



State of Ohio Environmental Protection Agency

Southwest District Office

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FERNALD

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George V. Voinovich
Governor

October 17, 2000

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

RE: APPROVAL MORE AGGRESSIVE RE-INJECTION WELL TREATMENT

Dear Mr. Reising:

This letter provides Ohio Environmental Protection Agency approval of the more aggressive re-injection well treatment procedure as outlined in your letter DOE-1033-00. We provide this approval without any conditions but we would like to be provided with the following information;

1. Details of the treatment procedures including volumes and concentrations of treatment chemicals, contact times between the chemicals and the formation, and duration time of the surge step. It would be helpful if we could have these procedures for both the existing treatment strategy and the more aggressive method.
2. Information on the iron concentration in both the raw groundwater and the treated water used for re-injection.
3. Information on the carbonate/bicarbonate content of the raw and injected water.

We agree that the common practice of removing five times the volume of treatment chemicals used is an appropriate rule of thumb for minimizing the introduction of foreign substances into the aquifer. We suggest measuring the pH as a simple method of

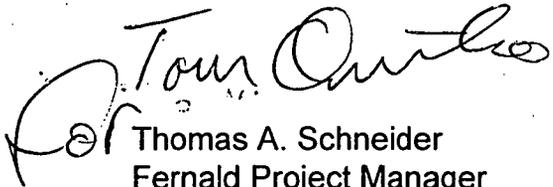
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monitoring the removal of the hydrochloric acid.

If 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, FDF
- Mark Shupe, HSI GeoTrans
- Francie Hodge, Tetra Tech EM Inc.
- Ruth Vandergrift, ODH