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NCBC GULFPORT
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LETTER AND COMMENTS FROM MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL
QUALITY REGARDING REVIEW OF BENCH SCALE SOIL/SEDIMENT TREATABILITY
STUDY REPORT SITE 8 NCBC GULFPORT MS
10/4/2001
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY



STATE OF MISSISSIPPI
DAVID RONALD MUSGROVE, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

4 October 2001

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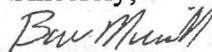
Re: Bench-Scale Soil/Sediment Treatability Study Report, Site 8, Herbicide Orange Study Area, Naval Construction Battalion Center, Gulfport, MS, March 2001.

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

1. Page 1-5, paragraph 4: the statement in the text regarding the "agreed upon soil/sediment remedial goal of 50 nanograms per kilogram dioxin" (parts per trillion or ppt) is incorrect and should be removed, as the soil/sediment cleanup goal has not been finalized for individual properties and exposure scenarios on and off base.
2. Page 7-2, first bullet: the document recommends that the Material Blend should be amended with a 5 to 10 percent Portland Cement mixture prior to placement under the Site 8A Structural cap. It should be noted that, with the 5 percent Portland Cement mixtures, addition of sediment lowered the unconfined compressive strength (UCS) to values below the threshold value of 50 psi, and that only 10 percent Portland Cement mixtures maintained UCS values above 50 psi with increasing sediment concentrations (chart at the top of page 6-3). This indicates that mixtures involving 10 percent Portland Cement mixtures would be preferred as increased volumes of sediment in actual field mixtures are likely, as stated on page 6-1, paragraph 2.

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

Sincerely,


Bob Merrill

cc. Elizabeth Wilde, USEPA