

## Hall GS11 Nicole L

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**m:** Bruce Reed [Bruce.Reed@ncmail.net]  
**sent:** Tuesday, June 03, 2003 3:37 PM  
**To:** hallnl@lejeune.usmc.mil  
**Subject:** TT-2302: stackable

Hi:

Another stack update for ya: TT-2302 is low risk and ready for the stack.

See ya,

BR



UNITED STATES MARINE CORPS

MARINE CORPS BASE

PSC Box 20004

Camp Lejeune, North Carolina 28542-0004

READ FILE

In reply refer to:

6287

BEMD

21 MAY 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:

We are pleased to submit the following reports for your review. Enclosures (1) and (2) are the Phase I Limited Site Assessment Reports for underground storage tank (UST) sites TT-2302/2304 and TT-3546/3548. The sites are located in the Tarawa Terrace II housing area aboard Marine Corps Base, Camp Lejeune, North Carolina. A brief summary of each report is included below:

**TT-2302/2304:** A 550-gallon heating oil UST was removed July 26, 2001. Soil samples taken, after tank closure, indicated the presence of TPH-DRO, TPH-GRO, C<sub>9</sub>-C<sub>22</sub> aromatic compounds, naphthalene, 1,2,4 trimethylbenzene and 2-methylnaphthalene above State Action Levels. This Limited Site Assessment was conducted in response to a Notice of Regulatory Requirements dated January 29, 2002.

Additional sampling was performed in July 2002 and March 2003. Laboratory analysis of groundwater samples indicated the presence of naphthalene, 2-methylnaphthalene, C<sub>9</sub>-C<sub>18</sub> aliphatic and C<sub>9</sub>-C<sub>22</sub> aromatic compounds above Groundwater Quality Standards but below Gross Contaminant Levels. Naphthalene, 1,2,4-trimethylbenzene, 2-methylnaphthalene, and C<sub>9</sub>-C<sub>22</sub> aromatic compounds were also detected in the soil sample above Soil to Groundwater MSCCs but below Residential MSCCs. This site meets Residential use criteria and may qualify for Low Risk status.

**TT-3546/3548:** A 550-gallon heating oil tank was removed August 7, 2001. Soil samples taken, after tank closure, indicated the presence of TPH-DRO, TPH-GRO, C<sub>9</sub>-C<sub>22</sub> aromatic compounds above State action levels. This Limited Site Assessment was conducted in response to a Notice of Regulatory Requirements dated February 15, 2002.

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

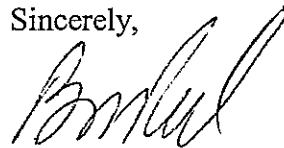
Subject: Time Extension  
USMC-Camp Lejeune, TT:2302, 3548,  
3140, PP: 3332, 3326, 3350, FC-40-3,  
and 1323-3  
Camp Lejeune, Onslow County

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

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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 13, 2003

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

Subject: Time Extensions  
USMC-Camp Lejeune, TT-2302/2304  
and TT-3546/3548  
Camp Lejeune, Onslow County

Dear Mr. Burton:

The Division has reviewed the subject time extension requests that were received by this office on January 10, 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

cc: WIRO-UST

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UNITED STATES MARINE CORPS

MARINE CORPS BASE

PSC Box 20004

Camp Lejeune, North Carolina 28542-0004

HEAD FILE

In reply refer to:

6287

BEMD

30 DEC 2002

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:

Camp Lejeune would like to formally request a second extension for submission of Phase 1 Limited Site Assessment Reports for Underground Storage Tank (UST) sites TT-2302/2304 and TT-3546/3548 in order to perform additional sampling. Your office requested Phase 1 LSAs for these UST sites through Notices of Regulatory Requirements dated January 29, 2002 and February 15, 2002, respectively. A time extension to December 1, 2002 was granted on May 30, 2002. We propose submitting the required reports to your office no later than February 28, 2003.

At TT-2302/2304, we were unable to retrieve a groundwater sample from beneath the tank pit due to interference from overhead utilities. A groundwater sample was obtained in the vicinity of the tank area and showed contaminants all below applicable levels. However, in order to better represent groundwater immediately beneath the former tank pit and fully characterize the site, we feel an additional groundwater sample is warranted.

At TT-3546/3548, neither soil nor groundwater samples taken during the LSA field effort exceeded applicable MSCCs or NCGWQS and GCLs. One sample taken from the bottom of the excavation (9'bls) during the tank removal in 2001 exceeded the C9-C22 Fraction Residential MSCC. Because groundwater is well below the depth of this sample (13'bls) and was clean, we would like to further characterize the soils beneath the former test pit. We plan on taking two (2) additional soil samples from 10'-14'bls in the vicinity of the former tank pit area. Through this we hope to provide a clearer understanding of the

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



January 29, 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. TT-2302  
Camp Lejeune, Onslow County, N.C.  
Risk: Unconfirmed  
Incident No. 23696

Dear Ms. Hall:

Information received by this office on January 22, 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.

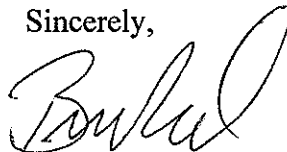
Ms. Nikki Hall  
January 29, 2002  
Page 3

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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