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**SOUTH GROUNDWATER CONTAMINATION
PLUME REMOVAL ACTION WEEKLY REPORT
AUGUST 28, 1992**

08/28/92

**DOE-FN/EPA
3
REPORT**

SOUTH GROUNDWATER CONTAMINATION PLUME REMOVAL ACTION

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Part 1 - Alternate Water Supply

Condemnation packages were filed in court by the U.S. Attorney on August 25, 1992. Arrangements are being made to obtain immediate possession of easements.

Part 2 - Pump and Discharge

Package 2A (Discharge Pipeline): As a result of safety violations, construction activities were suspended last week. Corporate Martech and Rust Engineering (Fernald Environmental Management Project (FEMP) Construction Manager) representatives held meetings on August 21 and 24, 1992, to review Martech's policies, procedures, and training of personnel to verify compliance to Occupational, Safety and Health Administration (OSHA) regulations. Construction activities were resumed on August 24, 1992, in areas other than the valve house where shoring is required.

On August 26, 1992, additional contamination was discovered by a Radiation Safety Technician (RST) while excavating soils near by the river bank as part of trenching activities related to the installation of Manhole 183B. The excavation was stopped and the area of contamination secured and/or controlled. Construction activities in the area are on hold until a plan of action is developed, approved and implemented.

Package 2B1 (Outfall Cofferdam): The contractor's cofferdam design package was received and is being reviewed by A. M. Kinney, Architect/Engineer (A/E) design consultant, on this project. The project may be impacted due to delays that may be incurred while developing, approving, and implementing the plan of action to address the contaminated materials at the river bank.

Package 2C (Wellfield) and Package 2D (Test Well): A pre-bid meeting was held on August 20, 1992. Bid proposals are due by the first week of September 1992.

A final response from Mr. Weber's attorney was received on August 21, 1992. The U.S. Army, Corps of Engineers (COE) is preparing a letter to advise Weber that condemnation will proceed.

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

Interim Advanced Wastewater Treatment (Storm Water Retention Basin) IAWWT(SWRB)

The IAWWT(SWRB) System, Trailer Number 1 has been operating for approximately one week continuously without notable problems. The operation of the filters has been within design expectations. Early analytical results show that the ion exchange columns are removing uranium down to the single digit part per billion (ppb) range.

Interim Advanced Wastewater Treatment (Biodenitrification-Effluent Treatment System - IAWWT(BDN-ETS))

Filtration problems have been experienced that have resulted in clogging of the ion exchange vessels. This unit has been temporarily shut down until it is determined how to best protect the ion exchange vessels. Additional filtration and/or flocculation is being evaluated to solve this problem.

General

Enclosed is the property access schedule outlining the latest easement acquisition.

SOUTH GROUNDWATER CONTAMINATION PLUME - PROPERTY ACCESS STATUS/SCHEDULE

28-Aug-92

Legend: S - Schedule DOE - Dept of Energy
 F - Forecast COE - US Army Corps of Engineers
 A - Actual

PART 1 - ALTERNATE WATER SUPPLY

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
* Rowe & Rowe, Trustees (Mandery)	Complete	Denied, 3/06/92 S, 8/27/92 F	US Attorney has filed the condemnation packages into U.S. District Court (8/25/92)
* Lienesch, Frank	Denied ----->	Denied, 3/06/92 S, 8/27/92 F	U.S. Attorney is requesting immediate property possession.
* Unknown Owner	----->	3/06/92 S, 8/27/92 F	
Burton, Clayton & Rose Ann	Complete	Complete	Accepted Easement Offer.
Roy, Clarence	Complete	Complete	Accepted Easement Offer.
CSX Realty	Complete	Complete	Negotiating easement agreement.
Texas Gas & Transmission	Complete	Complete	Indefinite right-of-entry.
Albright & Wilson	Complete	Complete	Perpetual easement not required.
County Roads	Not Required	Not Required	Permit required prior to construction, has been obtained by contractor.

PART 2, Pkgs 2A/2B - DISCHARGE PIPELINE & OUTFALL TO GREAT MIAMI RIVER

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
Knollman Farms (S of Willey Rd)	Complete	Complete	Negotiations complete, Accepted Easement and License Offer.
Knollman Farms (E of RT 128)	Complete	Complete	Negotiations complete, Accepted License Offer.
Knollman Farms (W of RT 128)	Complete	Complete	Negotiations complete, Accepted License Offer.
Cincinnati Gas & Electric	Complete	Complete	Agreement signed CG&E management.
Mid-Valley Crude Oil Co.	Not Required	Not Required	Notification sent to Mid-Valley.
County Roads	Not Required	Not Required	Permit required prior to construction, has been obtained by contractor.

PART 2, Pkgs 2C/2D - WELLFIELD & TEST WELL

PROPERTY/INTEREST	RIGHT-OF-ENTRY SURVEY/EXPLOR.	RIGHT-OF-ENTRY CONSTRUCTION	COMMENTS
Albright & Wilson	Complete	Complete	Negotiating easement agreement.
* Delta Steel	Denied ----->	Denied, 8/03/92 S, 1/29/93 F	COE to forward condemnation package to DOE - Oak Ridge.
* CSX Transportation (RR)	Complete	Complete	Negotiating easement agreement and resolving CSX lease with Delta Steel.
and CSX Realty	8/03/92 S, TBD F	8/03/92 S, TBD F	COE is preparing letter to advise Weber that condemnation is proceeding.
* Weber, Earl	Knollman Farms (new - for access rd & monitoring well)	Complete	Negotiations complete, Accepted License Offer.
* Knollman Farms (new - for access rd & monitoring well)	Harrison Foundations (new - for access rd & monitoring well)	8/31/92 F	Revised agreement in progress.
* Harrison Foundations (new - for access rd & monitoring well)	* Texas Gas & Transmission (new - for access road)	8/31/92 F	Negotiations in progress.
* Texas Gas & Transmission (new - for access road)	* CSX Realty (new - for access rd and monitoring well)	8/31/92 F	Negotiations in progress.