Doc. No.: CLEJ-00164-3.10-10/17/88

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17 OCT 1988

From: Commander, Atlantic Division, Naval Facilities Engineering Command
To: Commanding General, Marine Corps Base, Camp Lejeune
Commanding General, Marine Corps Air Station (Helicopter), New River

Subj: CONTAMINATED GROUNDWATER CLEANUP EFFORTS - MCB CAMP LEJEUNE AND MCAS NEW RIVER, NORTH CAROLINA

Ref: (a) Contaminated Groundwater Remediation - Status Review Meeting at MCB Camp Lejeune, NC of 28 September 1988

1. The following is a summary of reference (a) meeting held to discuss the current status of contaminated groundwater study and remediation efforts underway for MCB Camp Lejeune and MCAS New River:

a. Meeting Attendees:

Mr. Robert Alexander - AC/S, Fac, MCB Camp Lejeune
Ms. Mary Wheat - MCAS New River
COL Dalzell - AC/S, Fac, MCB Camp Lejeune
Mr. John Kresky - LANTNAVFACENGCOM Code 115
Mr. William Taylor - LANTNAVFACENGCOM Code 09A2124

b. Ongoing remediation design efforts currently under contract with O'Brien & Gere Engineers (A&E Contract N62470-87-C-8740) are:

(1) Tarawa Terrace - PX Service Station Gasoline Recovery:

Status: MCB Camp Lejeune indicated that monthly progress reports for the existing product recovery system show no free product being recovered. Hydrogeological evaluation of existing monitoring wells at this site still show recoverable levels of standing free product. Operation of existing system being continued to retain contaminant plume in present location. Recovery system discharge containing dissolved Volatile Organic Compounds (VOC's) is currently being released to storm sewer outfall. Current negotiated design scope provides product recovery system design.

Actions/Recommendations: LANTNAVFACENGCOM to direct design effort to provide residual VOC removal and permitted discharge. MCB Camp Lejeune will coordinate the transfer of pertinent data generated by University of North Carolina study to O'Brien and Gere. Additional remedial actions for cleanup of soil matrix to be pursued as follow-on to current design effort.

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(2) JP-5 Line Area (White Street)

Status: January 1987 study effort located contaminant plume boundaries. New hanger construction is adjacent to and partially overlapping plume boundary. Foundation excavation uncovered only residual amounts of fuel. Effects of hanger construction on hydrogeology unknown at this time. Current negotiated design scope provides product recovery system design.

Actions/Recommendations: O'Brien and Gere hydrogeologist to visit site during design effort to assess impact on hydrogeology of new construction and recommend additional study effort if required. MCAS New River to provide O'Brien and Gere with site and foundation plans of new construction. O'Brien and Gere design to consider impact of hanger construction (including new paved areas).

(3) Rapid Refuel Area:

Status: Plume boundaries and thickness defined by January 1987 study effort. Current negotiated design scope provides product recovery system design.

Actions/Recommendations: Complete design as planned.

c. Additional Conclusions and Recommendations:

(1) Station concerns of additional contamination associated with JP-5 fuel system at MCAS New River to be addressed as separate follow-on project.

(2) Additional A&E effort (pump testing) to be added to O'Brien and Gere design effort to provide additional hydrogeological data required for recovery well design.

2. O'Brien and Gere has been directed to proceed with the design of the above three projects. O'Brien and Gere will coordinate required field effort with MCB Camp Lejeune.

3. For additional information on these projects contact Mr. John Kresky, Engineer In Charge (technical) at telephone (804) 444-9683 or AUTOVON 564-9683 or
Mr. William Taylor, Project Manager (administration) at telephone (804) 444-9700 or AUTOVON 564-9700.

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By direction

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