



Portsmouth Gaseous Diffusion Plant

September 8, 2009

Monthly Environmental Projects Update to the Site Specific Advisory Board

X-746 Shipping and Receiving Building Removal

- Engineering Evaluation/Cost Analysis (EE/CA), Removal Action Work Plan and Confirmatory Sampling Work Plan have all been approved by DOE and Ohio EPA.



Workers remove universal waste (bulbs, ballasts) from the X-746 Building prior to demolition.

- Asbestos removal is 80% complete.
- Confirmatory soil samples to be taken week of September 7, 2009.
- Demolition equipment has been received and work will begin on the south end of the structure the week of September 7.
- Completion of building removal is expected by the end of September 2009.

X-701B Groundwater Plume Treatment

- Initial results have been obtained from soil core samples collected during July 2009 at 90 locations in the X-701B groundwater plume area.
 - TCE analysis 100% complete for 360 samples.
 - Total Oxidant Demand analysis 100% complete for 720 samples.
 - Metals analysis 76% complete for 38 samples.
 - Radiological analysis 83% complete for 60 samples.
 - PCB analysis 0% complete for 33 samples.
 - Results will be used to support design of the interim measures to accelerate trichloroethylene (TCE) groundwater remediation (funded under Stimulus)

[Note: Separate presentation on preliminary soils Sampling Analysis Plan (SAP) results.]

X-344C Investigation/ Removal of Concrete Pad

- The characterization work plan activities and final report are completed.
- No contaminants of potential concern were detected above preliminary remediation goals and risk-based screening levels.
- Ohio EPA has stated no further remediation will be necessary at X-344C (except removal of concrete pad) but a No Further Action determination will not be made until the entire northern Quadrant IV area is reviewed in the future and addressed in a modification to the Quadrant IV Decision Document.
- Demolition and removal of concrete pad/storage tank supports to be completed by September 30, 2009.





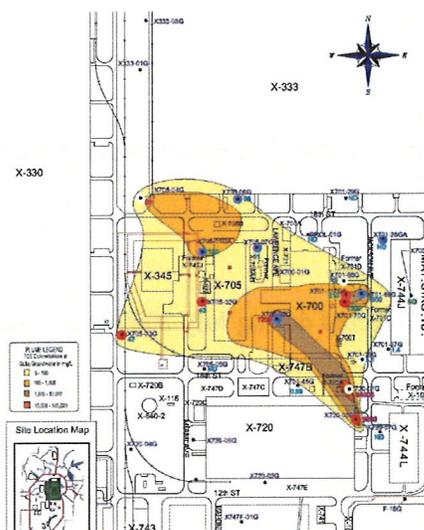
Portsmouth Gaseous Diffusion Plant

September 8, 2009

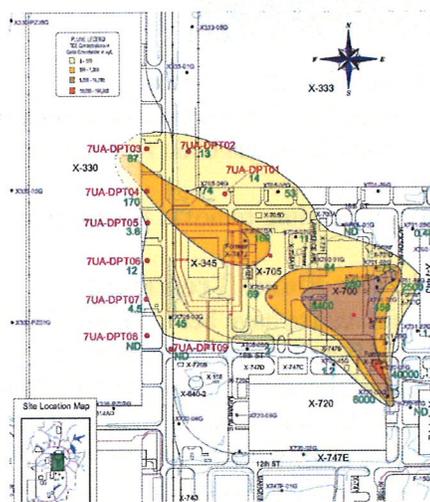
Monthly Environmental Projects Update to the Site Specific Advisory Board

7-Unit Groundwater Plume Investigation

- Conducted Membrane Interface Probe (MIP) field screening investigation from June 9-13, 2009 to characterize potential source areas at the former X-701C Neutralization Pit, the former X-720 Neutralization Pit and an aboveground storage tank (X-700T).
- The MIP screening identified a hot spot of trichloroethene (TCE) at the X-700 TCE aboveground tank area not previously identified.
- The aquifer performance test was completed on August 3-6, 2009.
- Followed MIP screening by installing and sampling 11 Direct Push Technology (DPT) borings on eastern portion of plume on August 11-18, 2009 (Note: the western portion of the plume had been sampled via 9 DPT borings in late June).
- MIP and DPT data have provided a new 7-unit plume configuration:



7-Unit Plume – June 2009



7-Unit Plume – August 2009

X-770 Pad Removal

- For efficiencies, schedules are being reviewed for removal of the X-770 concrete pad; the pad could be removed separately or potentially in coordination with the X-760 Chemical Engineering Building pad after demolition of the X-760 structure. No new updates.

