

**3860**

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**SOUTH GROUNDWATER CONTAMINATION  
PLUME REMOVAL ACTION WEEKLY REPORT  
OCTOBER 30, 1992**

**10/30/92**

**DOE-FN/EPA  
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REPORT**

[REDACTED]

SOUTH GROUNDWATER CONTAMINATION PLUME

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WEEKLY REPORT

OCTOBER 30, 1992

**Part 1 - Alternate Water Supply**

Completed 2500 linear feet of pipe testing for section of piping located north of Willey Road. The placement of the screen was accomplished in the second supply well.

**Part 2 - Pump and Discharge**

Installation of pipeline casing under State Route 128 and under Fernald Environmental Management Project (FEMP) south access road has been completed. Pouring of the valve house walls is in process. Completing installation of pipe arch just west of FEMP south access roadway. Manhole 182 concrete placement was completed. Installation of new box culvert along pipe crossing at Storm Sewer Outfall Ditch is nearing completion.

Condemnation packages to obtain access to the last two properties needed in support of Construction Packages 2C and 2D (Wellfield and Test Well) are being reviewed by the Department of Energy at Headquarter. Approval by the Secretary of Energy is anticipated by early January 1993.

**Part 3 - Installation and Operation of an Interim Advanced Wastewater Treatment (IAWWT) system to reduce uranium contaminant loading to the Great Miami River to a level less than 1,700 pounds per year.**

Preliminary design (30% design effort) of the additional flocculation/clarification step upstream of the IAWWT(BDN-ETS) is nearing completion. A project team will meet next week to review the design package.

**Part 4 - Groundwater Monitoring and Institutional Controls**

Sampling of selected South Plume RI/FS wells for the third quarter 1992 was completed in September. The treatment system installed at the private residence south of the FEMP continues to perform satisfactorily.

**Part 5 - Groundwater Modeling and Geochemical Investigation**

Installation has begun on four of the twelve monitoring wells delineated in the Design, Monitoring, and Evaluation Program Plan (DMEPP) and Part 5 Work Plan. Access to Knollman property has been granted to allow for the installation of these four wells. Property access negotiations are nearing completion for installation of two other wells in the series. Access to the remaining six wells will be held up because of the need to condemn one of the properties impacted by this program.