



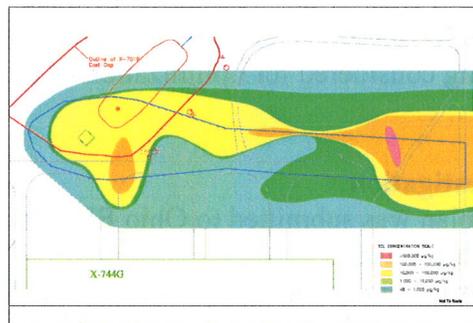
Portsmouth Gaseous Diffusion Plant

April 7, 2009

Monthly Environmental Projects Update to the Site Specific Advisory Board

X-701B Groundwater Plume Treatment

- Further oxidant injections have been suspended since injection, while effective in much of the upper soils, has been less effective in treating the last approximately one foot of high-concentration trichloroethene (TCE) contamination in the groundwater plume source area.
- The X-701B groundwater source area was one of the six projects approved for American Recovery and Reinvestment Act (stimulus) funding to excavate and treat higher contaminated soils.
- X-701B Source Area (“spoon” area outlined in blue below); TCE in the 0’-1’ depth above Sunbury shale layer:



X-701B Groundwater Plume Source Area

X-326 Extraction Well Project (March 2009 Progress Photos Below)

- Field work began on February 16, 2009 to install additional extraction well at southern end of X-326 building.
- Mechanical/piping tie-in completed on March 12, 2009.
- All trenching activities completed on March 16, 2009.
- Electrical tie-ins completed on March 19, 2009.
- Well expected to be operational by April 30, 2009.





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X-740 Groundwater Plume

- The January 2009 groundwater samples indicated a slight reduction in trichloroethene (TCE) contamination.
- The March 2009 groundwater samples were collected the week of March 16 and results are expected in April.
- Once results are received, the data will be reviewed with Ohio EPA before conducting further oxidant injections.

X-749/X-120 Groundwater Plume Investigation

- The seven monitoring wells installed at and around the X-749 landfill are being sampled in 2nd Quarter 2009 to further evaluate TCE levels.
- Refinements to the X-749/X-120 groundwater flow and mass transport model are still being considered for optimization of the plume remediation.

X-344C Deferred Unit Soil Investigation

- The revised work plan was submitted to Ohio EPA on March 2 and approved on March 10, 2009.
- A geophysical subsite survey was completed on March 10 and the first round of groundwater samples was collected on March 24, 2009.
- Field investigation activities are planned for completion by May 15, 2009.

7-Unit Groundwater Plume Investigation

- Purpose of investigation is to identify potential source areas that may be contributing to Quadrant II Groundwater Investigative Area.
- Ohio EPA approved the revised work plan on March 10, 2009.
- A geophysical subsite survey was conducted during March 10-12, 2009.
- Field investigation activities are planned for completion by June 30, 2009.

X-770 Concrete Pad Removal

- A meeting was held on March 5, 2009 with DOE and Ohio EPA to review the draft work plan; comments have been incorporated.
- The work plan is under final review by DOE.

X-746 Shipping and Receiving Building Removal

- The Engineering Evaluation/Cost Analysis (EE/CA) will be issued for public review on April 8, 2009 for a 30-day comment period.

