



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

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REPLY TO THE ATTENTION OF:

DRP-8J

November 4, 1996

Mr. Jim Hunsicker, Director
Environmental Protection Department
Department of the Navy
Crane Division
Naval Surface Warfare Center
300 Highway 361
Crane, Indiana 47522-5000

RE: Surface Water Pond Redesign
Bioremediation Facility
Naval Surface Warfare Center
Crane, Indiana
IN5 170 023 498

Dear Mr. Hunsicker:

The purpose of this letter is to follow-up on my verbal approval on November 4, 1996, of the redesign of the surface water retention ponds at the Bioremediation Facility. Mr. Tom Brent of your staff, and Mr. Steve Downey of Morrison Knudsen (MK), informed me today that due to the moisture content of the soil from the recent rains in your area, the foundation of the ponds is not suitable for placement of the "Clay Max" liners. I agree with this position. MK proposed a change in the construction material to use "Gunnite", a spray on concrete instead of the "Clay Max" liners. The High Density Polyethylene line would be installed on top of the "Gunnite" after the concrete was smoothed to reduce any rough surfaces. I hereby approve this change in construction material, and the proposal is consistent with our past proposal of a concrete lined pond.

It is my understanding that the "Clay Max" that was already purchased will be used at the Dye Burial Grounds project instead, and that the funding has not been wasted. Our Agency is happy to see the quick coordination on this field change, and that cost saving approaches are being considered. If you have any questions regarding this matter, please contact me at (312) 886-6146.

Sincerely,

Carol Witt-Smith
Corrective Action Expert
WMB, IL/IN/MI Section

cc: Tom Linson, IDEM
Mike Sickels, IDEM
Tom Brent, USN
Steve Downey, MK
Adrienne Wilson, SOUTHDIV