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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/hallppsoilrmvlactn.feb

127 Cardinal Drive, Wilmington, North Carolina 28405

Phone: 910-395-3900 \ FAX: 910-350-2004 \ Internet: www.enr.state.nc.us

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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

July 7, 2003

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-3332
Incident No. 24011
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 26, 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.

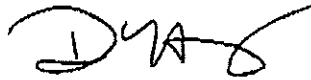
127 Cardinal Drive, Wilmington, North Carolina 28405
Phone: 910-395-3900 \ FAX: 910-350-2004 \ Internet: www.enr.state.nc.us
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Ms. Nikki Hall
July 7, 2003
Page 2

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/hall3332.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,

A handwritten signature in black ink, appearing to read 'Bruce Reed', is positioned above the printed name.

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

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



January 6, 2003

Ms. Nikki Hall
Attention: 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-Bldg. 3332 **PP3332**
Camp Lejeune, Onslow County
Incident No. 24011
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 November 29, 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.

Ms. Nikki Hall
January 6, 2003
Page 2

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 within **90 days** of the date of receipt of this notice. 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 residential 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:

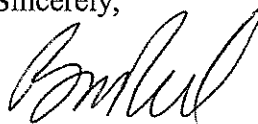
DENR/DWM/UST Section
1637 Mail Service Center
Raleigh, NC 27626-0616

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: WiRO-UST
s:\bruce\hall3332.sar

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

s:\ust\bruce\halltime.may

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-3332
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:

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

s:\bruce\hall3332.feb