

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, Interim Director



December 17, 2001

• Public Notice
complete 26-28 Jan 02

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

Subject: Notice of No Further Action
15A NCAC 2L .0115(h)
USMC-Camp Lejeune, Bldg. M-171-1.2,3,4
Harlem Dr., Camp Lejeune, Onslow County
Incident No. 22824
Low Risk Classification

Dear Ms. Hall:

On December 14, 2001, the Division of Waste Management (DWM) Wilmington Regional Office received a Soil Assessment Report with Site Closure Request for the above-referenced site. A review of the report shows that soil contamination does not exceed the residential maximum soil contaminant concentrations established in 15A NCAC 2L .0115(m). This report was submitted in response to an additional information request from the Division's review of an UST Closure Report.

Based on information provided to date, the DWM determines that no further action is required for this incident. This determination is conditional pending completion of the public notice specified below. Once proper public notice has been given, this determination will apply unless the DWM later determines that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment.

Ms. Nikki Hall
December 17, 2001
Page 2

Pursuant to 15A NCAC 2L .0115(e), the USMC has a continuing obligation to notify the DWM of any changes that it knows of or should know of, that might affect the level of risk assigned to the discharge or release. Such changes include, but are not limited to, changes in zoning of real property, use of real property or the use of groundwater that has been contaminated or is expected to be contaminated by the discharge or release, if such change could cause the DWM to reclassify the risk. Please note that this responsibility not only pertains to changes involving the property on which the release occurred, but to changes involving the surrounding properties as well.

Please be advised that the USMC must comply with the public notice requirements of 15A NCAC 2L .0115(k) as specified below since contaminated soil has not been restored to the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations. **If public notice is not provided as required, this no further action determination will be deemed invalid.** Within **30 days** of receipt of this no further action notice, the USMC must provide a copy of this notice to the following persons:

- local health director;
- chief administrative officer (i.e., Mayor, Chairman of the County Commissioners, County Manager, City Manager or other official of equal or similar position) 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.

Copies of this no further action notice must be sent to the persons listed above by certified mail. If it is impractical to provide notice by certified mail to the occupants of apartment buildings, condominiums, office buildings, etc., the USMC may post a copy of this notice in a prominent place where the occupants are most likely to see it.

Within **60 days** of receiving this no further action notice, you must provide the DWM Wilmington Regional Office with proof of receipt of the copy of the notice or of refusal by the addressee to accept delivery of the copy of the notice. If a copy of the notice is posted, the USMC must provide the DWM with a description of the manner in which the notice was posted.

Ms. Nikki Hall
December 17, 2001
Page 3

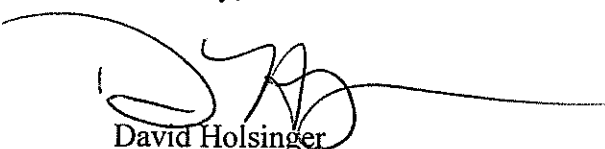
Interested parties may examine the Soil Assessment Report with Site Closure Request by contacting Ms. Nikki Hall at (910) 451-9610. The DWM Wilmington Regional Office has the Soil Assessment Report with Site Closure Request along with other site information on file and available for public review. Interested parties may arrange to review this information by contacting the regional office as listed below. In addition, comments on the Soil Assessment Report with Site Closure Request may be submitted to the regional office.

Bruce Reed
Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, N C 28405
(910) 395-3900

Please be advised that the USMC must close any monitoring wells or injection wells used to investigate or remediate this incident in accordance with 15A NCAC 2C .0113 and .0214, respectively. For guidance on closure of infiltration galleries, please contact the Wilmington Regional Office.

Should the USMC have any questions concerning this notice, please contact Bruce Reed at (910) 395-3900.

Sincerely,



David Holsinger
UST Regional Supervisor

DH/BR

Attachment: Well Abandonment Form

cc: Ruth Strauss
George O'Daniel (Onslow County Health Director)
WiRO-UST

s:\bruce\hall171.nfa

WELL ABANDONMENT RECORD WELL CONTRACTOR _____
WELL CONTRACTOR CERTIFICATION # _____

1. WELL USE (Check Applicable Box): Residential Municipal Industrial Agricultural Monitoring
Recovery Heat Pump Water Injection Other If Other, List Use: _____

2. WELL LOCATION: (Show a sketch of the location on back of form.)
Nearest Town: _____ County _____

(Road Name and Number, Community, Subdivision, Lot No.) _____ Quadrangle No. _____

3. OWNER: _____

4. ADDRESS: _____

5. TOPOGRAPHY: draw, slope, hilltop, valley, flat
(circle one)

6. TOTAL DEPTH: _____ DIAMETER _____

7. CASING REMOVED:
feet diameter

8. DISINFECTION: _____
(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:
Neat Cement Sand Cement
bags of cement _____ bags of cement _____
gallons of water _____ gallons of water _____
Other
Type material _____
Amount _____

10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED _____

I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well _____ Date _____

WELL LOCATION: Draw a location sketch on the reverse of this sheet, showing the direction and distance of the well to at least two (2) nearby reference points such as roads, intersections and streams. Identify roads with State Highway road identification numbers.

Submit original to the Division of Water Quality, Groundwater Section, one copy to the owner within 30 days from completion of abandonment.

26 Mar 2001

FAX TRANSMITTAL

of pages > 1/4

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

To	Mike E. Mason	From	Nikki Hall
Dept./Agency	Catlin	Phone #	910.451.9610
Fax #	910.452.7563	Fax #	5997
NSN 7540-01-317-7368		5099-101	GENERAL SERVICES ADMINISTRATION

NC DENK
 NORTH CAROLINA DEPARTMENT OF
 ENVIRONMENT AND NATURAL RESOURCES

Michael F. Easley, Governor
 William G. Ross Jr., Secretary

January 24, 2001

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

RE: Review of UST Closure Report
 USMC-Camp Lejeune-Bldg. 171-1,2,3,4
 Camp Lejeune
 Onslow County, N.C.
 Initial Risk: Intermediate
 Incident No. Pending

Should be
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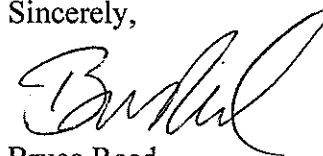
Dear Ms. Hall:

Thank you for submitting the subject report to this office on November 27, 1994. The Division's review of this report indicates that it is incomplete for the following reasons:

- Line samples were not obtained from the former used oil and gasoline UST systems.
- Proper analytical methods were not utilized in some areas, notably the island areas.
- Analytical results were not found for sample I.D. number LRO158-2. This was a sample collected around the former used oil UST.

Please address the above items by May 24, 2001 in order to complete the subject report. Thank you for your cooperation regarding this matter.

Sincerely,



Bruce Reed
 Hydrogeologist II

BR

cc: WiRO-UST
 s:\ust\bruce\hall171.add

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

January 24, 2001

CERTIFIED MAIL 7099 3400 0003 7009 2681
RETURN RECEIPT REQUESTED

Ms. Nikki Hall
United States Marine Corps
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. 171-1,2,3,4
Camp Lejeune
Onslow County, N.C. ↳ M171
Incident No. Pending =

Dear Ms. Hall:

Information received by this office on November 27, 1994, 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 January 1998 *Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater, Volume II* ("the Guidelines"). The Guidelines are available on the Internet at <http://ust.ehnr.state.nc.us> or may be purchased from the UST Section for a fee of \$7.00. 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.

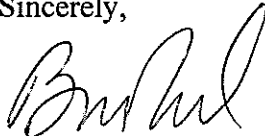
Ms. Nikki Hall
January 24, 2001
Page 3

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: Ruth Strauss
County Manager
WiRO-UST

s:\bruce\hall171.jan



State of North Carolina
Department of Environment, Health, and Natural Resources

Wilmington Regional Office
Division of Environmental Management
Groundwater Section

James B. Hunt, Jr.
Governor

Jonathan B. Howes
Secretary

July 22, 1996

Mr. Paul Humphrey
MCB
ATTN AC/S EMB/IRD
PSC Box 20004
Camp Lejeune, NC 28542-0004

Subject: **Underground Storage Tank Site**
USMC-Camp Lejeune, Bldg M-101-1,2,3
Marine Corps Base, Camp Lejeune
Onslow County

Dear Mr. Humphrey:

I am in receipt of your FAX dated May 15, 1996, wherein you requested closure for the above referenced site. Please find enclosed a letter from this office to General McCorkle dated January 11, 1996, requesting no further action at this time. If this response is unsatisfactory, or if you have any questions, please call me at (910) 395-3900.

Sincerely,

Patricia C. Coughlan
Hydrogeologist Technician II

PCC/

cc: WiRO
gws\Patricia\USMC\M101-123.NFA

*Please educate me out to
these letters.*
Jhu
7-23



State of North Carolina
Department of Environment, Health, and Natural Resources

Wilmington Regional Office

James B. Hunt, Jr.
Governor

DIVISION OF ENVIRONMENTAL MANAGEMENT
Groundwater Section

Jonathan B. Howes
Secretary

January 11, 1996

CERTIFIED MAIL P 574 584 510
RETURN RECEIPT REQUESTED

Major General Fred McCorkle
Commanding General
EA Dept (LN)
MCAS
PSC Box 8006
Cherry Point, North Carolina 28533-0006

Subject: Five Well Site Check Report
Tactical Aviation Fuel Distribution System
Marine Corps Auxiliary Landing Field
Bogue, Carteret County
and Three Well Site Check Report
USMC Camp Lejeune
~~UST M=101-1~~
Jacksonville, Onslow County

Dear General McCorkle:

The Division of Environmental Management (DEM), Groundwater Section, is in receipt of the subject reports, received March 3, 1995 and March 31, 1995 respectively.

The five well site check report was submitted due to a hydrocarbon seep identified in March 1993 on the east wall of a drainage swale between runways 18 and 23 and near two above ground fuel bladders. A magnetometer survey showed metallic anomalies between the seep location and an unpaved road. Analytical samples indicate that the wells have been impacted by methylene chloride from an undetermined source west of the swale, and by a kerosene-based fuel.

Based on the results of this report the Division of Environmental Management recommends that further investigative work be performed at this site to determine the source of the methylene chloride contamination and further delineate the total extent of the groundwater contamination at this site.

The second report received was for a three well site check at Camp Lejeune Marine Corps Base for UST M-101-1. The UST abandoned was a single 500-gallon waste oil tank constructed of single-walled steel.

General McCorkle
January 11, 1996
Page Two (2)

Analytical results in the report for investigations conducted at UST M-10101 found no groundwater contamination. The report suggests that the oil and grease concentrations found in soil borings at MW-3 are anomalous. The Division is in basic agreement with this report. Based on the findings of the investigation at this site, the Division does not request any further action.

Should you have questions, please contact Diane Rossi or myself at (910) 395-3900.

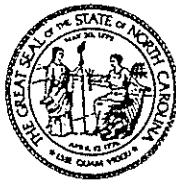
Sincerely,

Charles F. Stehman, Ph.D., P.G.
Environmental Supervisor I

CFS/CDR

cc: WiRO-GWS

G.W. Radford, Environmental Engineer (USMC)



State of North Carolina
Department of Environment, Health, and Natural Resources

James B. Hunt, Jr.
Governor

Wilmington Regional Office
DIVISION OF ENVIRONMENTAL MANAGEMENT
Groundwater Section

Jonathan B. Howes
Secretary

January 11, 1996

CERTIFIED MAIL P 574 584 510
RETURN RECEIPT REQUESTED

Major General Fred McCorkle
Commanding General
EA Dept (LN)
MCAS
PSC Box 8006
Cherry Point, North Carolina 28533-0006

Subject: Five Well Site Check Report
Tactical Aviation Fuel Distribution System
Marine Corps Auxiliary Landing Field
Bogue, Carteret County
and Three Well Site Check Report
USMC Camp Lejeune
UST M-101-1²
Jacksonville, Onslow County

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General McCorkle
January 11, 1996
Page Two (2)

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Should you have questions, please contact Diane Rossi or myself at (910) 395-3900.

Sincerely,

Charles F. Stehman, Ph.D., P.G.
Environmental Supervisor I

CFS/CDR

cc: WiRO-GWS
G.W. Radford, Environmental Engineer (USMC)



State of North Carolina
Department of Environment, Health, and Natural Resources

James B. Hunt, Jr.
Governor

Wilmington Regional Office
Division of Water Quality
Groundwater Section

Jonathan B. Howes
Secretary

July 23, 1996

Mr. Paul Humphrey
USMC/MCB
ATTN AC/S EMD/IRD
PSC Box 20004
Camp Lejeune, NC 28542-0004

**Subject: REQUEST FOR SITE CLOSURE
UNDERGROUND STORAGE TANK SITE
Site M-178-1**

Dear Mr. Humphrey:

The Division of Water Quality (DWQ), formerly the Division of Environmental Management, has received your request for site closure at the above referenced site. Since low fraction petroleum soil contamination remains at the site, your request for site closure cannot be granted. However, because all known soil contamination is below the Site Sensitivity Evaluation clean up level of 160 parts per million for low fraction fuels, no further action is necessary at this time.

Should you have questions concerning this letter or require additional information, please call Patricia Coughlan at (910) 395-3900.

Yours very truly,

A handwritten signature in black ink, appearing to read "C. F. Stehman".

Charles F. Stehman, Ph.D., P.G.
Environmental Supervisor I

CFS/PCC/

cc: WiRO-GWS

s:\PATRICIA\USMC\M-178-1.NFA