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NCBC GULFPORT  
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LETTER REGARDING LANDFILL COVER ASSESSMENT REPORT FOR LANDFILL 3 NCBC  
GULFPORT MS  
8/21/2009  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY



**STATE OF MISSISSIPPI**  
HALEY BARBOUR  
GOVERNOR  
**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**  
TRUDY D. FISHER, EXECUTIVE DIRECTOR

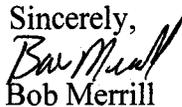
21 August 2009

Robert Fisher  
NAVFAC SE (OPG6)  
PO Box 30, Bldg 903  
NAS Jacksonville, FL 32212-0030

Re: Landfill Cover Assessment Report for Landfill 3, Naval Construction Battalion Center  
Gulfport, Mississippi, Final, July 2009.

The Mississippi Office of Pollution Control (OPC) has reviewed the above referenced document. It is noted that the existing cover assessment identified areas where vertical hydraulic conductivity measurements exceeded (more permeable than)  $1 \text{ E}^{-5} \text{ cm/sec}$  (page 6, paragraph 3 and Table 3) and that permeability measurements ranged over two orders of magnitude (Table 3). OPC concurs that the final cover should have a lower permeability than the current cover (page 6, paragraph 4). The final cover should be composed of material with a maximum (most permeable) vertical hydraulic conductivity (measured from undisturbed representative samples) of  $1 \text{ E}^{-5} \text{ cm/sec}$  in accordance with solid waste guidance concerning landfill covers for abandoned non hazardous waste sites with unknown liner properties. These are minimally permissible cover hydraulic characteristics, as more competent landfill covers (especially those at abandoned hazardous waste sites) utilize cover materials with vertical hydraulic conductivity values below  $1 \text{ E}^{-6} \text{ cm/sec}$ . Suitable landfill cover properties are addressed in EPA presumptive remedy guidance concerning abandoned hazardous waste landfills.

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

Sincerely,  
  
Bob Merrill

cc. Bart Reedy, USEPA