

 Baker

09.03-1/06/92-02658

**Baker Environmental, Inc.**  
Airport Office Park, Building 3  
420 Rouser Road  
Coraopolis, Pennsylvania 15108

(412) 269-6000  
FAX (412) 269-2002

January 6, 1993

Commanding Officer  
Atlantic Division  
Naval Facilities Engineering Command  
Building N-26, Naval Station  
Norfolk, Virginia 23511-6287

Attn: Mr. Byron Brant, P.E.  
Engineer-in-Charge, Code 1822

Re: Contract N62470-89-D-4814  
Navy CLEAN, District III  
Contract Task Order (CTO) 0106  
TRC Meeting Minutes  
MCB Camp Lejeune, North Carolina

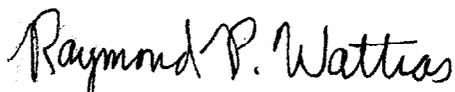
Dear Mr. Brant:

Attached are the Final TRC meeting minutes. Copies of these minutes have been forwarded to all TRC meeting attendees.

If you have any questions, please do not hesitate to contact me at (412) 269-2016.

Sincerely,

BAKER ENVIRONMENTAL, INC.



Raymond P. Wattas,  
Project Manager

RPW/nd  
Attachment

cc: Ms. Linda Berry, Code 1822 (LANTDIV)  
Ms. Lee Anne Rapp, Code 183 (LANTDIV)  
Mr. George Radford (CLEJ)  
Ms. Laurie Boucher, Code 1822 (LANTDIV)

**MEETING MINUTES  
TECHNICAL REVIEW COMMITTEE  
RI/FS PROJECT PLANS FOR OPERABLE UNITS NO. 1 AND NO. 5  
MCB CAMP LEJEUNE**

**DECEMBER 9, 1992**

A Technical Review Committee (TRC) meeting was conducted at Building 1, MCB Camp Lejeune, North Carolina on December 9, 1992. The purpose of the TRC meeting was to present the RI/FS project plans for Operable Unit No. 1 (Sites 21, 24, and 78) and Operable Unit No. 5 (Site 2). In addition, comments from members of TRC committee were considered and addressed.

The following personnel participated at this meeting:

- Ms. Laurie Boucher, LANTDIV
- Ms. Linda Berry, LANTDIV
- Mr. George Radford, MCB Camp Lejeune
- Mr. Tom Morris, MCB Camp Lejeune
- Mr. Walter Haven, MCB Camp Lejeune
- Ms. Michelle Glenn, USEPA Region IV
- Ms. Jennifer Herndon, USEPA Region IV
- Mr. Peter Burger, North Carolina DEHNR
- Mr. John Mader, Retired Colonel, USMC
- Mr. Thomas Augspurger, US Fish and Wildlife
- Mr. Bruce Reed, North Carolina DEHNR
- Mr. Cameron Lanier, Onslow County Health Dept.
- Mr. Don Shields, Baker Environmental, Inc.
- Ms. Tammi Halapin, Baker Environmental, Inc.
- Mr. Raymond Wattras, Baker Environmental, Inc.

The meeting was initiated by Mr. George Radford who introduced the meeting participants and summarizing the ongoing Installation Restoration (IR) Program activities at MCB Camp Lejeune. Mr. Raymond Wattras conducted a slide presentation of the RI/FS scope of work for Operable Units No. 1 and No. 5. The slide presentation focused on the following discussions for each site/operable unit:

- Site Description and Setting
- Summary of Previous Investigations
- Potential Contaminant Migration and Exposure Pathways
- Data Limitations
- RI/FS Objectives
- Proposed RI Field Investigations

The following comments/remarks were noted during or following the slide presentation:

- Site 74 has been deleted from Operable Unit No. 5 since background information has indicated that chemical surety agents may be present at the site. Site 74 will be combined with Site 69 (Operable Unit No. 4). Operable Unit No. 5 will consist only of Site 2.
- Ray Wattras clarified that there is only one underlying aquifer at Operable Units No. 1 and 5. Based on comments received from EPA Region IV, there may have been some confusion that the shallow flow system and deep flow system were

separated by an impermeable or semi-impermeable layer. Ray Wattras indicated that the Work Plans will clarify that there is no impermeable or continuous semi-impermeable layer that results in two separate aquifers.

- With respect to the soil investigation at Site 2, additional soil sampling locations surrounding Building 712 are warranted and will be added to the scope of work. In addition, subsurface soil samples will be collected at each grid point along with surface soil samples. Additional soil samples also will be collected near the mixing pads in order to better delineate the extent of soil contamination.
- With respect to the surface water/sediment investigation at Site 2, additional sampling locations will be added between the site and Overs Creek in the drainage ditches that border the railroad tracks. Samples also will be collected from Overs Creek.
- With respect to the groundwater investigation at Site 2, a soil gas survey or hydropunch screening technique will be used to determine the location of offsite monitoring wells. Additional deep wells may be necessary, based on the results of the soil gas survey (only one deep well is proposed at present).
- Mr. Peter Burger (DEHNR) commented on whether hydropunching (or equivalent) would be more effective rather than a soil gas survey at the HPIA. Mr. Burger was concerned that the "industrial" type setting would result in false positives. Ray Wattras noted his concern and indicated that Baker also thought about the possibility of false positives. However, soil gas was rather successful when implemented previously at the HPIA.
- Ray Wattras noted that the need to perform level II or III aquatic/ecological sampling (e.g., collection of benthic organisms, fish population studies, fish sampling and analysis, etc.) would depend on the results of surface water and sediment samples collected from the various streams (Overs Creek, Cogdels Creek, and Beaver Dam Creek). If contamination above State or Federal water quality standards is present, additional ecological studies would be warranted in order to evaluate potential impacts to the environment.
- Mr. Cameron Lanier, Onslow County Health Department, inquired about the aquatic investigations at Sites 48 and 69. Ray Wattras stated that the results of the fish/shellfish samples should be available in January, 1993.

Following the meeting, a tour of the sites was given by Mr. Tom Morris of the Camp Lejeune Environmental Management Division.