

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

February 28, 2006

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 Addendum Report"
Campbell Street Fuel Farm
AS-142/143-1
Campbell and White Streets
Camp Lejeune, Onslow County
Incident No. 23297
Intermediate Risk Classification

Dear Mr. Smith:

Thank you for submitting the subject report to the Division on February 23, 2006. The recommendations in the report are satisfactory. However, the Division suggests sampling the wells listed on the attached Table 2B, with the exception of 13DW-1 which is already in the gauging plan, since these wells have not been gauged or sampled since 1992 or 1993.

Please note that the Division never specified in its June 28, 2005 letter that the gauging should be done on a monthly basis as indicated on Page 9 of the subject report.

On Page 10 of the report, reference is made to abandoning soil borings with cuttings. Please assure that the soil borings are sufficiently sealed to prevent downward migration of stormwater. The fact that some of the borings were at a fuel farm also presents concern for creating a preferential pathway for any fuel that accidentally may be spilled to move easily downward. If any of these borings penetrated the water table, then the borings must be abandoned in accordance with 15A NCAC 2C.

TABLE 2B
GROUNDWATER SAMPLING HISTORY
BUILDING AS-4151 AREA
CAMPBELL STREET FUEL FARM
REMEDIAL ACTION OPTIMIZATION & CORRECTIVE ACTION PLAN ADDENDUM REPORT
MARINE CORPS AIR STATION, NEW RIVER, NORTH CAROLINA

WELL ID.	DATE INSTALLED	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	LAST DATE ABOVE 2L GWQS
TYPE III MONITORING WELLS																
13DW-1	12/1/1991		X				X	X	X	X	X	X	X	X	X	6/22/2005
122DW-1	6/23/1992	X														NON-CONCLUSIVE
122DW-2	6/24/1992	X														NON-CONCLUSIVE
RECOVERY WELLS																
122RW-1	1/31/1993		X													NON-CONCLUSIVE
RWC-1	UNKNOWN															NO DATA
RWC-2	UNKNOWN															NO DATA
4151RW-1	UNKNOWN															NO DATA

1 The information presented within for 1992 to 2002 is based on data obtained from the following reports
 Corrective Action Plan Building AS-4151, MC AS New River, North Carolina, Baker Environmental, Inc., July 29, 1994
 Final Annual Monitoring Report, Campbell Street Fuel Farm, Marine Corps Base Camp Lejeune, North Carolina, Shaw Environmental, Inc, January 2004
 2 2003, 2004 & 2005 data provided by Engineering and Environment, Inc
 3 Last date above 2L GWQS = The last date in which a contaminant of concern was above the 2L GWQS for each monitoring well as determined by others
 4 NO DATA = No sampling records available for these wells
 5 Shading indicates well not located or abandoned Data from these wells is from previously submitted reports
 6 Non-conclusive indicates that well has not been recently sampled. Therefore, current conditions in comparison to the 2L GWQS is not known for the well indicated

Marine Corps Base Camp Lejeune
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ADMIN 25
Correspondence ID Number: _____ Due Date: _____ / _____ / _____ Interim Review Due Date

Subject: NCDENA - 28 FEB 06 - Report Review Remedial ACTION OPTIMIZATION
+ REUSED COLLECTIVE ACTION PLAN ADDENDUM REPORT

Comments: Byron Andrew - please take for action
Recommendations in letter, TX
83

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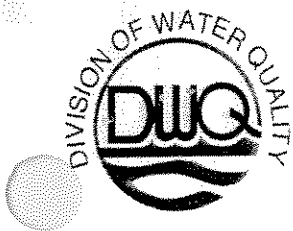
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Andrew's original is 3/3/06



Michael F. Easley, Governor

William G. Ross Jr., Secretary
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P.E. Director
Division of Water Quality

November 3, 2005

Commanding General
Attn: I&E/EMD/EQB
Mr. Andrew Smith
Building 12
PSC Box 20004
MCB Camp Lejeune, North Carolina 28542-0004

Subject: **Review of Soil Contamination Report
Campbell Street Fuel Farm, Camp Lejeune
Onslow County, Incident No. 87537**

Dear Mr. Smith:

On October 4, 2005, the Division of Water Quality (DWQ), Aquifer Protection Section received the subject report. This report was submitted on behalf of the Commanding General, MCB, Camp Lejeune, by Engineering and Environment, Inc. Thank you for this report.

According to the report, approximately 200 gallons of jet fuel was released from a sample port along AST piping. The soil was excavated; however, laboratory results indicated that residual soil contamination remains at three of the sampled areas above DWQ action limits. No soil samples were taken along the northeastern section of the excavated area. No groundwater samples were taken. Additionally, the report indicates that the excavated soils were stockpiled on the site and were not removed.

Due to the confirmed presence of residual contamination in the soils at the site, the Aquifer Protection Section requests that the extent of soil contamination be defined through the procurement of additional soil samples. Subsequent delineation, DWQ recommends that additional soil excavation, to remove remaining soil contamination, be initiated to the extent possible, taking into accounts site specific constraints such as AST piping and concrete pads, buildings, etc. Any stockpiled soils should be removed from the site for disposal at a properly permitted facility or, if the volume is less than 50 yd³, a GW-71 (Certificate of Approval for Disposal) could be submitted for approval of land application of the soil, within 45 days of initial storage.

DWQ also requests that one monitoring well located on the east side (downgradient direction) of the excavated area be installed and sampled for analysis per appropriate methods as outlined in the Groundwater Section Guidelines for Investigation and Remediation of Soil and Groundwater, July 2000, to verify whether or not groundwater contamination in the vicinity of the release has occurred. The Aquifer Protection Section is aware that a number of monitoring wells currently exist at the site; however, the closest well to the source area of the release is 70 feet away in the documented upgradient direction.

Please proceed with the proposed activities. If you have questions, please contact me or Ginny Henderson at 910-796-7215.

Yours very truly,

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

CFS/GMH

cc: WIRO-APS
William Morris, Jr., P.G.

Engineering and Environment, Inc.
824 Gum Branch Road
Jacksonville, NC 28546

Ginny\Campbell Street Fuel Farm SCR Response.nov2005

One
North Carolina
Naturally

North Carolina Division of Water Quality
Internet: h2o.enr.state.nc.us

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1-877-623-6748

State of North Carolina
Department of Environment
and Natural Resources
Wilmington Regional Office
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Michael F. Easley, Governor
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June 28, 2005

Commanding General
Attn: I&E/EMD/EQB (Mr. Andrew Smith, Bldg. 12)
PSC Box 20004
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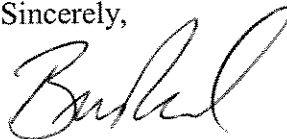
Dear Mr. Smith:

Thank you for submitting the subject report to the Division on May 16, 2005. The recommendations in the report are satisfactory, and the Base is free to conduct any of the work referenced in the report. However, the Division's review of the report, site conditions, and recent gauging results, concluded that it appears that the UST incidents in this area present no significant risk to human health or the environment (low-risk site per 15A NCAC 2L .0115), and that some of the recommended actions in the report may not be necessary. The Division recommends that the last remaining operational leg of the treatment system, at AS-142/AS-143, be shut-down immediately, and gauging activities are recommended for a period of one year to check for any rebound that may occur in this area. All sorbents should be removed from all wells including those around AS-4151, and the wells gauged for a period of one year. If any product is detected over 1/8 inch at either site, then please resume product recovery. At the conclusion of this time period, a monitoring report should be submitted to the Division documenting the gauging events. The incidents will remain intermediate risk until the absence of free-product is documented once the treatment system is turned-off, and the socks are removed. The dissolved groundwater testing is optional.

127 Cardinal Drive, Wilmington, North Carolina 28405
Phone: 910-796-7215 / Fax: 910-350-2004 / Internet: www.enr.state.nc.us

The soil testing referenced in the subject report is due by November 18, 2005. If you have any questions concerning this letter, please contact me at (910) 796-7426.

Sincerely,



Bruce Reed
Hydrogeologist II

cc: WIRO-UST

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