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**UNITED STATES MARINE CORPS**

MARINE CORPS BASE  
PSC BOX 20004  
CAMP LEJEUNE, NORTH CAROLINA 28542-0004

IN REPLY REFER TO:

6286  
BEMD  
11.1 APR 1996

From: Commanding General, Marine Corps Base, Camp Lejeune  
To: Commander, Atlantic Division, Naval Facilities Engineering Command,  
Attn: Ms. Kate Landman, 1510 Gilbert Street, Norfolk, Virginia 23511-2699

Subj: SUPPLEMENTAL GROUNDWATER INVESTIGATION/FEASIBILITY STUDY,  
OPERABLE UNIT NO. 10, SITE 35

Encl: (1) Comments concerning the Supplemental Groundwater Investigation/Feasibility Study,  
Operable Unit No. 10, (Site 35)

1. The subject document has been reviewed, and our comments are contained in the enclosure. It is requested that the Installation Restoration Division, be notified of the actions taken to accommodate the comments provided in the enclosure.

2. If you have any questions or comments, please contact Mr. Neal Paul, Director, Installation Restoration Division, Environmental Management Department, at telephone (910) 451-5068.

A handwritten signature in black ink, appearing to read "Robert L. Warren".

ROBERT L. WARREN

By direction

Encl:

(1) Installation Restoration Division review of Supplemental Groundwater  
Investigation/Feasibility Study, Operable Unit No. 10, (Site 35)

COMMENTS ON SUPPLEMENTAL GROUNDWATER INVESTIGATION/FEASIBILITY STUDY (SGI/FS), OPERABLE UNIT (OU) NO. 10, SITE 35, MCB, CAMP LEJEUNE, NORTH CAROLINA

1. Page 3, "Northern AOC" section, and page 9, "Northern AOC" - The first sentence states that "a total of 30 temporary monitoring wells will be installed." Can these wells be converted to permanent if needed? Additionally, while Mr. Mike Smith (Baker) and Mr. Tom Morris (Camp Lejeune) were on the site with Base Forestry, a determination was made to relocate the proposed monitoring well clusters further away from Brinson Creek (closer to the existing permanent monitoring wells). This may negate the requirement for some of the proposed clusters or at least a well or two at one or more of the clusters as the permanent monitoring wells can be sampled vice the installation of new temporary wells in the same immediate area. The relocation was prompted by the realization of conditions in the swampy, flood prone, wetlands area where an "all-terrain" drilling rig would be forced to navigate to install the temporary wells, and safety considerations related to drilling along the steep bank section between the wetland area and the higher elevation flatland in the vicinity of the existing wells. Although it isn't stated, it is hoped that Baker will collect and analyze any suspect soil encountered during installation of the temporary monitoring wells.
2. Page 4, para 1 and page 5, section 5.3.4 - It is again questioned if the "30 temporary monitoring wells" can be converted to permanent wells if deemed necessary.
3. Page 5, section 5.3.4 - Can some of the proposed "temporary monitoring wells" be converted into permanent wells to preclude the installation and sampling of a few of the proposed "14 new permanent monitoring wells"?
4. Page 9 and 10 - Most of section 3.1 (and its subsections) is the same (verbatim) as section 5.3. Redundancy makes for confusing reading.
5. Page 16, section 5.9.3.1 - Containerize all IDW generated at "off-base" wells for disposal.
6. Figure 2 - The numbers and locations of these proposed temporary groundwater monitoring well clusters appears to be overkill. Couldn't the same goal be accomplished with four less clusters, especially if the well clusters are moved closer to MW-18 and MW-19? Additionally, groundwater contour and contaminant concentration lines should be labeled.