

N62604.AR.000493  
NCBC GULFPORT  
5090.3a

LETTER AND COMMENTS FROM MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL  
QUALITY REGARDING GROUNDWATER MONITORING REPORT SEPTEMBER 1999 NCBC  
GULFPORT MS  
12/13/1999  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

James I. Palmer, Jr., Executive Director

13 December 1999

Art Conrad  
Naval Facilities Engineering Command  
Southern Division  
2155 Eagle Drive  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

Re: Groundwater Monitoring Report, Naval Construction Battalion Center, Gulfport, MS., September 1999.

The Mississippi Office of Pollution Control has reviewed the above referenced document and offers the following comments and suggestions.

1. Clarification is needed in the text discussion concerning previously reported dioxin groundwater concentrations at Site 8. The text (page 4-7, paragraph 7) states that dioxin levels in groundwater exceed MCLs in some wells and DPT (Geoprobe) samples, although no concentrations exceeding MCLs were reported from Phase 1 (page 2-12) or phase 2 (page 3-8) of this investigation.
2. The text (page 4-7, paragraph 3) describes an individual "clay layer" with a thickness of 150 feet that occurred in borings GPT 05-13 (Site 5) and GPT 08-11 (Site 8). Although clay bearing strata are common in the Gulfport area, individual layers of homogeneous and laterally continuous pure clay generally do not occur near the surface in this region. This interval is designated as CL in conceptual diagrams (figures 4-4 through 4-7) and boring logs (appendix B) although described with varying amounts of sand and silt in lithologic descriptions on boring logs. Demonstration of thickness, lateral continuity and homogeneity of composition would be necessary in order to include such an aquitard in groundwater modeling. Demonstration of lateral extent and thickness should be shown in the form of hydrostratigraphic cross sections for purposes of this report.

Please feel free to contact me if I can be of further assistance.

Sincerely,  
  
Bob Merrill

cc. James Barksdale, USEPA