

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



Beverly Eaves Perdue, Governor  
Dee Freeman, Secretary  
Dexter R. Matthews, Director

December 7, 2009

Commanding Officer  
Attn: I&E/EMD/EQB (Mr. Nick Schultz, Bldg. 12)  
PSC Box 20004  
MCB Camp Lejeune, NC 28542-0004

Subject: System Shut-Down  
AS-4158-1,2  
Camp Lejeune, Onslow County  
Incident No. 10804  
Current Risk: Intermediate

Dear Mr. Schultz:

Thank you for submitting the subject request to the Division on November 20, 2009. The Division has no objection to Camp Lejeune's request of shutting-down the treatment system at the subject site at this time. Please remember that a Notice of Residual Petroleum will be required at this site prior to incident closure if groundwater contamination exceeds 15A NCAC 2L standards.

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

Sincerely,

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

Bruce Reed  
Hydrogeologist II

Cc: WiRO-UST

S:\bruce\schultz4158sd.dec

Marine Corps Base Camp Lejeune  
EMD Document Routing Slip

Open  Closed

Info   
Review   
Action   
Routing   
Signature

1372  
Correspondence ID Number

                      
Due Date

Tickler #   
Tickler Closed   
Outgoing   
Incoming

FROM: DIRECTOR  
TO: EQB  
RETURN:  
COPY:

SUBJECT: SYSTEM SHUT DOWN AS-4158-1,2

COMMENTS: Bryan / Thomas / Nick - fix it action.  
JMT

ROUTING: Originator: J LEDFORD Initials: JCL Date: 12/9/2009  
1. J TOWNSON Initials: JMT Date: 12/14/09  
2. Initials: Date:  
3. Initials: Date:

RECEIVED DEC 09 2009

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Working Electronic Copy Location Date filed: Filed by:

LINK TO WORKING:

Thomas - original  
Nick - copy  
12/14/09

Special Mailing Instructions:

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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**

June 9, 2008

Commanding Officer  
Attn: I&E/EMD/EQB (Dr. Johanna Arnold, Bldg. 12)  
PSC Box 20004  
MCB Camp Lejeune, NC 28542-0004

Subject: Review of 2007-2008 Annual  
Monitoring Report  
AS-4158-1,2  
Camp Lejeune, Onslow County  
Incident No. 10804

Dear Dr. Arnold:

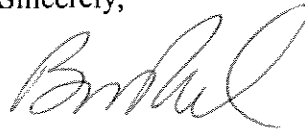
Thank you for submitting the subject report to the Division on June 2, 2008. The recommendations in the report are satisfactory. Below are some specific comments from review of the subject report:

- Please note that the Division was under the impression that soil contamination levels met the soil-to-groundwater mscc's (Soil Assessment Report December 2004). Excavation of soil at this time is a judgement call to alleviate a reported 0.01 feet of free product detected in MW-9, and the Base may certainly proceed with this work. Has this detection of product been confirmed with chalk and pastes? What was the observation of the top of the water/fluids present in the bailer the last two sampling events? The regulatory definition of free product, according to Section guidelines, is any accumulation of a substance greater than or equal to 1/8 inch (0.010417 feet) in contact with groundwater or perched on the water table, with a density less than or greater than water, and existing as a non-aqueous phase liquid (i.e., not dissolved in water). So, technically, 0.01 feet is less than the definition amount. Also, with only 0.01 feet of product in MW-9, it may have been prudent to sample this well for dissolved constituents.

- The Base informed the Division in an August 9, 2007 meeting that they were re-activating the AS/SVE system at this site. In a November 20, 2007 meeting, it was stated that the system had been re-activated in August 2007. In Section 2.4 of the subject report, no mention of these current events was mentioned. It was stated in the report that the AS/SVE system was shut down on January 9, 2006. Please send us a clarification on this issue.
- Please note that the 15A NCAC 2L standard for ethylbenzene was changed from 29 ug/l to 550 ug/l, over 3 years ago.
- It was noted on the sampling data sheet that a sorbent sock was in MW-9 on March 26, 2008. When was the sock placed in this well? What percentage of the sock was saturated with product on March 26, 2008? Was the sock replaced on March 26, 2008? Important aspects such as this should be discussed and noted in the text of the report, and possibly presented in a table.

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

Sincerely,



Bruce Reed  
Hydrogeologist II

cc: WiRO-UST

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Marine Corps Base Camp Lejeune  
EMD Document Routing Slip

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Info

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Correspondence ID Number

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Signature

FROM: DIRECTOR

TO: EQB

RETURN:

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SUBJECT: REVIEW OF 2007-2008 ANNUAL MONITORING REPORT

COMMENTS:

*Byrd / Johnson - yours for action.*  
*JMT*

ROUTING: Originator: J LEDFORD Initials: JCL Date: 6/11/2008

1. J TOWNSON Initials: *JMT* Date: 6/11/08

2. Initials: Date:

3. Initials: Date:

Hard Copy Location: Bldg 12 Room: 241 Date filed: Filed by:

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LINK TO WORKING:

*Johnson - original*  
*6/16/08*

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State of North Carolina  
Department of Environment  
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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

December 22, 2005

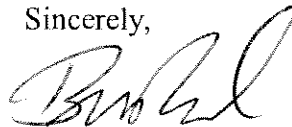
Commanding General  
Attn: I&E/EMD/EQB (Mr. Andrew Smith, Bldg. 12)  
PSC Box 20004  
MCB Camp Lejeune, NC 28542-0004

Subject: Review of Letter Concerning Change  
in Remedial Action Optimization/  
Revised Corrective Action Plan  
AS-4158-1,2  
Camp Lejeune, Onslow County  
Incident No. 10804  
Risk: H135D

Dear Mr. Smith:

Thank you for submitting the subject letter to the Division today. The recommendations in the letter are satisfactory at this time. The Division of Water Quality, Aquifer Protection Section, has been apprised of the situation, and has no objections to the changes noted in your letter. You may implement the proposed changes immediately. The risk of the incident will not be changed until the Division has proof that the product will not return after the treatment system is shut-down. If you have any questions concerning this letter, please contact me at (910) 796-7426.

Sincerely,



Bruce Reed  
Hydrogeologist II

cc: WiRO-APS  
WiRO-UST

s:\bruce\smith4158.rev

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

September 12, 2005

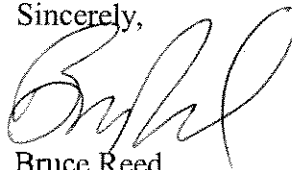
Commanding General  
Attn: I&E/EMD/EQB (Mr. Andrew Smith, Bldg. 12)  
PSC Box 20004  
MCB Camp Lejeune, NC 28542-0004

Subject: Review of Report Entitled  
"Remedial Action Optimization and  
Revised Corrective Action Plan"  
AS-4158-1,2  
Canal Street  
Camp Lejeune, Onslow County  
Incident No. 10804  
Risk: H135D

Dear Mr. Smith:

Thank you for submitting the subject report to the Division on September 8, 2005. The recommendations in the report are satisfactory at this time. The Division of Water Quality, Aquifer Protection Section, has also reviewed the report and offers no objections to the proposed work. The delineation of the free-product area must be accomplished by January 15, 2006. If you have any questions concerning this letter, please contact me at (910) 796-7426.

Sincerely,



Bruce Reed  
Hydrogeologist II

cc: WiRO-APS  
WiRO-UST

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## Hall GS11 Nicole L

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**From:** Bruce Reed [Bruce.Reed@ncmail.net]  
**Date:** Monday, February 21, 2005 1:05 PM  
**To:** Hall GS11 Nicole L  
**Subject:** AS-4158 SAR

Hi:

I have reviewed the subject report. Soils appeared ok. Will file.  
Call me if you need to talk about the incident(s).

Bruce

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 12, 2004

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

Subject: Review of Annual Monitoring  
Report  
USMC-Camp Lejeune, AS-4158  
Incident No. 10804  
High Risk Classification

Dear Mr. Burton:

Thank you for submitting the subject report to the Division on March 5, 2004. The Division has reviewed the report and offers the following comments:

- The recommendations presented in the report are satisfactory.
- The Division has not been able to locate sampling information from the dispensers. It is recommended that this assessment be conducted immediately. Please submit this information to the Division by June 16, 2004.

Thank you for your attention to this matter. If you have any questions concerning this letter, please call me at (910) 395-3900.

Sincerely,

Bruce Reed  
Hydrogeologist II

cc: WiRO-GWS  
WiRO-UST

s:\bruce\burton4158.mar

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

James B. Hunt, Jr., Governor  
Bill Holman, Secretary



September 30, 1999

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

Subject: Notice of No Further Action  
USMC-Camp Lejeune, AS-4158-3  
Incident No. NA  
Camp Lejeune  
Onslow County

Dear Ms. Hall:

On September 29, 1999, the Division completed a review of the tank closure report for the subject site. Since no petroleum was detected at this site, and the metals levels were low, no further action is required by the UST Section at this time.

If you have any questions concerning this notice, please contact Bruce Reed at (910) 395-3900.

Sincerely,

Patricia C. Coughlan  
UST Regional Supervisor

PC/BR

cc: WiRO-UST

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