

Progress at the PADUCAH PROJECT

Update to the Citizens Advisory Board

June 16, 2005



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Contractor Transitions

-- Infrastructure

- Transition to Swift & Staley Mechanical Contractors, Inc. proceeding
- Assumes full responsibility for infrastructure June 27, 2005

-- DUF₆ Cylinder Management

- Includes cylinder inspections, maintenance and relocations to improved storage
- Will transition to UDS June 27, 2005

-- Remediation

- The Department has elected to take Corrective Action
- A Competitive Range has been established and the RFP is being amended
- The Source Evaluation Board will release the amended RFP soon, and discussions will follow
- Bechtel Jacobs' contract has been extended through August 31, 2005.





DUF₆ Conversion Project

- Permanent site lighting in place
- Warehouse foundation contract awarded
- Foundation field work to begin by early July
- Warehouse building contract award soon
- Facility 90% design work completed in March 2005 and undergoing DOE review and approval



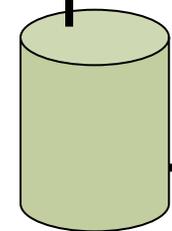
Site lighting is now available at the DUF₆ plant site



C-746-U Landfill

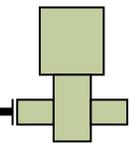
- Received permit modification for leachate treatment facility May 12, 2005
- Signed subcontract with A&K Construction to construct facility
- Completion in August 2005
- Will eliminate routine transfer of leachate to USEC Water Treatment Facility for processing and discharge

From leachate collection

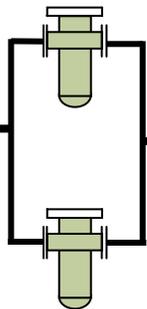


INFLUENT TANK

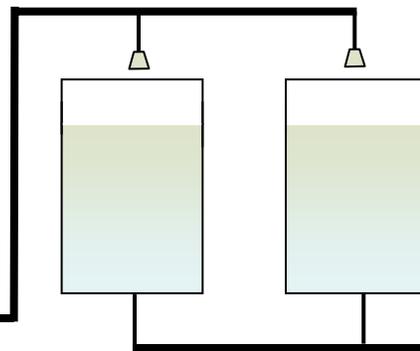
1,500 gallon



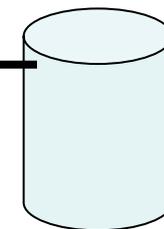
FEED PUMP



FILTERS



FLOWSORB



EFFLUENT TANK

1,500 gallon

To discharge →



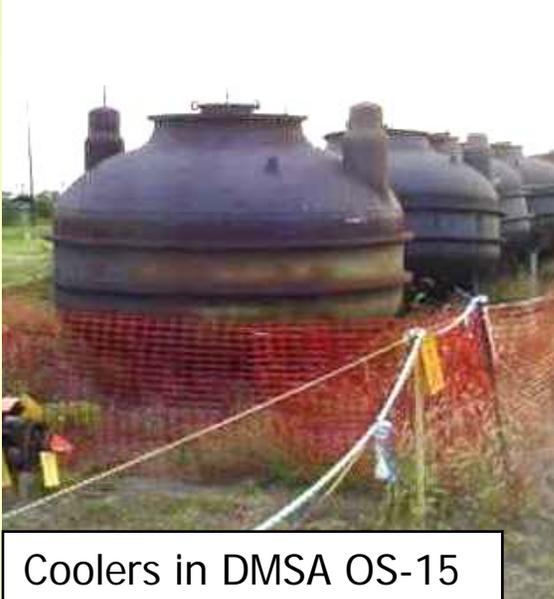
DMSAs

- Drummed material being removed, sorted, characterized, segregated, and repackaged
- Six of 14 coolers from DMSA OS-15 have been sized for disposal

May

Project Life

- | | | |
|-----------------|------------------|-------------------------------|
| • Characterized | 1,200 cubic feet | 638,000 of 864,000 cubic feet |
| • Packaged | 1,300 cubic feet | 265,000 cubic feet |
| • Shipped | 930 cubic feet | 243,000 cubic feet |



Coolers in DMSA OS-15



Cutting down cooler for packaging



Preparing to wrap section for disposal



Scrap Metal Removal

- NTS recertification audit underway this week, with exit briefing Friday, June 17
- Nevada has determined that 54 containers of scrap metal disposed at NTS did not violate regulations
- D-Yard field crews continue to downsize scrap; over 2,600 tons backlogged and ready for loading/shipment
- Continuing to work toward shipping 221 containers of scrap metal already in SeaLand containers to Envirocare by rail this summer
- Continuing to study cost-effectiveness of additional shipments to Envirocare by rail





Scrap Metal Turnings

- Approximately 2,300 (90%) of 3,000 drums of machine turnings processed through May 20, and ready for disposal pending security approval
- All 3,000 drums to be disposed at Envirocare by October 2005

Processing drums
of metal turnings





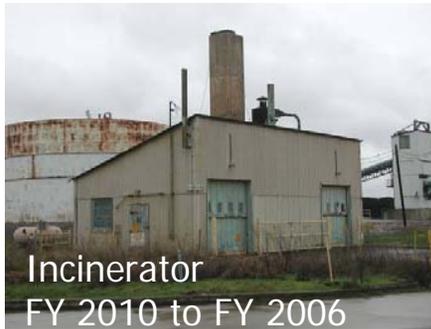
Expedited Cleanup Projects

UF4 Drums

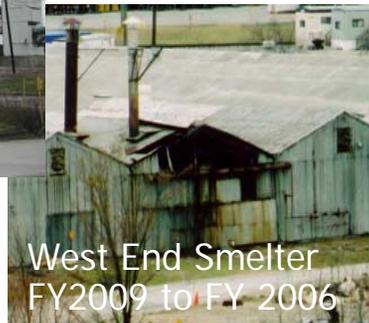
- Preparing for shipments to Duratek starting in mid-July
- Final disposal at Envirocare to be completed within FY 2005



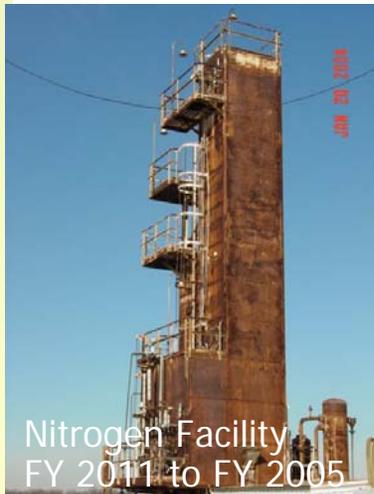
UF4 drums
2007 to FY 2005



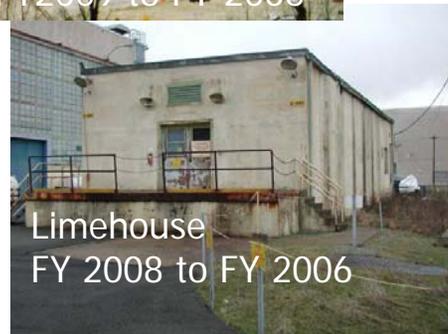
Incinerator
FY 2010 to FY 2006



West End Smelter
FY2009 to FY 2006



Nitrogen Facility
FY 2011 to FY 2005



Limehouse
FY 2008 to FY 2006



Outdoor Legacy LLW

- Approximately 1600 containers reviewed and categorized
- Reviewing first landfill disposal package, for nine roll-off bins of crushed empty drums



Inactive Facilities D&D

Nitrogen Facility

- Issued Request for Proposal as Maintenance Action
- Evaluating proposal from subcontractor



Limehouse, Contaminated Item Incinerator, and West End Smelter

- D1 Engineering Evaluation /Cost Analysis submitted to EPA and Kentucky June 10, 2005 for review and approval

Walkdown of Limehouse equipment



C-410 D&D

- Asbestos sampling showed presence of asbestos in Zone 21
- Performed extensive asbestos removal (vacuuming) and initiated fixative application
- Completed walls demolition for installation of Boundary Control Station



C-420 BCS Area, before demolition and after fixative application



C-410 D&D Waste

- Began shipping low-level waste scrap metal from HF Tank Farm using new and improved intermodal containers
- Waste includes platforms, railings, walkways, structural steel
- Completion in June 2005



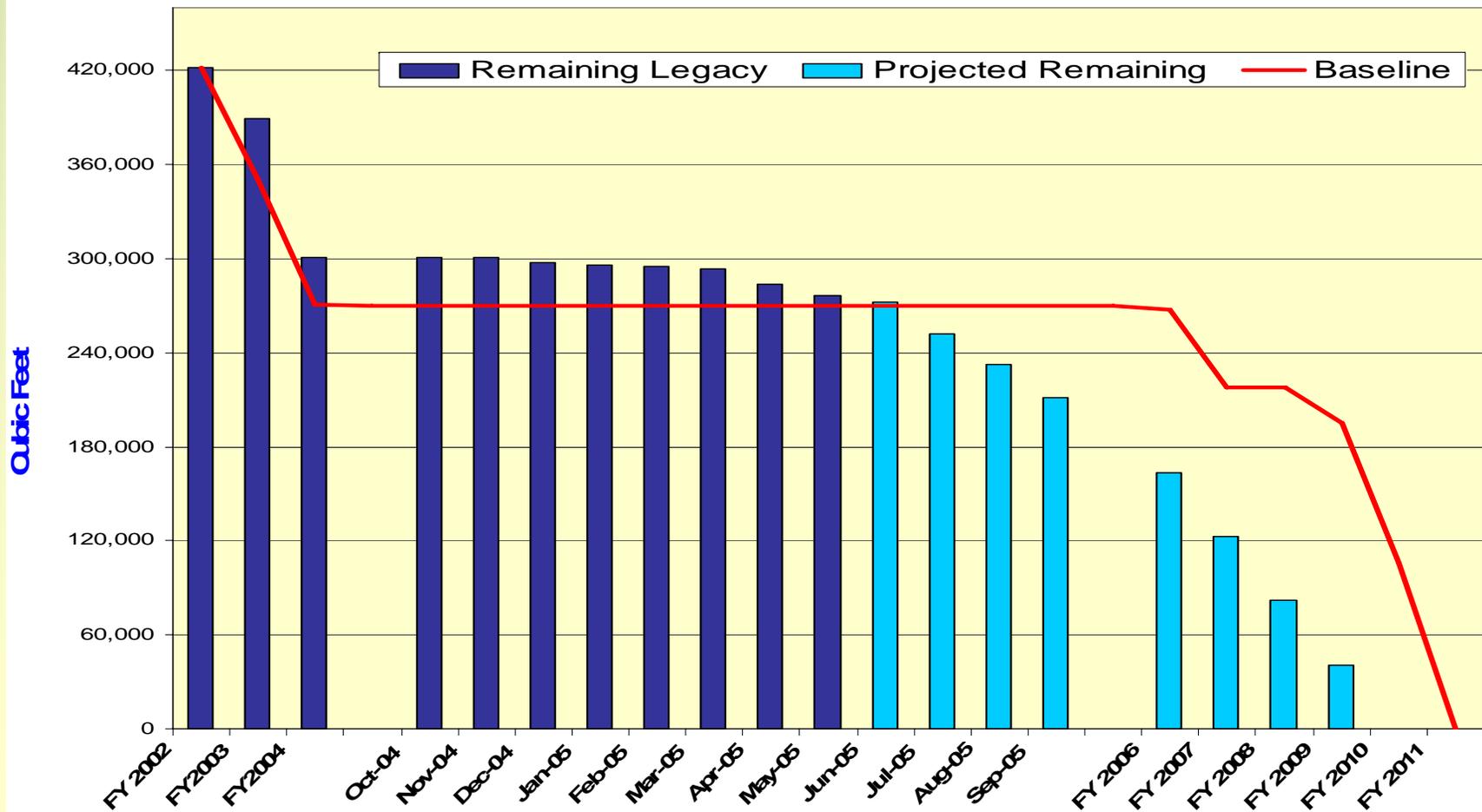
"205" removable hard top, steel floor intermodal containers of HF tank debris—first of 12 to be shipped



Legacy Waste Disposition

May

- Disposed 1,730 cubic feet of Agreed Order waste in the C-746-U landfill
- Shipped 5,951 cubic feet of Agreed Order waste to Envirocare
- Continued processing Agreed Order waste for landfill and Envirocare

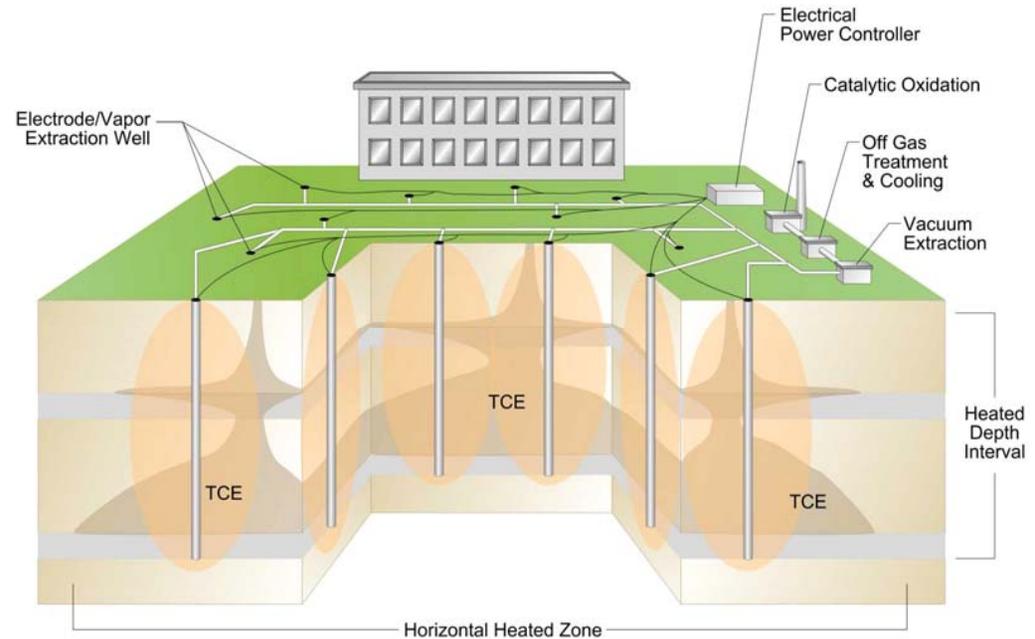




Groundwater Operable Unit

C-400 ROD

- Kentucky comments received June 15
- DOE has 30 days to respond



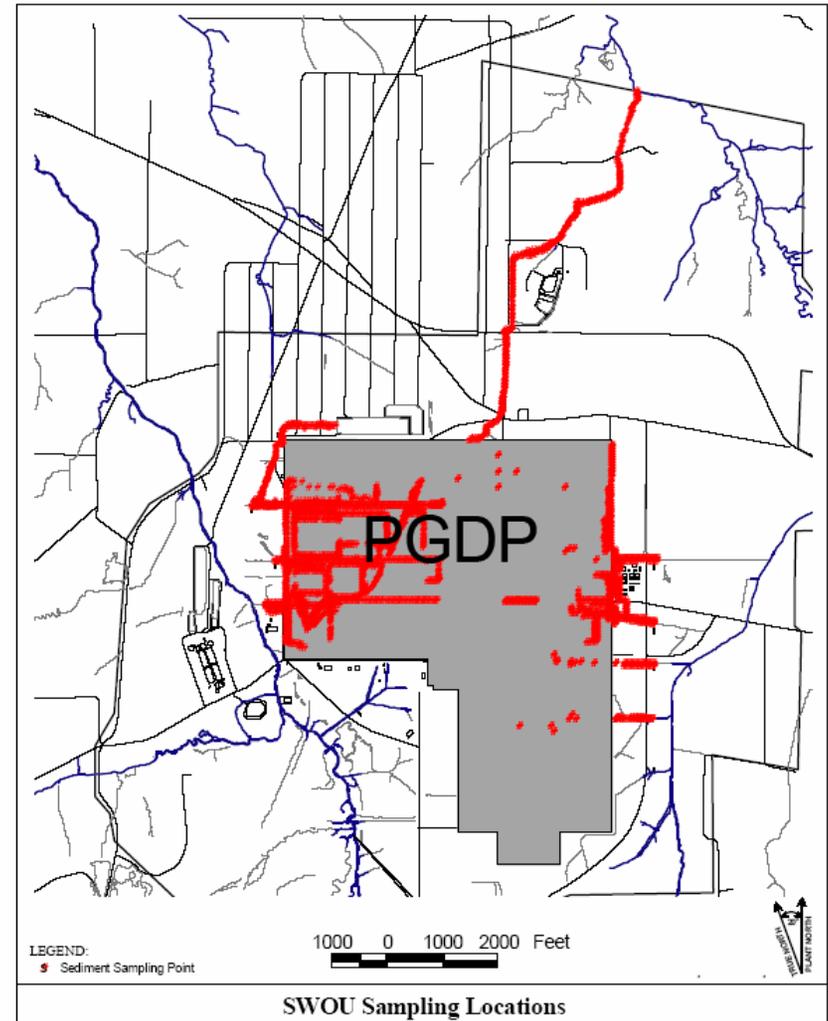
Southwest Plume

- D1 Proposed Plan was scheduled for submittal to regulators by July 2, 2005
- FFA modification being prepared to realign milestones due to extensions for document review
- Under a revised milestone schedule, D1 Proposed Plan submittal to regulators by September 7, 2005



Surface Water Operable Unit

- D2 Sampling and Analysis Plan (SAP) approved by Kentucky, following resolution of issues (previously approved by EPA)
- Field work to begin June 20, 2005
- Over 3,000 screening samples and 400 lab samples will be collected from soils and sediments of NSDD Sections 3, 4 and 5, outfalls and internal ditches, and storm sewer discharge water
- Site Investigation/Baseline Risk Assessment will be submitted to the regulators during the summer of 2006



DATE 05-19-05



Burial Grounds Operable Unit

- D1 Remedial Investigation/Feasibility Study Work Plan on schedule for submittal to regulators by June 30, 2005



C-746-F Burial Ground

