



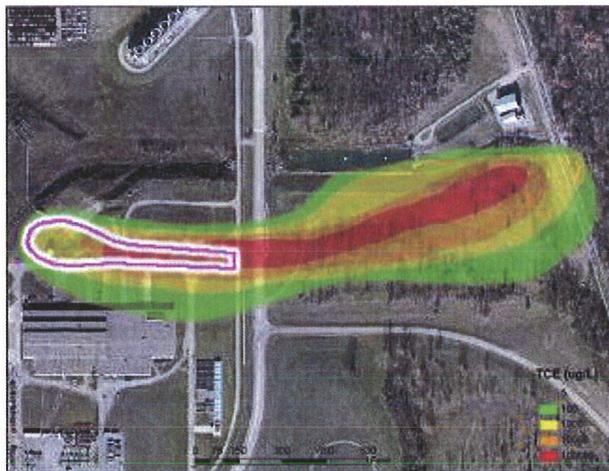
# Portsmouth Gaseous Diffusion Plant

June 9, 2009

## Monthly Environmental Projects Update to the Site Specific Advisory Board

### X-701B Groundwater Plume Treatment

- The X-701B groundwater trichloroethene (TCE) contamination source area is one of the six projects approved for American Recovery and Reinvestment Act (stimulus) funding. The project is to excavate and treat the higher contaminated soils in the X-701B Source Area (“spoon” area outlined in white below); TCE in the 0’-1’ depth above Sunbury shale layer.
- Detailed characterization of the X-701B plume area with 90 soil borings has been authorized and will begin within two weeks. Completion is expected in mid-July 2009.
- An Interim Action Work Plan will be submitted by LATA/Parallax to DOE on June 22 for review and submittal to Ohio EPA.
- Engineering design for dewatering and shaft installation is ongoing in preparation for excavation work; expect to drive first shaft in late August.
- Continuing contact with DOE technical expert, Brian Looney, lead on the Independent Review Team.



**X-701B Groundwater  
Plume Source Area**

### X-740 Groundwater Plume

- Recent sampling suggests that oxidant injections have not reduced the groundwater plume concentrations as expected.
- Results are being reviewed; other remedial alternatives are being evaluated and a plan for further action will be discussed with Ohio EPA.





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### **X-749/X-120 Groundwater Plume Investigation**

- Refinements to the X-749/X-120 groundwater flow and mass transport model and installation of three new extraction wells are planned for FY 2010.

### **X-344C Deferred Unit Soil Investigation**

- Recent results show that the soil and groundwater samples are below the established remediation goals (PRGs)
- Results are being provided to Ohio EPA for their review/concurrence.
- Planning for the removal of the X-344C concrete pad has begun.

### **7-Unit Groundwater Plume Investigation**

- Field investigation activities began the week of June 1 and will be completed by June 30, 2009.
- Temporary monitoring points have been installed to identify any potential groundwater sources within the 7-unit plume area.
- Sampling for TCE sources with a Membrane Interface Probe is being performed the week of June 8.
- An aquifer performance test will be conducted in July 2009.
- Planned oxidation events may be delayed pending the outcome of the X-740 groundwater plume review with Ohio EPA.

### **X-770 Concrete Pad Removal**

- Ohio EPA comments have been incorporated into the Work Plan.
- Expect field work to be conducted this summer.

### **X-746 Shipping and Receiving Building Removal**

- The public comment period for the Engineering Evaluation/Cost Analysis (EE/CA) ended on June 8, 2009.
- Ohio EPA comments have been incorporated into the EE/CA.
- No other public comments were received.
- Demolition is expected to commence in July 2009.

