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NCBC GULFPORT  
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LETTER REGARDING U S GEOLOGICAL SURVEY REVIEW AND COMMENTS ON DRAFT  
FINAL REMEDIAL INVESTIGATION FEASIBILITY STUDY NCBC GULFPORT MS  
8/27/1992  
U S GEOLOGICAL SURVEY

39501-GENERAL  
03.01.00.0001



United States Department of the Interior

GEOLOGICAL SURVEY  
Water Resources Division  
100 W. Capitol Street, Suite 710  
Jackson, Mississippi 39269

August 27, 1992

Mr. Ken Barnes (Code 1865)  
Department of the Navy  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive, P.O. Box 10068  
Charlestown, SC 29411-0068

Dear Mr. Barnes:

In reference to a letter, dated July 27, 1992, from R. David Criswell and his enclosed document, contract-N62467-89-D-0317, CTO #0017, Draft Final RI/FS Work Plan for NCBC Gulfport, Mississippi, we appreciate the opportunity to present our review and comments to you. Our review of the Work Plan includes the comments that follow:

- In the section regional hydrogeology, no discussion is made in reference to a 1989 report by the U.S. Geological Survey titled "Geohydrology and Simulated Effects of Withdrawals on the Miocene Aquifer System in the Mississippi Gulf Coast Area, Water-Resources Investigations," Report 87-4172, 80 p.
- The work plan, particularly pages 2-37, 3-17, and 4-22, identifies a need to evaluate the "integrity of the shallow confining layer (or multiple confining layers?) and the possibility for vertical contaminant migration" to underlying aquifers. Our review of the work plan indicates that a sound, technical approach or strategy

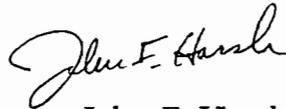
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needs to be proposed and developed to address the depth, thickness, lateral extent, continuity, hydraulic and sorption properties, and penetration of shallow confining units in the subsurface. In addition, the plan seems to be deficient in directing the approach and resources toward the susceptibility of shallow ground water to surface contamination.

- How will the work plan determine the potential contamination to ground water outside the NCBC boundaries and to wetlands both within and adjacent to identified disposal areas.

In addition, I plan to inform Gordon Crane that I will attend the September 10, 1992, TRC meeting at the NCBC, Gulfport. If you have questions in regard to our review and comments, please contact me at (601) 965-5582

Sincerely,



John F. Harsh  
Supervisory Hydrologist  
Hydrologic Investigations Section

cc

R. David Criswell, P.E., Manager, Installation Restoration  
Gordon Crane, NCBC Environmental Coordinator