

# **DDFO Presentation January 2009**

**David R. Kozlowski**  
**Deputy Designated Federal Officer**



# Waste Disposition - December 2008

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- **Total cubic meters of low-level / mixed low-level waste shipped in December = 392 m<sup>3</sup>**
- **LPP has surpassed the monthly shipping goals thus far in Fiscal Year 2009**
  - 791 m<sup>3</sup> actual vs. 531 m<sup>3</sup> goal in November
  - 392 m<sup>3</sup> actual vs. 60 m<sup>3</sup> goal in December

# X-701B Oxidant Treatment Project

- **Phase II f oxidant injections were completed at 120 Gallia locations on October 29, 2008.**
- **Follow-up soil and groundwater sampling was completed prior to December 30, 2008.**
- **Phase II g oxidant injections are planned for Spring 2009.**



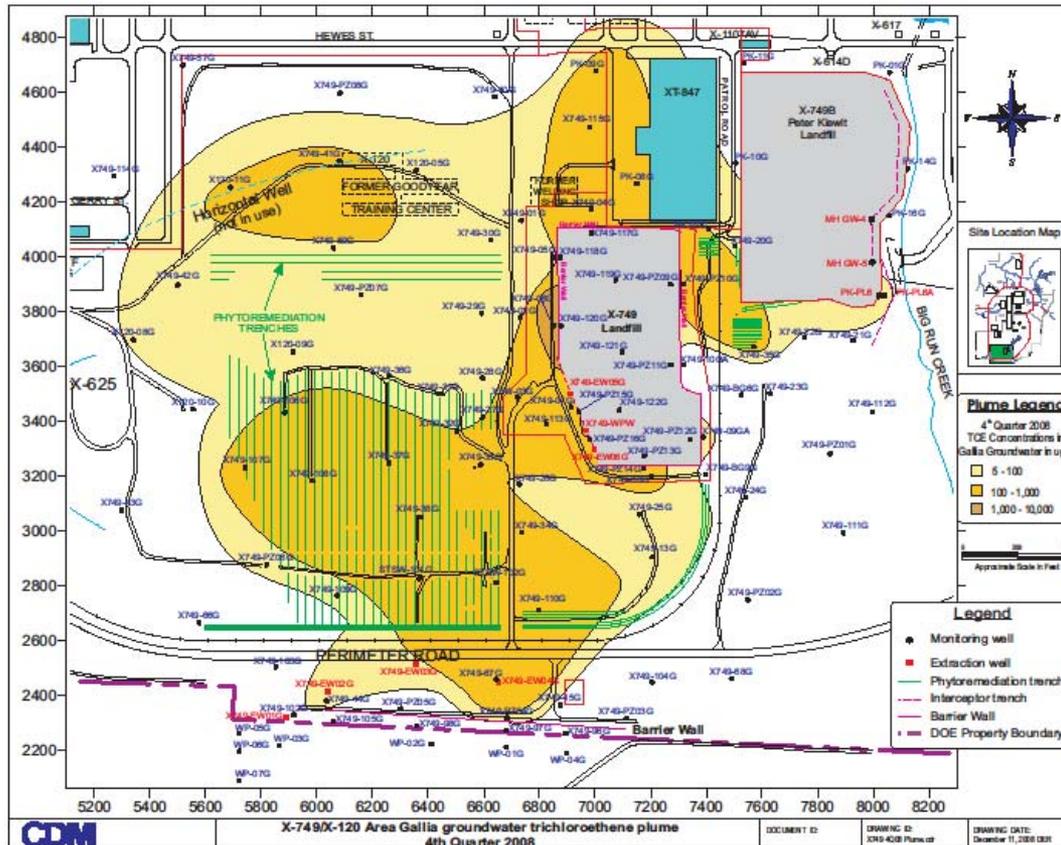
# X-701B Oxidant Treatment Project (cont.)

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- **A DOE HQ Independent Technical Review (ITR) of the remedy was completed on November 21, 2008.**
- **Ohio EPA participated in the ITR.**
- **A draft report from the ITR is under review at this time.**
- **A briefing on the ITR Report for Ohio EPA is being planned.**

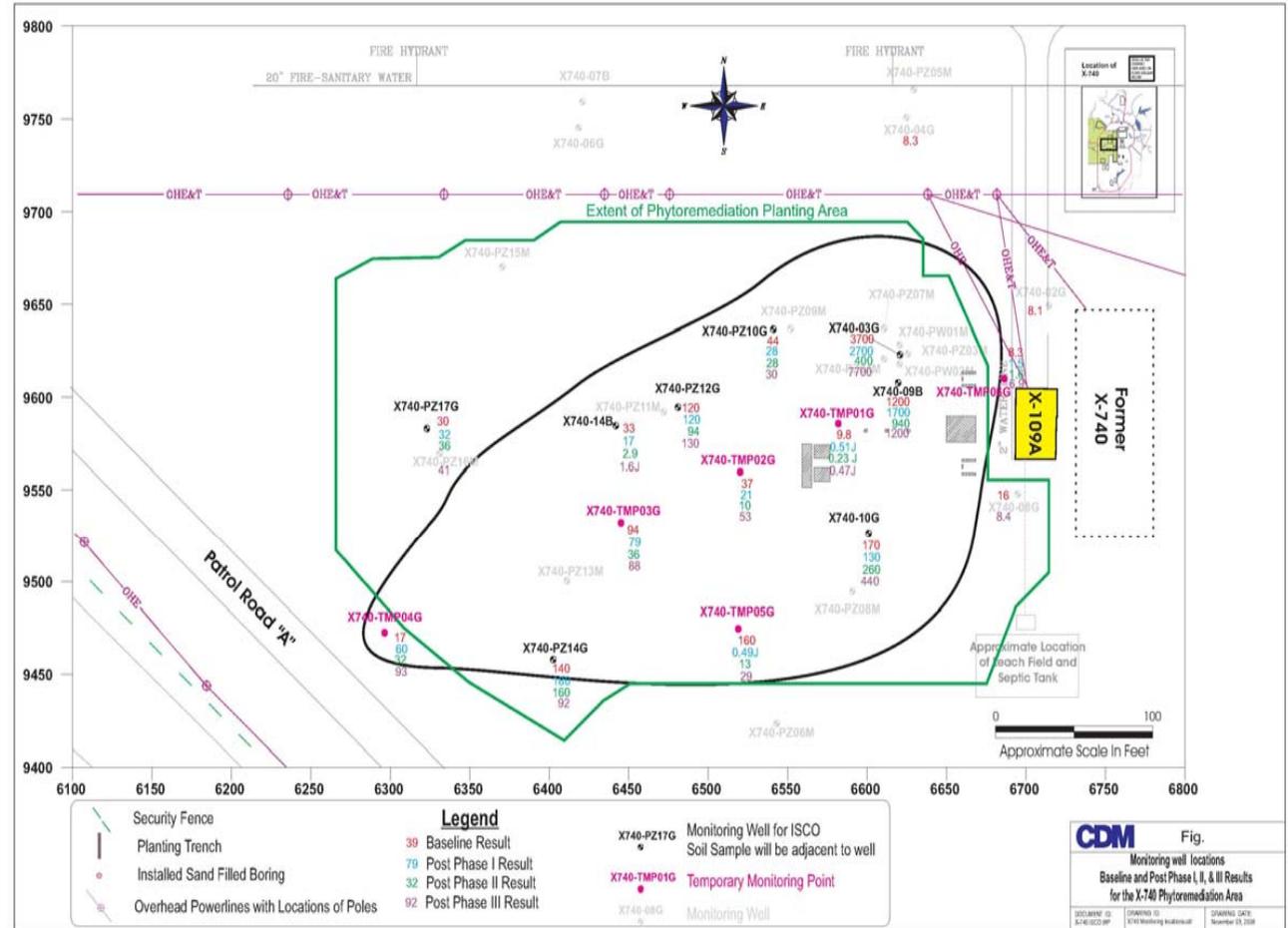
# X-749/X-120 Optimization Project

As result of 4th Quarter sampling, plume extent (5-100 ppb concentration level noted in yellow below) continues to be pulled back onto DOE property due to performance of new extraction wells.



# Status of X-740 Groundwater Plume Area

- **Baseline, post Phase I, II, and III groundwater results provided to Ohio EPA on November 18, 2008**
- **Results of January 2009 and March 2009 sampling will be reviewed with Ohio EPA before spring injection**



# Polybottle Disposition Project

- **Scope is to characterize, treat (if required) and dispose of 781 polybottles and their contents by September 30, 2009.**
- **Solutions to be sampled for acid and heavy metals. Results will determine if DOE will need to request a Resource Conservation and Recovery Act (RCRA) temporary treatment authorization from the Ohio Environmental Protection Agency (EPA).**
- **Material will be solidified in 55-gallon drums and shipped by truck to Nevada Test Site for final disposal.**
- **Status: Area preparation is currently on schedule.**



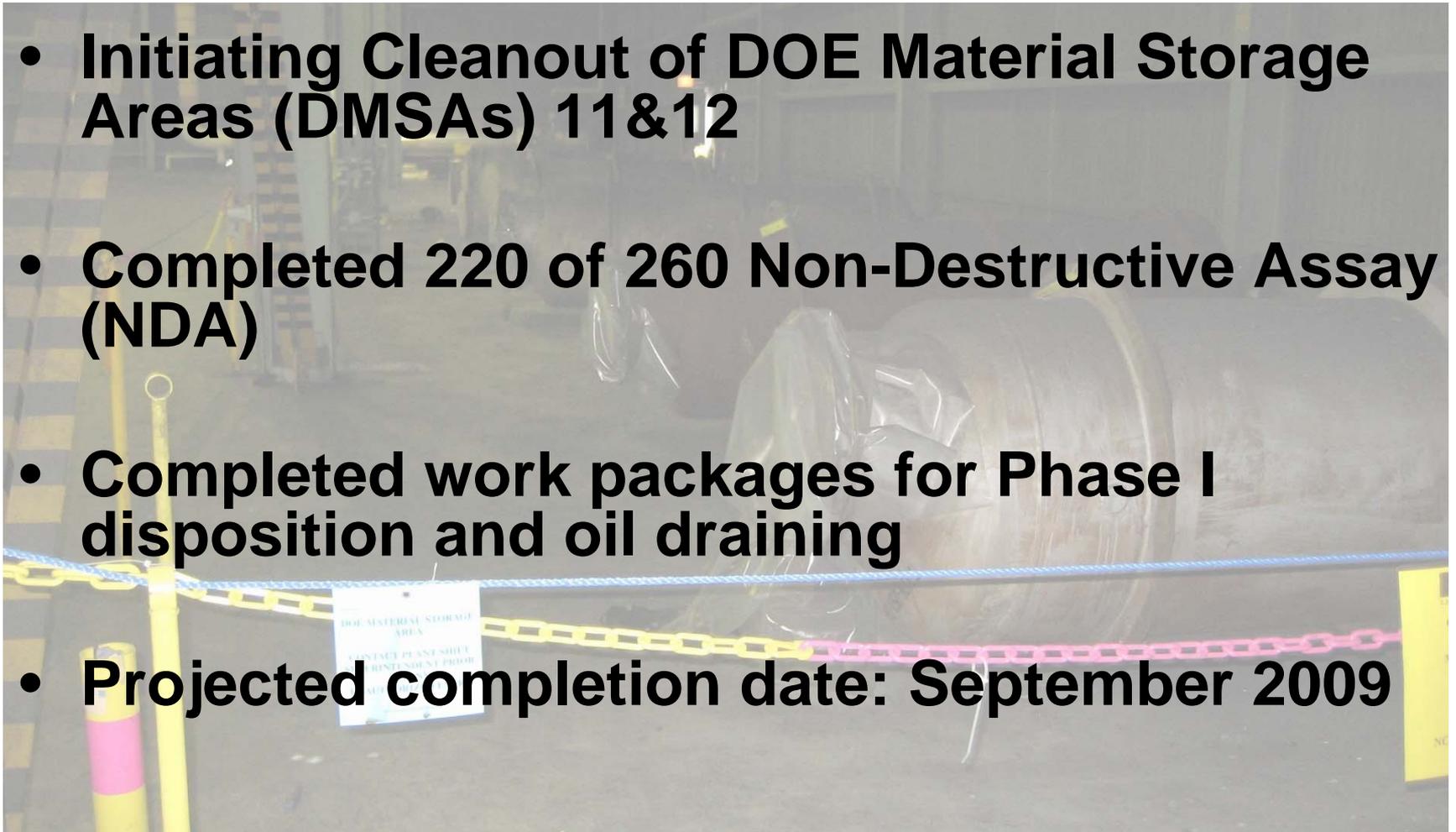
# Small Cylinders Phase II Project

- **Phase II of the small cylinder removal project entails disposal of cylinders with greater than heel quantities of UF6.**
- **Project status:**
  - **Phase II cylinder stabilization currently scheduled to begin in May 2009.**
  - **Once stabilized, waste will be shipped to NTS.**
  - **Project scheduled for completion by end of September 2009.**



# Cleanout of DMSAs 11&12 in X-326 Building

- Initiating Cleanout of DOE Material Storage Areas (DMSAs) 11&12
- Completed 220 of 260 Non-Destructive Assay (NDA)
- Completed work packages for Phase I disposition and oil draining
- Projected completion date: September 2009



# X-746 Shipping and Receiving Building Removal Project



- **On December 10, 2008, DOE and Ohio EPA met to discuss the Engineering Evaluation/Cost Analysis (EE/CA) process. The X-746 EE/CA is being revised for public release.**

# X-345 Building Cleanout

*Project being initiated to dismantle and dispose of High Activity Sampling and Analysis (HASA) Laboratory and supporting equipment, and High Assay Isotopic Standards Preparation (HAISP) Laboratory from inside X-345 Building.*

- **Plan to start the HAISP in late February, followed by the HASA**
- **Waste shipments to start March 31, 2009**
- **Completion by September 15, 2009**





## Portsmouth/Paducah Project Office

# Backup Information

# X-770 Concrete Pad Removal/Investigation Status

Below, **Green** and **Blue** designate agreed upon 13 additional sampling locations at the X-770 site.

