



State of Ohio Environmental Protection Agency

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July 11, 2002

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

RECEIVED
JUL 11 2002
C-1581

RE: COMMENTS ON SOUTH FIELD PHASE II DESIGN

Dear Mr. Reising:

This letter provides Ohio Environmental Protection Agency comments on the PSP for Installation of the South Field Phase II Module Extraction/Re-Injection Wells and Additional South Field Monitoring Wells. In order to accommodate the schedule of the well drillers, the more significant comments were previously transmitted via e-mail on June 18, 2002 to members of the AR&WWT Project.

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.
- Mary Wojceichowski, Tetra Tech EM Inc.
- Ruth Vandergrift, ODH

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Ohio EPA Comments
PSP for South Field Phase II
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Section #: App. A Pg.#: A-3 Line #: 11 Code: C

Comment: A Type 8 well should be installed east of Extraction Well 33262. Multilevel monitoring capability is needed in this area because of the thickness of the plume and the relatively high concentrations that are encountered. Above FRL concentrations occur to a depth of 40 feet below the water table (Sections A-A' and B-B' from the South Field Phase II Design Report). Well 2385 (indicated as the east well at 33262) is not adequately positioned or of sufficient depth to achieve the stated monitoring objectives for the proposed monitoring network.

8) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.

Section #: App. A Pg.#: A-6 Line #: 27 Code: C

Comment: Proposed Monitoring Well 23273 south of 33061 should be designated as a Type 6 well. GP-12836 from Section B-B' (located in close proximity to the proposed monitoring well) shows that above FRL concentrations occur to a depth of over 30 feet and exceed 50 ug/L at a depth of 25 feet below the water table. The observed elevated concentrations occurring at significant depth below the water table warrant the installation of a deep monitoring well.