



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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REPLY TO THE ATTENTION OF

DEC 23 1998

Mr. Johnny W. Reising
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

SRF-5J

RE: Conceptual Wetland
Mitigation Plan A1, P1

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) conceptual wetland mitigation plan for Area 1, Phase 1 (A1, P1).

The plan provides information regarding the design of a 6-acre wetland consisting of eight cascading basins, a form of wetland believed to have been present in the area prior to agricultural disturbances. Successful implementation of this wetland mitigation plan would satisfy a portion of U.S. DOE's regulatory commitment of 15 acres of wetland mitigation.

Generally, U.S. EPA found the plan to be technically sound. U.S. EPA has inclosed a few minor comments to be addressed and incorporated into the final plan.

Therefore, U.S. EPA approves the conceptual wetland mitigation plan pending incorporation of adequate responses to the attached comments into the final wetland mitigation plan.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,



James A. Saric
Remedial Project Manager
Federal Facilities Section
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO
Bill Murphie, U.S. DOE-HDQ
John Bradburne, FERMCO
Terry Hagen, FERMCO
Tom Walsh, FERMCO

Commenting Organization: U.S. EPA
Section #: 4.2.7 Page #: 5
Original Specific Comment #: 5
Comment: The text states that mosquitoes in the proposed wetland basin system will be controlled by the high quality of the water. It is unclear how mosquito control relates to the wetland restoration goals and seems unnecessary for this project. The final wetland mitigation plan, if it chooses to address mosquito control, should include more specific data regarding site water quality and how it will be maintained (considering such issues as fertilizer use and nutrient runoff).

Commentor: Saric
Lines #: 4 to 7

Commenting Organization: U.S. EPA
Section #: 4.6.2 Page #: 7
Original Specific Comment #: 6
Comment: The text states that gravel roads are or will be constructed for access to air monitoring stations. These roads appear to be present in the figures but are not labeled. The final wetland mitigation plan should include figures that clearly indicate the location of gravel roads.

Commentor: Saric
Line #: 28

Commenting Organization: U.S. EPA
Section #: 4.6.3 Page #: 8
Original Specific Comment #: 7
Comment: The text states that overhead utility lines are present along the adjacent paved road. These overhead lines appear to be present in the figures but are not labeled. The final wetland mitigation plan should include figures that clearly indicate the location of overhead utility lines.

Commentor: Saric
Line #: 1

Commenting Organization: U.S. EPA
Section #: 4.6.5 Page #: 8
Original Specific Comment #: 8
Comment: The text states that the site presently has several storm water and/or sedimentation basins. As mentioned in Original Specific Comment # 1, the final wetland mitigation plan should include additional information about the function of these control features. The text also indicates that the proposed wetlands will have a storm water function and value. The discussion of project objectives in the final wetland mitigation plan should include a brief description of the wetlands' storm water function and value, including specific functions performed by each basin.

Commentor: Saric
Lines #: 13 to 15

Commenting Organization: U.S. EPA
Section #: 4.7 Page #: 8
Original Specific Comment #: 9
Comment: The text states that recharge of any lens-perched or general area aquifer from surface water at the mitigation site cannot occur at the site because of the required discharge of all surface water to the neighboring farm. The final wetland mitigation plan should clearly explain why all surface water is required to be discharged the

Commentor: Saric
Line #: 26

should clarify this issue. In addition, because the natural materials listed above, particularly composted manure and yard waste, are likely to contain many alien, aggressive plant species, the final wetland mitigation plan should also address how the propagation of undesirable species will be minimized and controlled.

Commenting Organization: U.S. EPA
Section #: 5.0
Original Specific Comment #: 14

Commentor: Saric
Lines #: 9 and 10

Comment: The text states that the goal of the monitoring plan is to produce self-evident proof of success and to collect data and evidence in various forms to indicate that mitigation efforts are exhibiting a positive change. The overall goal of the monitoring plan should be to provide data that prove that wetland restoration efforts have successfully compensated wetland impacts from FEMP operations at a 1.5 to 1 ratio and have resulted in no net loss of wetlands. The final wetland mitigation plan should provide a detailed monitoring plan component that provides for the quantitative evaluation of wetland hydrologic and vegetative indicators necessary to confirm that the mitigation goals have been met. In addition, the proposed monitoring approach appears more qualitative than quantitative. Although this approach may be generally acceptable in terms of ecological restoration, the final wetland mitigation plan should clearly state that this monitoring approach is acceptable to the stakeholders involved, particularly local U.S. Army Corps of Engineer representatives.