

04.01-04/08/96-01653

(804) 322-4818

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18232:KHL:srw

08 APR 1996

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

North Carolina Department of Environment,
Health, and Natural Resources
Attn: Mr. Patrick Watters
P.O. Box 27687
401 Oberlin Road
Raleigh, North Carolina 27611

Re: Response to Comments, Supplemental Groundwater
Investigation/ Feasibility Study(SGI/FS)Work Plan
Amendments for Operable Unit 10, Site 35, MCB Camp
Lejeune, NC

Dear Mr. Watters:

Attached please find responses to your comments on the above
referenced document. These comments will be incorporated into a
revised version of the document as indicated in the responses.

Please contact Ms. Katherine Landman at (804) 322-4818 if you
have any questions or concerns.

Sincerely,

L. G. SAKSVIG, P.E.
Head
Installation Restoration Section
(South)
Environmental Programs Branch
Environmental Quality Division
By direction of the Commander

Attachment

Copy to:
EPA Region IV (Ms. Gena Townsend)
MCB Camp Lejeune (Mr. Neal Paul)
Baker Environmental, Inc. (Mr. Dan Bonk)
Activity Admin Record File

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Response to Comments on the Draft Work Plan Amendments for the Supplemental Groundwater Investigation at OU No. 10, Site 35, MCB Camp Lejeune, NC

Comments Submitted by Patrick Watters, NCDEHNR dated March 20, 1996

1. Baker reviewed the available historical aerial photographs and USGS maps prior to preparing the Draft Work Plan Amendments, but did not identify any potential sources of VOC contamination northeast of Brinson Creek. If field screening results of groundwater samples obtained under the Supplemental Groundwater Investigation indicate the presence of VOC contamination, Baker will also perform a field reconnaissance of the area northeast of Brinson Creek to provide additional information regarding the presence of potential sources of contamination. Section 4.0 of the Work Plan Amendments have been modified as per the above.

2. The text has been modified to clarify why only five temporary well clusters are depicted in the southern AOC on Figure 1. For planning purposes, 15 temporary well clusters have been budgeted. These additional ten well clusters will be located based on the field screening results of groundwater samples obtained from the initial five temporary well clusters. If conditions so indicate, more or less than 15 temporary well clusters may be installed as appropriate.

An on-site mobile laboratory will be used to screen groundwater samples obtained from the temporary wells in the southern AOC for the presence of chlorinated solvents using TCE, cis and trans 1,2 DCE. The field screening indicator compounds were limited to chlorinated solvents based on the recommendations of the Phase I RI (Baker 1995) which indicated the need to extend the RI south of Fifth Street to define the extent of solvent-related groundwater contamination in the surficial aquifer. Temporary wells completed as permanent wells will be resampled and analyzed for full TCL VOAs. As per this comment, the text has been modified to include the analysis of MTBE in addition to TCL VOAs.

3. The text, including Figure 1, has been modified to include two temporary well clusters comprised of both a shallow and intermediate groundwater monitoring wells in the area northeast of Brinson Creek. These two new temporary well clusters will be in addition to the permanent well cluster comprised of shallow, intermediate, and deep groundwater monitoring wells previously proposed.

4. Under Phase I of the RI conducted by Baker in 1994, five deep groundwater monitoring wells were installed. Three of these wells were installed directly through areas where significant levels of VOC contamination were detected in the shallow and intermediate zones. No VOC contaminants were detected at any of the five deep monitoring well locations at levels above regulatory standards. Under the proposed Supplemental Groundwater Investigation (SGI), it is intended that one or more deep groundwater monitoring wells will be installed in the southern AOC if significant contamination is detected in the intermediate zone temporary monitoring wells. The purpose of the deep groundwater monitoring wells will be to verify that the confining layer in the southern AOC is as effective an aquitard as it apparently is in the area to the north that was investigated previously. The text has been modified per the above.

5. The text has been modified as per this comment. All drill cuttings will be containerized pending analytical results that determine whether or not the material is hazardous or non-hazardous. Only non-hazardous drill cuttings will be spread out on the ground.

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The Postmaster will provide this receipt for International Mail (see PG 404)



NC DEPT OF ENVIRONMENT HEALTH
AND NAT'L RESOURCES
ATTN PATRICK WATTERS
PO BOX 27687
401 OBERLIN RD
RALEIGH NC 27611

MAILING INFORMATION FOR ADDRESSEE TO BE PRINTED ON THE REVERSE SIDE OF THIS RECEIPT

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