

**R-009-101.34**

**3235**

**SOUTH GROUNDWATER CONTAMINATION  
PLUME REMOVAL ACTION WEEKLY REPORT  
MAY 1, 1992**

**05/01/92**

**1  
ENCLOSURE**

**SOUTH GROUNDWATER CONTAMINATION PLUME REMOVAL ACTION**

**WEEKLY REPORT**

**May 1, 1992**

**3235**

**Part 1 - Alternate Water Supply**

The Department of Energy, Fernald Office (DOE-FN) is evaluating the option to proceed with limited construction.

**Part 2 - Pump and Discharge**

On April 28, 1992, DOE-FN, the U.S. Army Corps of Engineers (COE), DOE-Oak Ridge Field Office (ORFO) Realty and WEMCO went to discuss access with the property owner for Package 2A construction. Property owners' concerns are being evaluated at this time.

**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**

Construction of the Utilities Service and trailers fabrication for the Stormwater Retention Basin (SWRB) unit is proceeding on schedule.

Kick-off meeting on the Bionitrification/Effluent Treatment System (BDN/ETS) unit was held on April 27, 1992 and mobilization is expected to occur on May 4, 1992.

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

A tour of the private residences where wells have been contaminated by the South Groundwater Contamination Plume was conducted. Specific information regarding flow rates, availability of head tanks, and water use was obtained. The information collected indicates that several of the systems being considered for use in uranium removal will be adequate for this installation. Preliminary contacts were made with procurement in order to define an expedited procurement route for the required equipment installation. Additionally, a Request for National Environmental Policy Act (NEPA) Services was prepared and submitted in order to determine what level of NEPA documentation is required. It is anticipated that a Categorical Exclusion will be sufficient.

WEMCO OU 5 personnel prepared a fact sheet for WEMCO and DOE management regarding the increasing uranium concentrations in a private well south of the Fernald Environmental Management Project (FEMP). The fact sheet included background information on the South Plume, action levels established by the South Plume EE/CA and FEMP administrative policies, possible reasons for the increasing uranium concentrations, options on how to restrict access to the contaminated groundwater, and how to control migration of this plume.