



## Department of Energy

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MAR 21 2003

Mr. James A. Saric, Remedial Project Manager  
United States Environmental Protection Agency  
Region V, SR-6J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

DOE-0287-03

Mr. Tom Schneider, Project Manager  
Ohio Environmental Protection Agency  
401 East 5<sup>th</sup> Street  
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

### **NOTIFICATION OF THE TERMINATION OF THE IMPLEMENTATION OF THE LEACHATE MANAGEMENT CONTINGENCY PLAN FOR THE ON-SITE DISPOSAL FACILITY**

Reference: Letter from J. Reising, to J. Saric and T. Schneider, "Notification of the Implementation of the Leachate Management Contingency Plan for the On-Site Disposal Facility," March 12, 2003.

The purpose of this letter is to inform the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA) that on March 20, 2003 the Project Manager of the Aquifer Restoration and Wastewater Project authorized the termination of the implementation of the "Leachate Management Contingency Plan for the On-Site Disposal Facility (OSDF) (January 2001)." The referenced letter provided notification of the implementation of the contingency plan, the situation requiring the implementation, and the mode of operation during the implementation of the contingency plan.

Failure of the Leachate Conveyance System (LCS) force main has been attributed to a failed, butt fusion joint in the four-inch carrier pipe. The failed joint was removed, inspected, and determined to be of poor initial quality. The failed joint apparently had sufficient strength to endure normal operating conditions and pressures, however, fundamental changes to the land use (i.e., the construction of Sediment Basin Number 2 for the OSDF) around cleanout Manhole 1A are believed to have imposed additional stresses causing failure of this joint. The failure of the force main was detected immediately due to the difference in flow rates as measured at the BioSurge Lagoon (BSL) and the OSDF lift station.

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Mr. James A. Saric  
Mr. Tom Schneider

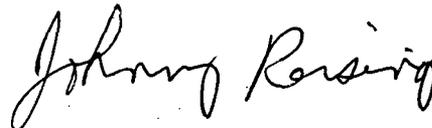
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The new section of double walled piping was spliced into place on March 9, 2003. It was determined that, with the improvements in pipe cleaning and inspection tools as utilized during this investigation and replacement work, the cleanout Manhole 1A is no longer required for operation of the LCS and therefore not reinstalled. This decision also eliminates one relatively more vulnerable point in the Leachate Transmission System (LTS). Hydrostatic pressure testing of the carrier pipe and low air pressure test of the containment pipe between Manholes 1 and 4 have been successfully completed as of March 17, 2003. Testing of the carrier pipe occurred at 150 pounds/in<sup>2</sup> for one hour. The Aquifer Restoration and Wastewater Project (ARWWP) completed a start-up review prior to placing the LCS force main back into operation. Monitoring the LTS Force Main using the flow differential indicator will identify any future failures in the pipeline thus minimizing any environmental releases. Placement activities in the OSDF will commence shortly.

If you have any questions, please contact Mr. Robert Janke at (513) 648-3204.

Sincerely,



Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FCP:R.J. Janke

cc:

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R. Vandegrift, ODH  
D. Brettschneider, Fluor Fernald, Inc./MS52-5  
D. Carr, Fluor Fernald, Inc./MS2  
M. Frank, Fluor Fernald, Inc./MS90  
T. Hagen, Fluor Fernald, Inc./MS9  
W. Hertel, Fluor Fernald, Inc./MS52-5  
M. Jewett, Fluor Fernald, Inc./MS52-5  
T. Poff, Fluor Fernald, Inc./MS65-2  
D. Powell, Fluor Fernald, Inc./MS64  
AR Coordinator, Fluor Fernald, Inc./MS78  
ECDC, Fluor Fernald, Inc./MS52-7