

## **Arnold GS11 Johanna E**

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**From:** Bruce Reed [Bruce.Reed@ncmail.net]  
**Sent:** Friday, February 01, 2008 4:41 PM  
**To:** Arnold GS11 Johanna E  
**Subject:** TT-2453 sites

Johanna:

I just signed letters which closed-out 2 incidents at TT-2453. There is still one remaining, incident # 3099, which was the gasoline release from 1985. This incident can not be closed until gw conditions meet the 2L standards, or we receive a NRP (LUR).

Thanks,

Bruce Reed  
WiRO-UST Section



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

February 1, 2008

Commanding Officer  
Attn: I&E/EMD/EQB, Dr. Johanna Arnold-  
UST Program Mgr., 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. TT-2453 Used Oil  
Tank  
Tarawa Boulevard, Camp Lejeune  
Jacksonville, Onslow County  
Incident Number: 32125  
Ranking: Low

Dear Dr. Arnold:

The Final Sampling Report with Site Closure Report 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 residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411 and that any contaminated groundwater that may have been associated with this incident has been cleaned up to the level of the standards or interim 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.

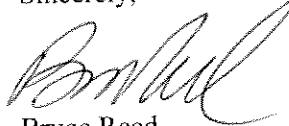
If soil contamination exceeds the lower of the soil-to-groundwater or residential MSCCs, public notice in accordance with 15A NCAC 2L .0409(b) is required. Thus, within 30 days of receipt of this letter, a copy of the letter must be provided by certified mail, or by posting in a prominent place, if certified 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 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

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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

February 1, 2008

Commanding Officer  
Attn: I&E/EMD/EQB, Dr. Johanna Arnold-  
UST Program Mgr., 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. TT-2453-5,6  
Tarawa Boulevard, Camp Lejeune  
Jacksonville, Onslow County  
Incident Number: 16268  
Ranking: Low

Dear Dr. Arnold:

The Final Sampling Report with Site Closure Report 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 residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411 and that any contaminated groundwater that may have been associated with this incident has been cleaned up to the level of the standards or interim 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.

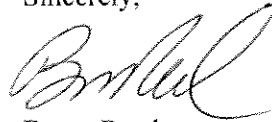
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Sincerely,



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**

**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**

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**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**

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Marine Corps Base Camp Lejeune  
EMD Document Routing Slip

Open  Closed

Info

111

Correspondence ID Number

Due Date

Tickler #

Review

Tickler Closed

Action

Outgoing

Routing

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Signature

FROM: DIRECTOR

TO: EQB

RETURN:

COPY:

SUBJECT: NOTICE OF NO FURTHER ACTION re: TT-2453-6, PETROLEUM UNDERGROUND STORAGE TANKS

COMMENTS:

*Bryan / Scott / Johanna - for your action. Please proceed with public notice if appropriate.  
MS  
JT*

ROUTING: Originator: J LEDFORD Initials: JCL Date: 2/6/2008

1. J TOWNSON Initials: *JMT* Date: 2/6/08

2. Initials: Date:

3. Initials: Date:

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*FEB 06 2008*



North Carolina Department of Environment and Natural Resources  
Wilmington Regional Office  
(910) 796-7215

Michael F. Easley, Governor

William G. Ross Jr., Secretary

FAX COVER SHEET

Date: 1/29/8 # pages 1 + cover  
 To: Johanna Arnold From: Bruce Reed  
 Co: EMD Division DWRM  
 Fax: 1-910-451-5997 FAX #: 910-350-2004

Remarks: IT-2453 Do you have any information to show this area is now below appropriate standards, etc. If not, pls schedule work accordingly. Thanks, Bruce Reed



**Department of Environment  
and Natural Resources**  
Wilmington Regional Office  
Division of Waste Management  
UST Section

Post-It® Fax Note	7671	Date	10-10-04	# of pages	5
To	ANDREW SMITH	From	B. REED		
Co./Dept.	EMD	Co.	UST SECTION		
Phone #		Phone #	910-796-7400		
Fax #	910-451-5997	Fax #			

NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENT AND NATURAL RESOURCES

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

March 24, 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. TT-2477-78-53  
Incident No. 23607, 7176, 16268,  
3099, and 32125

Dear Mr. Burton:

Thank you for submitting the subject report to the Division on March 17, 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. It appears that all of these sites will qualify for low risk classification as long as groundwater contamination levels remain minimal after the treatment systems have been shut down.
- The proposed soil testing needs to be expanded. The Division has sent letters concerning some of the soil assessment issues on September 27, 1999 and June 22, 2001. Attached are copies of these letters for your reference.
- The Division has assigned a residential land use classification to the subject sites.
- 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.
- The Division disagrees with the statement that recharge to the lower portions of the aquifer does not appear to occur in the area.
- Please incorporate MTBE and IPE into the sampling parameters.

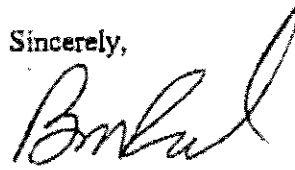
March 24, 2004

Page 2

- If any EPA Method 601 compounds were previously detected at the site, please add this analysis to the list of groundwater sampling analyses.

If you have any questions concerning this letter, please call 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

June 22, 2001

Ms. Nikki Hall, Environmental Engineer  
 Attention: Director, I & E/EMD/TRB  
 PSC Box 20004  
 Camp Lejeune, NC 28542-0004

Subject: Review of 2000 Monitoring Report  
 USMC-Camp Lejeune, Bldg.  
 TT-2477/2478  
 Onslow County

CC: TT-2453

Dear Ms. Hall:

Thank you for submitting the subject report to the Division on June 4, 2001. The Division has reviewed the report and offers the following comments:

- The recommendations in the report are acceptable to the Division. However, it is noted that soil conditions were not reevaluated. As you are aware, soil conditions must be reevaluated prior to closure where action levels were previously exceeded. If the soil reevaluation shows that soil contamination is not at acceptable levels, further treatment will be required.
- The subject report must be sealed by a NC Professional Engineer or NC Licensed Geologist, as we have already discussed. Therefore, the report is incomplete until it is sealed. Please see Page 132 of the Guidelines document if there is any question about which reports need to be sealed.
- Review of previous reports for site TT-2478 show that soil conditions were not evaluated around the transfer piping and pump island areas. Groundwater conditions were not evaluated beneath the pump island areas. Please conduct sampling in these areas to determine if these areas are contaminated.
- If no EPA Method 601 compounds were detected in the monitoring wells, the USMC may discontinue this test method for indicator sampling. However, these tests may be needed prior to closure if the compounds have previously been detected at the site.

Ms. Nikki Hall  
June 22, 2001  
Page 2

Please provide the above referenced assessment work by October 8, 2001 in order to achieve compliance with 15A NCAC 2L .0115(g). Also, please provide the *last* monitoring data obtained from the wells that were abandoned at TT-2453, as referenced in the May 14, 2001- letter addressed to Dr. Charles Stehman. The last monitoring data received for these wells appears to have been in 1997. Further comments concerning the system expansion at TT-2453 may be made after receiving this data. If you have any questions concerning this letter, please call me at (910) 395-3900.

Sincerely,



Bruce Reed  
Hydrogeologist II

BR

cc: WIRO-UST(3)

s: BruceVhall2477.mon

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

James B. Hunt, Jr., Governor  
Wayne McDevitt, Secretary

OPTIONAL FORM 99 (7-90)

**FAX TRANSMITTAL**

6 Oct 99  
# of pages ▶ 10 of 5

To	Lori Reuther	From	Nikki Hall
Dept./Agency	LANTDIV	Phone #	910.451.9610
Fax #	802624804	Fax #	.5997

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

**NORTH CAROLINA DEPARTMENT OF  
ENVIRONMENT AND NATURAL RESOURCES**

September 27, 1999

Ms. Nikki Hall  
United States Marine Corps  
PSC Box 20004  
Camp Lejeune, NC 28542-0004

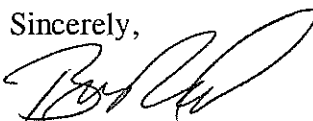
*This site  
has been included  
in T2477 area  
-no need to do  
-NH*

Subject: Review of Incident Closure Request  
USMC-Camp Lejeune-Bldg. TT-2453-5,6  
Incident No. 16268  
Camp Lejeune  
Onslow County

Dear Ms. Hall:

On this date, the Division completed a second review of the subject incident and the information that was received on July 28, 1995. Since the laboratory analytical results for the soil samples were above calculated SSE action levels, and groundwater violations (narrative standard) were detected, the Division can not approve of the no further action request for this site at this time. Please proceed with requirements under 15A NCAC 2L .0115. I suggest that the risk classification questionnaire be completed and submitted to the Division. If the site is still a low-risk site, then a Soil Assessment Report would be appropriate for this site as the next step. You may perform interim actions to lower the risk, or to remove secondary sources of contamination at any time.

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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