



State of Ohio Environmental Protection Agency

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FILE: [4466] DJGZ

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FE [unclear]

Bob Taft, Governor  
Maureen O'Connor, Lt. Governor  
Christopher Jones, Director

June 1, 2001

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

**RE: DESIGN OF REMEDIATION OF THE GMA IN THE WASTE STORAGE AREA**

Dear Mr. Reising:

This letter provides as an enclosure Ohio Environmental Protection Agency comments on the Design for Remediation of the Great Miami Aquifer in the Waste Storage and Plant 6 Areas. The design includes drawings and specifications.

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 EPA Comments  
 Design for Remediation in the Waste Storage Areas  
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- 9) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #: NA Pg.# NA Line #: NA Code: E  
 Comment: At numerous locations in the technical specifications and in the drawings, the extraction wells are mis-numbered.
- 10) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #:02667 Pg.#:8 Line #: 3.4.B Code: C  
 Comment: The following line should read:  
 "p = Test Pressure (Operating Pressure + 50 psi = 140100 psi + 50 psi)"  
 so as to be consistent with using 100 psi as the operating pressure for testing purposes.
- 11) Commenting Organization: Ohio EPA Commentor: DSW  
 Section #: 02900 Pg #: Technical Specification Line #: NA Code: C  
 Comment: This is not the current version of 02900, Soil Preparation and Seeding. There have been many substantive changes to this specification. Please obtain the new specification from the Natural Resources Group.
- 12) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #:13400 Pg.#:7 Line #:2.1.A Code: C  
 Comment: This line refers to drawing 95X-5900-E-0277, which is not included as a part of this spec package. Reference should be deleted, or the drawing should be included.
- 13) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #:13400 Pg.#:13 Line #:3.6.A.3 Code: C  
 Comment: There is not an attached Instrument Data Sheet for the Extraction Well Level Indicating Transmitters.
- 14) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #:13400 Pg.#:13 Line #:3.6.B.1-5 Code: C  
 Comment: There are no Instrument Installation Details attached for Items 1-5.
- 15) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #:13401 Pg.#:8 Line #:3.4.A Code: C  
 Comment: No panel layout diagram is attached to Section 13401.
- 16) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
 Section #: 15060 Pg.#:Attachment B Line #: Code: C  
 Comment: The correct P&ID drawing for Well Houses 26, 27, and 28 are 95X-5500-N-02044, not 95X-5900-N-00190 as currently indicated.

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- 17) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section #: 16483 Pg.#: Attachment A Line #: Code: C  
Comment: There is nothing in Attachment A (no Cincinnati Electric Bill of Material).
- 18) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section #: Dwg. 95X-5500-G-02006 Pg.#: NA Line #: 2 and #3 Code: C  
Comment: Both Lines #2 and #3 have pipe inverts depicted, but not labeled. What type of pipes are these?
- 19) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section#: Dwg. 95X-5500-A-02007 Pg.#: NA Line #: NA Code: C  
Comment: The 3" Pipe Discharge Location label should reference wells EW-25 through EW-28 (currently there are no wells listed), and should refer to Note 5, not Note 6.
- 20) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section#: Dwg. 95X-5500-A-02007 Pg.#: NA Line #: NA Code: C  
Comment: The EF-(25,26,27,28) label should refer to Note 6, not Note 7.
- 21) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section#: Dwg. 95X-5500-A-02008 Pg.#: NA Line#: NA Code: C  
Comment: There are two different Section Bs depicted. The Section B with the concrete pad (upper Section B) indicates a 6' concrete pad, while the section drawn on the Floor Plan on A02007 indicates a 4' concrete pad. These discrepancies should be addressed.
- 22) Commenting Organization: Ohio EPA Commentor: GeoTrans, Inc.  
Section#: Dwg. 95X-5500-E-02023 Pg.#: NA Line#: NA Code: C  
Comment: Elevation 13 is cited as being drawn on Drawing E02032; however, there is no Elevation 13 on Sheet E02032. Where is this Elevation 13 from?