrogeologist II

cc: George O'Daniel (Onslow County Health Dept.)
WiRO-UST

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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



October 16, 2002

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

Subject: Review of LSA Report
USMC-Camp Lejeune PP-3350
Camp Lejeune, Onslow County
Incident No. 24014
Low Risk Classification

Dear Mr. Burton:

Thank you for submitting the subject report to the Division on September 23, 2002. The Division has reviewed the report, and has issued a separate letter concerning further regulatory requirements concerning this incident. It was stated on Page 7 of the report that a NC Well Construction Record was not required for a temporary well. Please be advised that a NC Well Construction Record is required to be submitted to the Division of Water Quality, Groundwater Section, pursuant to 15A NCAC 2C .0114. I have attached a copy of this regulation for your reference. Also, please assure in future reports that groundwater information points to monitoring wells rather than soil borings (see Figures 5A-5C).

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

Sincerely,

Bruce Reed
Hydrogeologist II

Attachment

cc: WIRO-UST

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- (vii) Complete the abandonment process by filling the remainder of the well above the concrete or cement plug with additional concrete grout, cement grout, or soil.
- (c) Any well which acts as a source or channel of contamination shall be repaired or permanently abandoned within 30 days of receipt of notice from the department.
- (d) The drilling contractor shall permanently abandon any well in which the casing has not been installed or from which the casing has been removed, prior to removing his equipment from the site.
- (e) The owner shall be responsible for permanent abandonment of a well except that:
 - (1) the well driller is responsible for well abandonment if abandonment is required because the driller improperly locates, constructs, repairs or completes the well; or
 - (2) the person who installs, repairs or removes the well pump is responsible for well abandonment if that abandonment is required because of improper well pump installation, repair or removal.

*History Note: Authority G.S. 87-87; 87-88;
Eff. February 1, 1976;*

Amended Eff. April 1, 2001; December 1, 1992; September 1, 1984; April 20, 1978.

15A NCAC 02C .0114 DATA AND RECORDS REQUIRED

(a) Well Cuttings.

- (1) Samples of formation cuttings shall be collected and furnished to the Division from any well when such samples are requested by the Division prior to completion of the drilling or boring activities.
- (2) Samples or representatives cuttings shall be obtained for depth intervals of 10 feet or less beginning at the land surface. Representative cuttings shall also be collected at depths of each significant change in formation.
- (3) Samples of cuttings shall be placed in containers furnished by the Division and such containers shall be filled, sealed and properly labeled with indelible-type markers, showing the well owner, well number if applicable, and depth interval the sample represents.
- (4) Each set of samples shall be placed in a suitable container(s) showing the location, owner, well number if applicable, driller, depth interval, and date.
- (5) Samples shall be retained by the driller until delivery instructions are received from the Division or for a period of at least 60 days after the well record form (GW-1), indicating said samples are available, has been received by the Division.
- (6) The furnishing of samples to any person or agency other than the Division shall not constitute compliance with the department's request and shall not relieve the driller of his obligation to the department.

(b) Reports.

- (1) Any person completing or abandoning any well shall submit to the Division a record of the construction or abandonment. For public water supply wells, a copy of each completion or abandonment record shall also be submitted to the Health Department responsible for the county in which the well is located. The record shall be on forms provided by the Division and shall include certification that construction or abandonment

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- was completed as required by these Rules, the owner's name and address, well location, diameter, depth, yield, and any other information the Division may reasonably require.
- (2) The certified record of completion or abandonment shall be submitted within a period of thirty days after completion or abandonment.
 - (3) The furnishing of records to any person or agency other than the Division shall not constitute compliance with the reporting requirement and shall not relieve the driller of his obligation to the Department.

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*History Note: Authority G.S. 87-87; 87-88;
Eff. February 1, 1976;
Amended Eff. April 1, 2001; December 1, 1992; September 1, 1984; April 20, 1978.*

15A NCAC 02C .0115 **DIAGRAMS AND FORMS**

*History Note: Authority G.S. 87-87;
Eff. February 1, 1976;
Amended Eff. April 20, 1978;
Repealed Eff. September 1, 1984.*

15A NCAC 02C .0116 **DESIGNATED AREAS: WELLS CASED TO LESS THAN 20 FEET**

- (a) In some areas the best or only source of potable water supply exists between ten and twenty feet below the surface of the land. In consideration of this, the Director may designate areas of the state where wells may be cased to a depth less than twenty feet. To make this determination, the Director will find:
- (1) that the only or best source of drinking water exists between a depth of ten and twenty feet below the surface of the land;
 - (2) that utilization of said source of water is in the best interest of the public.
- (b) The following areas are so designated:
- (1) in Currituck County on Terres Quarter Island and in an area between the sound and a line beginning at the end of SR 1130 near Currituck Sound, thence north to the end of SR 1133, thence north to the end of NC 3 at the intersection with the sound;
 - (2) on the Outer Banks from the northern corporate limit of Nags Head on Bodie Island, south to Ocracoke Inlet;
 - (3) all areas lying between the Intercoastal Waterway and the ocean from New River Inlet south to New Topsail Inlet;
 - (4) all areas lying between the Intercoastal Waterway and the ocean from the Cape Fear River south to the South Carolina line.
- (c) In all other areas, the source of water shall be at least 20 feet below land surface, except when adequate quantities of potable water cannot be obtained below a depth of twenty feet, and at sites not within areas designated in Subparagraph (b) of this Rule the source of water may be obtained from unconsolidated rock formations at depths less than twenty feet provided that:



UNITED STATES MARINE CORPS

MARINE CORPS BASE

PSC Box 20004

Camp Lejeune, North Carolina 28542-0004

READ FILE

In reply refer to:

6287

BEMD

SEP 19 2002

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

Dear Mr. Reed:

Enclosure (1) provides the Phase I Limited Site Assessment (LSA) for underground storage tank site (UST) PP-3350. Enclosure (2) provides the Draft Hadnot Point 2002 Well Gauging, Sampling, and Additional Well Installation Report. Please note that this report is subject to revision. All sites are located aboard Marine Corps Base, Camp Lejeune, North Carolina.

PP-3350: One 285-gallon No. 2 fuel oil UST system was removed in September 2001. Following the tank removal, five confirmatory soil samples were collected from the former tank basin. Laboratory analysis revealed several target compounds and petroleum hydrocarbon fractions at concentrations above the Soil-to-Groundwater MSCCs, with one petroleum hydrocarbon fraction (C₉-C₂₂ Aromatics) and one semi-volatile organic compound (2-methylnaphthalene) at concentrations above the Residential MSCCs.

One additional soil sample, collected during the LSA investigation from along the former product feed line, did not reveal any target analytes above laboratory PQLs. The groundwater sample, collected from a temporary monitoring well installed in the former tank basin, revealed naphthalene and C₉-C₂₂ Aromatics at concentrations above their respective 2L GWQS and IGWQS.

Hadnot Point Fuel Farm: This draft report states that the extent of dissolved contamination at the 50-foot zone appears to be more extensive than the shallow plume. Additionally, deeper contamination has been, or is being, influenced by factors that have altered the vertical hydraulic stability of the area and created an environment favorable to downward migration of contaminants.

If you have additional questions or need further information, please contact Mr. Thomas Burton, Environmental Quality Branch, Environmental Management Division, Installations and Environment Department, at (910) 451-9612.

Sincerely,



SCOTT A. BREWER, PE
Director, Environmental Management
By direction of
the Commanding General

- Enclosures:
1. Phase I Limited Site Assessment, UST PP-3350, Marine Corps Base, Camp Lejeune, North Carolina, September 5, 2002
 2. Hadnot Point 2002 Well Gauging, Sampling, and Additional Well Installation Draft Report, Hadnot Point Fuel Farm, Camp Lejeune, North Carolina, September 16, 2002

Copy to: (w/o encl)
NAVFACENGCOM (Ms. Reuther Code EV21LR)
Catlin (Mr. Mike E. Mason)

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

May 30, 2002

Ms. Nikki Hall
Attention: Director, I&E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

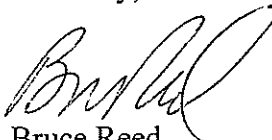
Subject: Time Extensions
USMC-Camp Lejeune, Bldgs. TT: 779,
2302, 2254, 2258, 3140, 3165, 3233, 3524,
3548, PP: 3311, 3322, 3326, 3330, 3332,
3340, 3343, 3350, 3354, 3358, and 3363
Camp Lejeune, Onslow County

Dear Ms. Hall:

The Division has reviewed the subject time extension requests that were received by this office on May 29, 2002. The extensions are granted. If the reports are not received by the new due date, fines and penalties may be assessed from the original due date.

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

Sincerely,



Bruce Reed
Hydrogeologist II

BR

cc: WIRO-UST

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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

February 22, 2002

Ms. Nikki Hall
Attn: Director, I&E/EMD/EQB
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

RE: Notice of Regulatory Requirements
15A NCAC 2L .0115(c)
RISK-BASED ASSESSMENT AND
CORRECTIVE ACTION FOR PETROLEUM
UNDERGROUND STORAGE TANKS
USMC-Camp Lejeune-Bldg. PP-3350
Camp Lejeune, Onslow County, N.C.
Risk: Unconfirmed
Incident No. Pending

Dear Ms. Hall:

Information received by this office on February 19, 2002, confirms a release or discharge from a petroleum underground storage tank (UST) system at the above referenced location. Records indicate that the USMC is the owner and/or operator of this UST tank system. This letter is a standard notice explaining the actions that the USMC must take as a result of the release or discharge in accordance with North Carolina statutes and rules. The UST Section of the Division of Waste Management administers the state's rules for USTs and the required response for petroleum releases. Those rules are located in Title 15A, Subchapter 2L and Title 15A, Subchapter 2N of the North Carolina Administrative Code (NCAC).

As a responsible party, the USMC is required to comply with the release response and corrective action requirements of 15A NCAC 2L .0115(c), which include the requirements established in 15A NCAC 2N. Listed is a general description of actions that the USMC must take to comply with State rules. For a detailed description of your requirements please refer to the enclosed rules and the July 2001 *UST Section Guidelines for Assessment and Corrective Action*. The Guidelines are available on the Internet at <http://ust.enr.state.nc.us> or may be purchased from the UST Section for a fee of \$8.50. To purchase a copy of the Guidelines, please send a check made payable to DENR to:

DENR/DWM/UST Section
1637 Mail Service Center
Raleigh, NC 27699-1637

Required Actions:

- 1) If the USMC has not already done so, the USMC must take immediate action to prevent any further release of the regulated substance into the environment and to identify and mitigate any fire, explosion and vapor hazards; remove any free product; and comply with the requirements of Rules .0601 through .0604 and .0701 through .0703 and .0705 of Subchapter 2N;
- 2) Incorporate the requirements of 15A NCAC 2N .0704 into the report to be submitted in accordance with 15A NCAC 2L .0115 (c)(3) or (c)(4), whichever is applicable (see Item #3 below). This shall constitute compliance with the reporting requirements of 15A NCAC 2N .0704(b);
- 3) If the USMC can demonstrate that no soil remains in the unsaturated zone in the sidewalls and at the base of the UST system excavation with contaminant levels exceeding either the "soil-to-groundwater" or the residential maximum soil contaminant concentrations (See Guidelines), whichever are lower, then submit a Soil Contamination Report in accordance with 15A NCAC 2L.0115(c)(3). The Soil Contamination Report, if applicable, is due in this office within **90 days** of the date of receipt of this notice. Upon approval of this report, the Department will issue a notice indicating that no further action related to this incident is required; or,
- 4) If the requirements of 15A NCAC .0115(c)(3) cannot be met as described in Item #3 above, submit a Limited Site Assessment (LSA) Report in accordance with 15A NCAC 2L .0115(c)(4), containing information needed by the Department to classify the level of risk to human health and the environment posed by the discharge or release. The LSA Report is due in this office within **120 days** of the date of receipt of this notice. Based on a review of the information submitted in the LSA, the Department will classify the risk of the discharge or release as high, intermediate or low. At that time, the Department will also classify the land use of the site as either residential or industrial/commercial. The USMC will be notified of the risk and land use classifications once review of your LSA Report is completed.

If the USMC believes that any of the information requested above has already been submitted, please notify me of the date, title, and content of the documents that contain the information.

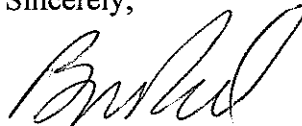
Ms. Nikki Hall
February 22, 2002
Page 3

The USMC's prompt attention to the items described herein is required. Failure to comply with the state's rules in the manner and time specified, may result in the assessment of civil penalties and /or the use of other enforcement mechanisms available to the State. Each day that a violation continues may be considered a separate violation. If the USMC believes that it is not the responsible party notify the UST Section within **15 days** of receipt of this letter.

Please note that performing assessment and cleanup work that is not required under 15A NCAC 2L.0115 is not reimbursable from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds.

If the USMC has any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the letterhead address and/or at (910) 395-3900. If the USMC has any questions regarding trust fund eligibility or reimbursement, please contact the UST Section in Raleigh at (919) 733-8486.

Sincerely,



Bruce Reed
Hydrogeologist II

BR

cc: George O'Daniel (Onslow County Health Dept.)
WiRO-UST

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