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**OUTFALL LINE INVESTIGATION REMEDIAL  
INVESTIGATION/FEASIBILITY STUDY WORK  
PLAN ADDENDUM**

**02/14/94**

**DOE-0901-94  
DOE-FN/OEPA  
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**LETTER  
OU5**



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**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

FEB 14 1994  
DOE-0901-94

Mr. Graham E. Mitchell, Project Manager  
Ohio Environmental Protection Agency  
40 South Main Street  
Dayton, Ohio 45402-2086

Dear Mr. Mitchell:

**OUTFALL LINE INVESTIGATION REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORKPLAN  
ADDENDUM**

Reference: 1) Letter, G.E. Mitchell to J. R. Craig, "Outfall Line Investigation RI/FS Investigation Workplan," dated December 23, 1993.

In the above referenced letter, the Ohio Environmental Protection Agency (OEPA) questioned the adequacy of a single monitoring Well (2119) to detect releases from a suspect segment of the old Fernald Environmental Management Project (FEMP) outfall line. Specifically, the OEPA suggested two scenerios through which contaminants could go undetected by the monitoring well:

1. Contaminants are contained in the soils above the aquifer.
2. Contaminants have migrated beyond the location of Well 2119.

These concerns were discussed with Tom Schneider (OEPA/DERR) with the resultant resolution. The Department of Energy (DOE) agrees it is possible that contaminants are contained within soils adjacent to the suspect segment of the outfall line; however, due to the slope of the land surface, it is not possible to maneuver a drill rig to collect samples at this time. Samples will be collected when the outfall line is excavated. In the meantime, the DOE will monitor Well 2119 on a quarterly basis to ensure contaminants have not entered the aquifer.

In response to OEPA's second concern, it is improbable that contaminants have entered the aquifer and migrated beyond the location of Well 2119. The outfall line was in continuous use at the time the well was installed; therefore, leakage from the suspect segment of the outfall line would have been a continuous rather than intermittent release. Well 2119 was located immediately downgradient of the outfall line to detect such a release.

The DOE is confident that groundwater quality in the vicinity of the outfall line, and the nature of soil contamination associated with the FEMP, have been adequately characterized to evaluate potential risk to human health and the environment, and to evaluate a range of potential remedial alternatives. The Operable Unit 5 (OU5) selected remedial technologies will be capable of addressing contamination in Well 2119 or the adjacent soils, should they be detected in the future.

Please contact Kathleen Nickel at (513) 648-3166 or Randi Allen at (513) 648-3102 if you have additional concerns regarding this issue.

Sincerely,

*Johnny W. Reising*

*for*

Jack R. Craig  
Fernald Remedial Action  
Project Manager

FN:Nickel

cc:

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