

**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**

August 4, 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

Subject: Review of Annual Monitoring Report  
USMC Camp Lejeune  
Bldg. TT-2477/2478  
Camp Lejeune, Onslow County  
Incident No. 23607 and 7176  
Risk: Low

Dear Dr. Arnold:

Thank you for submitting the subject report to this office on July 21, 2008. The UST Section has reviewed this report and offers the following comments:

- These incidents are eligible for No Further Action upon receipt of a Notice of Residual Petroleum/Land Use Restriction. Public notice will also be required.
- The last page of the report contained November 30, 2007 gauging data from the Campbell Street Fuel Farm incident.

If you have any questions concerning this letter, please contact me at (910) 796-7400.

Sincerely,

Bruce Reed  
Hydrogeologist II

Cc: WiRO-UST

s:\bruce\arnold2477-78AMR

Marine Corps Base Camp Lejeune  
EMD Document Routing Slip

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Correspondence ID Number

Due Date

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Review

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Signature

FROM: DIRECTOR

TO: EQB

RETURN:

COPY:

AUG 07 2008

SUBJECT: REVIEW OF ANNUAL MONITORING REPORT BLDGS TT-2477/2478, M232-236, LCH-4015

COMMENTS:

Byrne, for Johanna's action - jee

ROUTING: Originator: J LEDFORD Initials: JCL Date: 7/8/2008

1. CAPT ENGSTROM Initials: jee Date: 7/8/08

2. Initials: Date:

3. Initials: Date:

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**State of North Carolina  
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Wilmington Regional Office  
Division of Waste Management  
UST Section**



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

May 28, 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

Subject: Review of Final Soil Sampling  
Report  
USMC Camp Lejeune  
Bldg. TT-2477  
Iwo Jima Boulevard  
Jacksonville, Onslow County  
Incident No. 23607  
Risk Classification: Low

Dear Dr. Arnold:

Thank you for submitting the subject report to this office on May 7, 2008, and additional information received on May 21, 2008. The UST Section has reviewed this information and offers the following comment:

- Although a soil assessment was recommended at the conclusion of the report, this work does not appear to be necessary at this time. Soils around the MW-01 are reported to be below the industrial/commercial mscc's. This cleanup level is satisfactory for a low-risk site with an industrial/commercial land use as long as groundwater is below gross contamination levels, and the site has a Notice of Residual Petroleum prior to receiving a no further action letter. The Division understands that a groundwater monitoring report is being submitted in June 2008.

If you have any questions concerning this letter, please contact me at (910) 796-7400.

Sincerely,

Bruce Reed  
Hydrogeologist II

Cc: WiRO-UST  
s:\bruce\arnoldtt2477soil08

JUN 02 2008

Marine Corps Base Camp Lejeune  
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Review

Action

Routing

Signature

FROM: DIRECTOR

TO: EQB

RETURN:

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SUBJECT: REVIEW OF FINAL SOIL SAMPLING REPORT

TT-2477

COMMENTS:

*Brynn/Scott/Johanna - yours for action.*  
*JT*

ROUTING: Originator: J LEDFORD Initials: JCL Date: 5/30/2008

1. J TOWNSON Initials: *JT* Date: 5/30/08

2. Initials: Date:

3. Initials: Date:

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JUN 02 2008

*Original - Scott*  
*copy*  
*6/2/08*

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## Arnold GS11 Johanna E

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**From:** Smith GS12 Andrew  
**Sent:** Wednesday, January 23, 2008 10:12 AM  
**To:** Arnold GS11 Johanna E  
**Cc:** Nikki Hall (nikki.hall@catlinusa.com)  
**Subject:** FW: TT2477  
**Signed By:** stephen.a.smith2@usmc.mil

Here is the NCDENR response you are looking for; it was an email.

-----Original Message-----

**From:** Bruce Reed [mailto:Bruce.Reed@ncmail.net]  
**Sent:** Monday, March 05, 2007 3:38 PM  
**To:** Smith GS11 Andrew  
**Subject:** TT2477

Hi Andrew:

The Division has completed its review of the report for the subject site submitted on February 26, 2007. The base's recommendation is fine in regard to soil (resampling soil in one year). From the last partnering meeting, it looks like the base is also performing beinnial gauging and sampling for 30 monitoring wells.

Regards,

Bruce Reed  
WiRO-UST

**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**



March 14, 2006

Commanding General  
Attn: Director, I&E/EMD/EQB  
(Mr. Andrew Smith, Bldg. 12)  
PSC Box 20004  
MCB Camp Lejeune, NC 28542-0004

Subject: Request for Change in Sampling  
Frequency  
USMC-Buidlings 1613, FC-201East,  
S-2633, TT-2477-78, S-961-1  
Camp Lejeune  
Onslow County

Dear Mr. Smith:

On March 10, 2005, the Underground Storage Tank Section Wilmington Regional Office received your request for a change to biannual sampling at the subject incident sites. Based upon the information you have provided with your request for the change in sampling frequency, the request is approved. Please call me if you have any questions concerning this letter.

Sincerely,

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

March 24, 2004

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

TT2477  
TT2478  
TT2453

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

**State of North Carolina  
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Wilmington Regional Office  
Division of Waste Management  
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**Michael F. Easley, Governor  
William G. Ross Jr., Secretary  
Dexter R. Matthews, Director**



August 22, 2003

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

Subject: Review of 2002 Monitoring Report  
USMC-Camp Lejeune, Bldg.  
TT-2477/2478  
Onslow County  
Incident No. 23067

Dear Ms. Hall:

Thank you for submitting the subject report to the Division on July 16, 2003, and corrected drawings on August 19, 2003. The Division has reviewed the report and concurs with the recommendations.

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

Sincerely,

Bruce Reed  
Hydrogeologist II

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

Dear Ms. Hall:

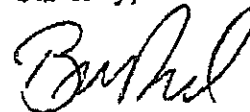
Thank you for submitting the subject report to the Division on June 4, 2001. The Division has reviewed the report and offers the following comments:

- 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.

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:\bruce\hall2477.mon

Post-it® Fax Note	7871	Date	6-5-01	# of pages	2
To	Andrew Smith	From	Bruce Reed		
Co./Dept.	EMD-USAC	Co.	NCDWM		
Phone #		Phone #	910-796-7400		
Fax #	1-910-451-5997	Fax #			