



11/29/05 - 03876

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 29, 2005

NAVFAC Atlantic  
Attn: Daniel R. Hood  
Code: OPCEV  
NC/Caribbean IPT, EV Business Line  
6506 Hampton Blvd.  
Norfolk, Virginia 23508-1273

Subject: Review of Feasibility Study, November 2005  
OU16, Site 93  
MCB Camp Lejeune  
Onslow County  
Incident No. 85285

Dear Mr. Hood:

On November 22, 2005, the Division of Water Quality (DWQ), Aquifer Protection Section received the subject report. CH2M HILL, on behalf of NAVFAC Atlantic, submitted this report. Thank you for this report.

After review of the subject report, DWQ would tentatively recommend Alternative 3a for future remedial action at this site. While this is not projected to be the most inexpensive alternative, given the nature of the contaminants and that Alternatives 2 through 4 incorporate Monitored Natural Attenuation for the periphery areas of the plume, it appears that Alternative 3a is most conducive to this secondary remedial strategy.

Since MNA is included in all the alternatives except 1 and 5, DWQ recommends that the all areas of the plume be delineated prior to instituting any of the remedial alternatives. To accurately determine if the plume size has been reduced, it is necessary to know the full extent of the plume. The southwestern section of the shallow plume and the northwestern section of the deep plume appear to be undelineated, per the most recent sampling results for the site. The eastern section of the plume abuts up against Site 89, thus delineation in this direction is not warranted.

Additionally, DWQ would recommend that any future groundwater samples be analyzed according to an analysis with detection limits that are lower than the TCE and PCE 2L standards. It would also be helpful for all tables to contain the units for any numbers that are being displayed. Plume maps would also be more useful if they displayed a 2L standard contour line for the various target contaminants.

If you have questions, please contact Ginny Henderson at 910-796-7215.

Yours very truly,

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

CFS/GMH

cc: Bob Lowder, MCB Camp Lejeune  
Randy McElveen, NCDENR, DWM, Superfund Section  
Gena Townsend, EPA Region 4  
Ron Kenyon, Shaw Group  
Rich Bonelli, Baker Environmental  
Christopher F. Bozzini, P.E., CH2M HILL  
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