



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management
UST Section

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

July 9, 2009

Commanding Officer
Attn: I&E/EMD, Mr. Thomas Burton, Bldg. 12
PSC Box 20004
MCB Camp Lejeune, NC 28542-0004

Subject: Review of Report Entitled
"Annual Groundwater Monitoring
Report, 2008-2009 Building 1613"
Incident No. 20660
West Road, Camp Lejeune
Onslow County

Dear Mr. Burton:

Thank you for submitting the subject report to the Division on June 30, 2009. The Division has reviewed the report and offers the following comments and/or concerns:

- Please add MADEP EPH to the list of compounds to be sampled for during the next year. Also, please change the volatile organic sampling to SM 6200B with IPE and MTBE, if available. Otherwise, please use EPA 8260B with IPE and MTBE for the next year of sampling.
- Please remember to show outlines of former UST locations on figures. Also, outlines of previous soil excavations also aid the review process.
- Please obtain a groundwater sample from the former location of HP-11 and submit the results to my attention as soon as possible.

If there are any questions concerning this letter, please call me at (910) 796-7400.

Regards,

Bruce Reed
Hydrogeologist II

Cc: WIRO-UST

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SUBJECT: REVIEW OF REPORT "ANNUAL GROUNDWATER MONITORING REPORT, 2008-2009, BLDG 1613, INCIDENT NO. 20660

COMMENTS: *Bpwr/Thomas - yours for action. Note HP-11 groundwater sample abs ap.*
AM

ROUTING: Originator: J LEDFORD Initials: JCL Date: 7/15/2009
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Thomas - original
7/16/09

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

July 29, 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. 1613
Gum and West Street
Camp Lejeune, Onslow County
Incident No. 20660, New Risk: Int.


Dear Dr. Arnold:

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

- The recommendations in the report are approved.
- The site has been re-ranked as intermediate risk due to the exceedances of gross contamination levels.

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
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SUBJECT: REVIEW OF ANNUAL MONITORING REPORT - Bldg 1613

COMMENTS: Bryan / Scott / Johnson -
fyi + action.
JMT

ROUTING: Originator: J LEDFORD Initials: JCL Date: 7/31/2008

1. J TOWNSON Initials: JMT Date: 7/31/08

2. Initials: Date:

3. Initials: Date:

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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

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,

Bruce Reed
Hydrogeologist II

cc: WiRO-UST

bruce\smithtime2yrsamp.mar

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 23, 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. 1613
Incident No. 20660
Low 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 in the report are acceptable at this time, except as noted below. The site has been reclassified as low risk. Intermediate risk classification may be reactivated based upon rebound monitoring results.
- *2 soil samples + compare to residential.* * The report referenced that soil cleanup levels would be to industrial maximum soil contaminant concentrations (mscc's). Since vacant property borders the site on several sides, the Division has assigned a residential land use classification to the site. This will alter the proposed soil cleanup levels.
- 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.

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

Sincerely,

Bruce Reed
Hydrogeologist II

cc: WiRO-UST

s:\bruce\burton820.mar



UNITED STATES MARINE CORPS
MARINE CORPS BASE
PSC Box 20004
Camp Lejeune, North Carolina 28542-0004

READ FILE

In reply refer to:

6287

BEMD

23 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:

The Annual Monitoring Report for Building 1613 is enclosed for your review. This site is located in the Hadnot Point area aboard Marine Corps Base, Camp Lejeune, North Carolina.

Four underground storage tanks used to store gasoline, ranging in size from 9,000 to 30,000 gallons, were removed in January 1995. These tanks were replaced by above ground storage tanks. In accordance with Catlin's Corrective Action Plan (April 6, 1998), Shaw installed an AS/SVE treatment system in 1998. The system was expanded in April 2001. During 2002, approximately 3,000 pounds or 8.7 lb/day of hydrocarbons were recovered. Dissolved contaminant concentrations continue to display a decreasing trend at this site; however, levels remain above North Carolina Groundwater Quality Standards. System operation and semiannual groundwater sampling will continue throughout 2003 in order to ensure soil cleanup at the site.

If you have additional 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

Enclosure: Annual Monitoring Report for Building 1613 May 2003

7 May 2001

FAX TRANSMITTAL

of pages ▶ 1/2

To Lori Reuther / Jim Dunn	From N. Hall
Dept./Agency LANTDIV / OTHM	Phone # 910.451.9610
Fax #	Fax # .5997
NSN 7540-01-317-7368	5099-101 GENERAL SERVICES ADMINISTRATION

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

NCDENR
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

April 27, 2001

Ms. Nikki Hall
EMD/IRB
Marine Corps Base
PSC Box 20004
Wilmington, NC 28542-0004

RE: Notice of Regulatory Requirements
15A NCAC 2L .0115(f)
USMC-Camp Lejeune-Bldg. 1613
West Street
Camp Lejeune, Onslow County
Incident No. 20660
High Risk Classification

Dear Ms. Hall:

The UST Section of the Division of Waste Management, Wilmington Regional Office has reviewed the Corrective Action Plan* received on July 1, 1998 for the above-referenced incident. The UST staff agree with both the plan and the schedule with the following modifications:

The proposed system modifications received on April 6, 2001, are acceptable to the Division.

Since no EPA Method 601 compounds have been recently detected at the site, these tests may be suspended at the site until further notice. EPA Method 625 testing may also be suspended at this time, as only naphthalene has been detected. However, these tests may be needed prior to incident closure.

In accordance with 15A NCAC 2L .0115(j), notification of the proposed plan was provided to the required persons for a 30-day public comment period that ended on April 30, 1998. No public comments were received.

*For purposes of this notice, corrective action plan means a plan that proposes to remediate groundwater contamination through an engineered treatment process, a monitoring plan that proposes to remediate groundwater contamination through natural processes, or a plan that proposes a combination of these remedies.

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

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

18 Oct 99
of pages ▶ 1 of 1

To <i>Lori Reuther</i>	From <i>Nikki Hall</i>
Dept./Agency	Phone #
Fax #	Fax #

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

*p. action
to
verify.*



Info sent 1/2001

October 11, 1999

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

Subject: Review of Comprehensive Site
Assessment Report
USMC-Camp Lejeune-1613, 1-4
Incident No. Pending
Camp Lejeune
Onslow County

Dear Ms. Hall:

The Division recently completed a review of the subject incident and the above-referenced report. The report is incomplete because it does not adequately address assessment of the transfer piping and dispenser islands associated with the former UST systems. Please have your consultant complete the assessment of these areas. No comments will be made on the Corrective Action Plan that was submitted on July 1, 1998, until the assessment is complete.

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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OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

18 Oct 99
of pages ▶ 1 of 1

To <i>Jim Dunn</i>	From <i>Nikki Hall</i>
Dept./Agency <i>OHM/IT</i>	Phone # <i>910.451.9610</i>
Fax # <i>770.777.8165</i>	Fax # <i>.5997</i>

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