



State of Ohio Environmental Protection Agency

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January 8, 2002

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

RE: COMMENTS ON PILOT PLANT DRAINAGE DITCH MONITORING WELLS

Dear Mr. Reising:

This letter provides Ohio Environmental Protection Agency comments on the Project Specific Plan for the Installation of Monitoring Wells in the Pilot Plant Drainage Ditch Plume. We have previously given verbal approval for the locations of the new monitoring wells. We also inspected the well locations and offered suggestions on implementing erosion controls and discussed ways to accomplish the installation that would minimize impacts to ecologically important trees. In addition, we observed the methods and apparatus used to construct and test the Continuous Multilevel Tubing wells.

Should you have any questions, please contact Tom Ontko or me.

Sincerely,

for Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

- cc: Jim Saric, U.S. EPA
- Terry Hagen, Fluor Fernald
- Mark Shupe, GeoTrans, Inc.
- Francie Hodge, Tetra Tech EM Inc.
- Ruth Vandergrift, ODH

Enclosure

Ohio Environmental Protection Agency Comments on the PSP for the Installation of Monitoring Wells in the Pilot Plant Drainage Ditch Plume

- 1) Commenting Organization: Ohio EPA Commentor: DSW
 Section #: General Pg #: NA Line #: NA Code: C
 Comment: The plan contains no detail about sediment and erosion control measures. Please include information on sediment and erosion control.

- 2) Commenting Organization: Ohio EPA Commentor: DSW
 Section #: 2.0 Pg #: 2-3 Line #: NA Code: C
 Comment: Not all of the key project personnel responsibilities are not readily discernable from the descriptions. For example, the ARWWP Manager's responsibilities are listed, but one must deduce from the title of "ARWWP Project Director" that Dave Brettschneider would be the ARWWP Manager. Suggest keeping the title consistent with the key technical responsibilities for clarity.

- 3) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.
 Section #: 3.2.1 Pg #: 5 Line #: 23 Code: C
 Comment: In situations where the installation of the five foot thickness of the primary gravel pack will result in the top of the primary pack extending above the water table, will its length be reduced to achieve a five foot height of the secondary pack above the water table?

- 4) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.
 Section #: 3.2.1 Pg #: 5 Line #: 27 Code: C
 Comment: The purpose of the alternating layers of sand and bentonite pellets that will be placed above the bentonite seal in the Type-2 and Type-6 wells should be explained.

- 5) Commenting Organization: Ohio EPA Commentor: OFFO
 Section #: 3.2.2 Pg #: 6 Line #: last paragraph Code: c
 Comment: The text describes how the CMT will be constructed on either clean plastic sheeting resting on the ground or on saw horses. We agree that these methods are appropriate but we suggest that the CMT be fabricated and tested in the 'shop' rather than in the 'field'.
 Similarly, elsewhere the plan states that a standard hand drill with a drill stop will be used to place the holes in the CMT. If this technology proves useful enough to warrant the deployment of enough CMT wells, it may prove worthwhile to use a drill press instead of a hand drill. Placing the CMT in a simple jig and using a drill press should reduce the potential for mis-drilled holes.

- 6) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.
 Section #: 3.2.2 Pg #: 7 Line #: 13 Code: C
 Comment: A basis is provided for the elevations of each monitoring zone. What is the basis for selecting a 10-foot length for each monitoring interval? The selection of such a long open interval with only a three foot blank zone separating the intervals may result in

