

## SUMMARY OF SOIL & WATER PROJECTS PUBLIC WORKSHOP

August 7, 1997

Alpha Building, Classroom B

Twenty-five people attended the Soil & Water Projects Public Workshop on Thursday evening, August 7, 1997. In addition to the general public, this number included representatives from: FRESH, Citizens Advisory Board, OEPA, DOE-FN and Fluor Daniel Fernald.

Gary Stegner opened the meeting at 7 p.m. John Kappa, DOE-FN, gave a presentation on the aquifer restoration and how it addresses the sitewide groundwater remedy for the Great Miami Aquifer. There are several projects ongoing to clean up the aquifer. The South Plume Removal Action well system began pumping in August 1993. Total gallons pumped from 1993 to June 1997 is 2.3 billion gallons. Uranium concentration in off property area generally reduced from  $\approx 300$  ppb to  $\approx 200$  ppb. Monitoring indicates that plume capture objectives continue to be met.

Extraction wells are being installed to restore the off-property portion of the South Plume as quickly as possible. The design of the South Plume Optimization Project (SPOP) was completed in May 1997. The SPOP is comprised of two extraction wells located on private property immediately south of the FEMP. Construction is scheduled to be complete by April 1998 with start-up to begin by September 1998.

The Re-Injection Demonstration Project consists of five re-injection wells that are located just north of Willey Road. This project should enhance aquifer restoration and help reduce clean-up time. The installation of five re-injection wells was completed in May 1997. Construction activities for the project are scheduled for completion by April 1998.

The South Field Extraction System, Phase 1, consists of ten wells which were installed on-property in the vicinity of the Southfield/storm sewer outfall ditch. The ten extraction wells are designed to remove contaminated groundwater from the Southfield area. The contract for piping and ancillary facilities is expected to be awarded in August 1997. Phase 1 start-up is scheduled to begin by September 1998.

Next Dave Brettschneider gave a presentation on the Wastewater Treatment. The OU5 ROD requirements for wastewater treatment are: a limit of 600 lb/year uranium discharge to the Great Miami River, a discharge concentration of 20 ppb monthly average, and a limit to discharges of untreated stormwater from the storm water retention basin to the river to 10 days/year. The Advanced Wastewater Treatment (AWWT) facility expansion project will provide an additional design rated capacity of 1,800 gallons per minute (gpm) treatment for groundwater. The majority of the ground water that will be processed through this expansion will be from the South Field Area. The expansion project start-up date is April 30, 1998. Upon completion of the AWWT expansion, the total treatment design capacity will be 2,900 gpm -- 750 gpm design surface water treatment capacity and

600 gpm nominal throughput -- 2,150 gpm design groundwater treatment capacity and 1,720 gpm nominal throughput. Current operational uranium wastewater treatment facilities include:

- Advanced Wastewater Treatment - Phase I
- Advanced Wastewater Treatment - Phase II
- Interim Advanced Wastewater Treatment
- South Plume Interim Treatment

Recent construction activities completed include:

- Installation of Multi-media Filters on AWWT Phases I & II
- Parking Lot Stormwater Diversion

Current construction and start-up activities include:

- AWWT expansion to provide 1800 gpm groundwater treatment system
- AWWT resin regeneration system
- "New" Sewage Treatment Plant & Force Main

Current design and future construction and start-up activities include:

- Biodenitrification Surge Lagoon sludge removal system
- Storm Water Retention Basin sludge removal system
- "New" Volatile Organic Compound Treatment system

Next Dennis Carr gave a brief update on the Soils Project. The scope of the OU2 and OU5 RODs was excavation of soils with placement in the On-Site Disposal Facility (OSDF) (any soil or waste exceeding the OSDF Waste Acceptance Criteria would be shipped off site.) The total soil to the OSDF is 2.5 million cubic yards. Total soil that will be shipped off site is 34,400 cubic yards. The field work is progressing on schedule. In Area I Phase I, the excavation and certification sampling are complete. Cell 1 of the OSDF is under construction. Plans are to have three feet of cover material over the liner by December 1997. For Area 2 Phase I (Southfield Area), site preparation will be completed this year and the initial excavation will begin in the spring of 1998. Dennis mentioned all the activity and remediation going on at the site and encouraged people to visit and take a tour.

All questions were answered at the meeting. Six evaluation forms were completed and all said the presentations were very beneficial and complimented the presenters. Meeting adjourned at 8:50 p.m.

A court reporter was present and a transcript of the meeting will be available in two weeks at the PEIC. If anyone would like the presentation handouts, please contact Jeanie Foster at 5883.

