

Progress at the PADUCAH PROJECT

Update to the Citizens Advisory Board

July 21, 2005



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Contractor Transitions

-- Infrastructure

- Swift & Staley Mechanical Contractors, Inc. assumed full responsibility for infrastructure June 27, 2005

-- DUF₆ Cylinder Management

- Uranium Disposition Services assumed responsibility for cylinder inspections, maintenance and relocations to improved storage on June 27, 2005

-- Remediation

- The Source Evaluation Board released the amended Request for Proposals on June 20, 2005. Offerors identified by DOE as having been within the competitive range have until August 4, 2005 to submit responses to the revised RFP.
- For purposes of constructing cost proposals, offerors have been instructed to assume a November 1, 2005 contract award date.
- DOE has notified Bechtel Jacobs of intent to extend the BJC contract through January 29, 2006.



DUF₆ Conversion Project

- Warehouse foundation fieldwork began week of July 18, 2005
- Warehouse building contract awarded July 1, 2005
- Expect Warehouse completion February 2006
- Facility 90% design work completed in March 2005 and undergoing DOE review and approval



Latest Overview



Scrap Metal Removal

- NTS recertification received July 15; shipments from D-yard to begin by week of July 25
- D-yard field crews continue to downsize scrap; over 3,000 tons backlogged and ready for loading/shipment
- Overpacking of 221 containers of scrap metal already in SeaLand containers into rail gondola cars for shipment to Envirocare began July 19
- Continuing to study cost-effectiveness of additional shipments to Envirocare by rail



Loading SeaLand containers into gondola rail cars July 19, 2005



Scrap Metal Turnings

- All scrap metal turnings (over 3100 drums – approx. 300 tons) are processed and ready for disposal
- First shipment was made on July 11, 2005
- All 300 tons to be disposed at Envirocare by October 2005

First turnings shipment July 11, 2005



Second turnings shipment July 15, 2005



Expedited Cleanup Projects

UF4 Drums

- First shipment offsite on June 27, 2005; shipments to continue week of July 25, 2005
- Processing has confirmed contents are acceptable for disposal at Envirocare
- Final shipment offsite scheduled for completion within FY 2005



UF4 Drums
FY 2007 to FY 2005



Expedited Cleanup Projects

Outdoor Legacy LLW

- Landfill disposal package approved for 17 roll-off bins of crushed empty drums and debris (~ 9,200 cubic feet)
- Planning underway to ship ~ 2,900 cubic feet of floor sweep to Envirocare
- Reviewing data to determine best disposal method for ~ 5,300 cubic feet of soils
- Remaining ~ 7,000 cubic feet of ~ 24,400 total accelerated outdoor legacy waste inventory being identified.

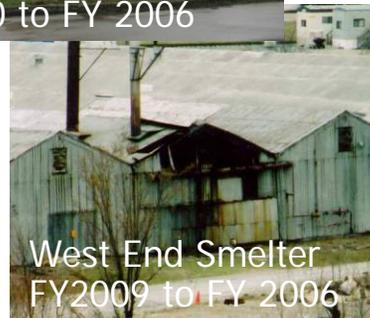
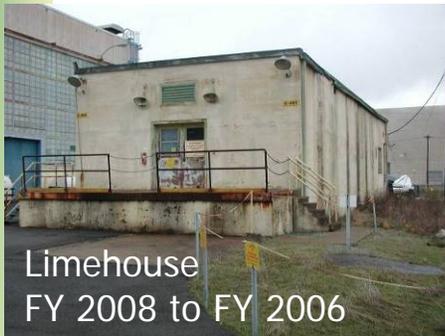




Inactive Facilities D&D

Nitrogen Facility

- To be removed as a Maintenance Action
- Paint sampling conducted July 6
- Contract awarded to API Contactors July 18



Limehouse, Contaminated Item Incinerator, and West End Smelter

- EPA and Kentucky comments on D1 Engineering Evaluation and Cost Analysis received July 11, 2005
- DOE to submit D2 EE/CA by mid-August



C-410 D&D

- Continued asbestos removal and confirmatory sampling in Zone 21 has allowed downposting to “clean” status; permitting further work without mandatory respiratory protection
- Completed shipping low-level waste scrap metal from HF Tank Farm to Envirocare
- Installed a “cool shack” in C-410 to relieve heat stress
- Initiated removal of fluorine cell stands and platforms in Sector 2.



Cool shack



Unbolted fluorine cell stand and platform, with broken pieces of platform in foreground



DMSAs

- Drummed material being removed, sorted, characterized, segregated, and repackaged
- Five coolers from DMSA OS-15 have been shipped for disposal; two additional coolers cut down and packaged in June; eight coolers and one booster remaining

	June	Project Life
• Characterized	2,500 cubic feet	641,000 of 860,000 cubic feet
• Packaged	4,000 cubic feet	269,000 cubic feet
• Shipped	9,600 cubic feet	252,000 cubic feet



DMSA OS-15 before field work



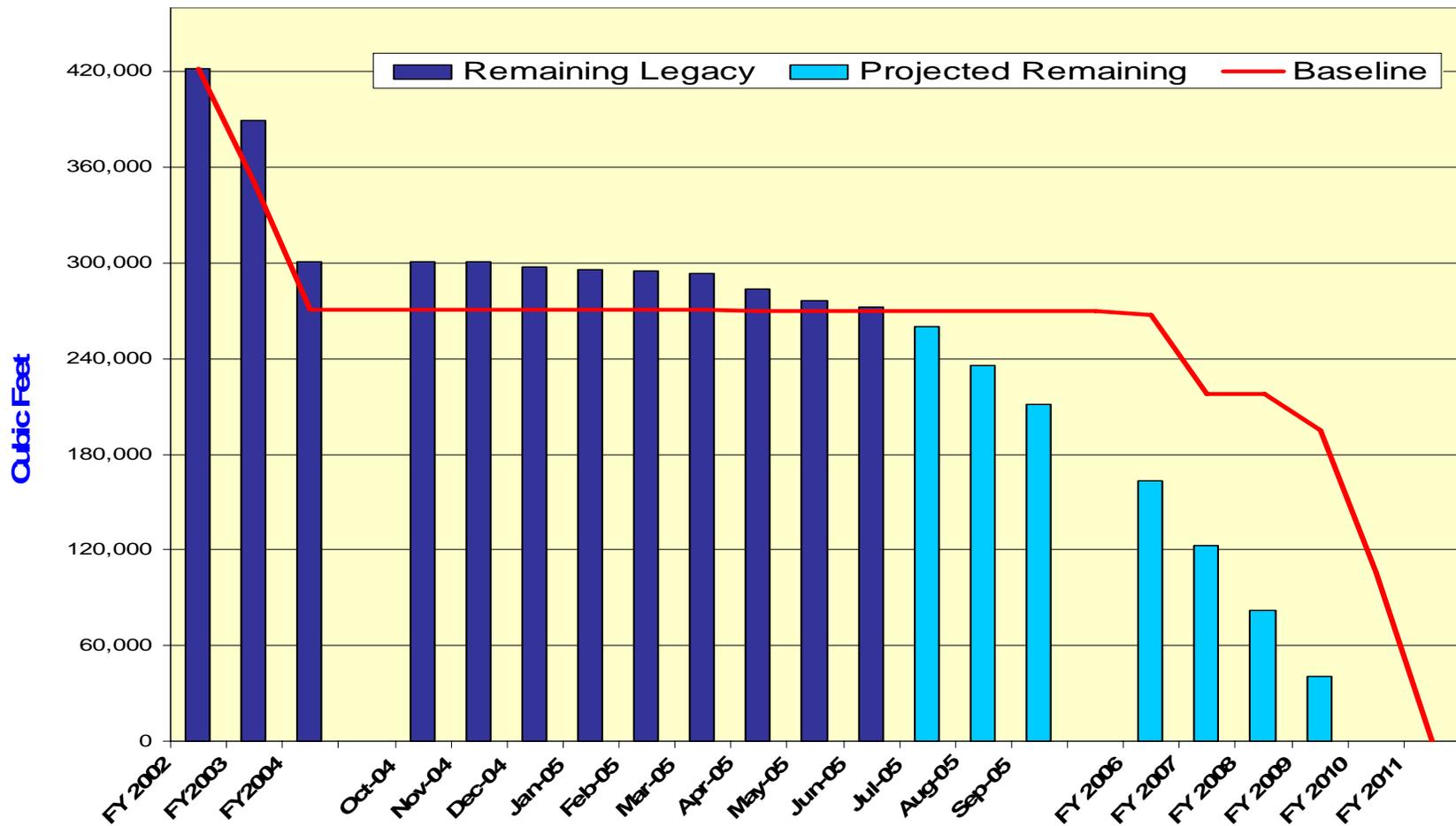
DMSA OS-15 on July 15, 2005



Legacy Waste Disposition

June

- Disposed 1,500 cubic feet of Agreed Order waste in the C-746-U landfill
- Shipped 1,995 cubic feet of Agreed Order waste to Envirocare
- Continued processing Agreed Order waste for landfill and Envirocare

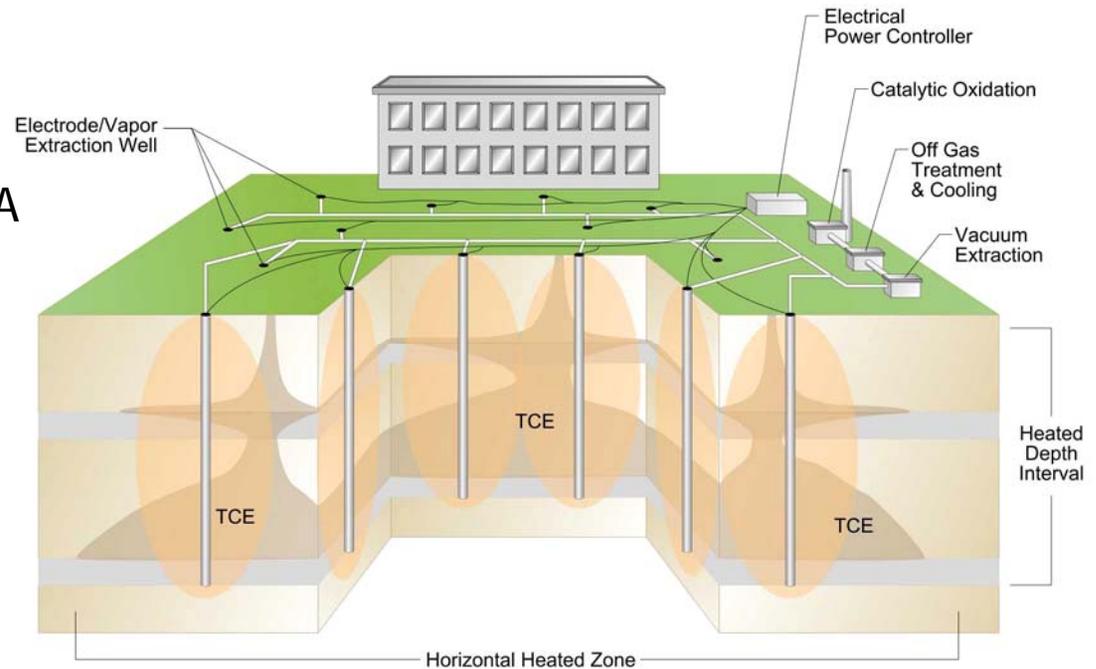




Groundwater Operable Unit

C-400 ROD

- DOE sent D2 ROD to EPA & Kentucky July 12
- Kentucky approved ROD July 19
- ROD signature expected in early August



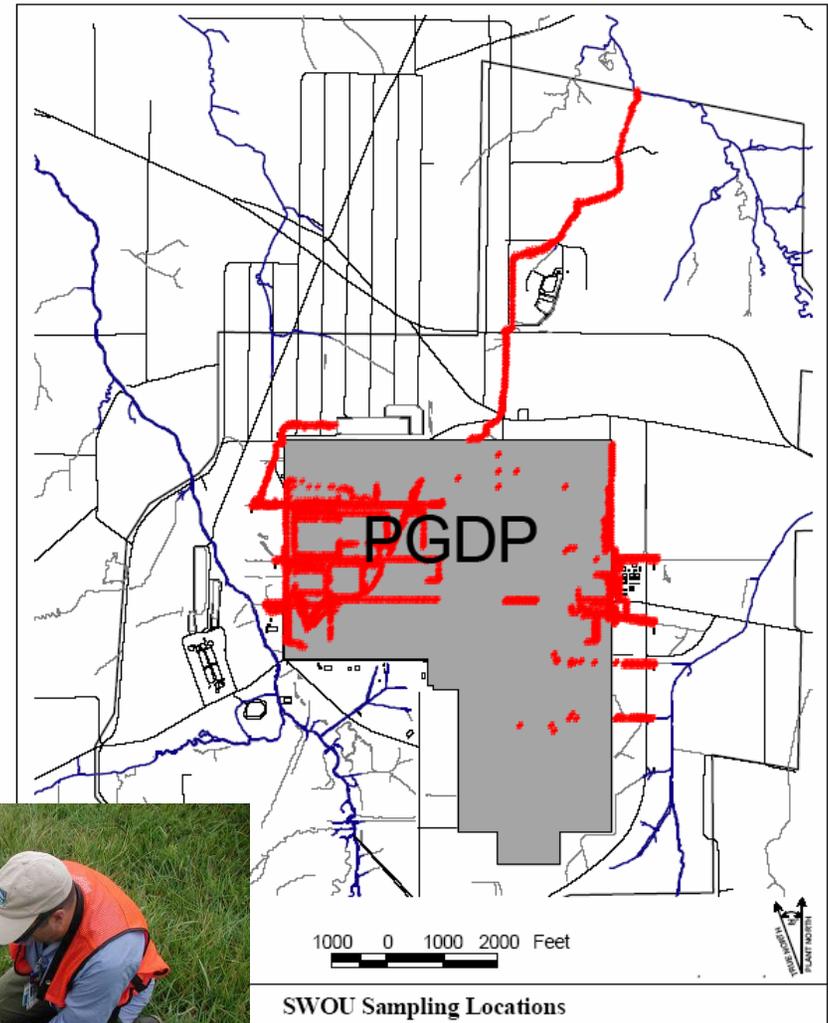
Southwest Plume

- FFA modification submitted to regulators to realign milestones due to extensions for document review
- Under revised milestone schedule, D1 Proposed Plan submittal to regulators by September 7, 2005



Surface Water Operable Unit

- Field work began June 20, 2005
- Over 3,000 screening samples and 400 lab samples are being 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

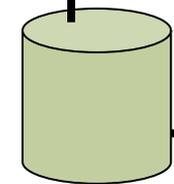




C-746-U Landfill

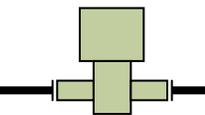
- Disposed of 88 tons of waste in June
- Kentucky withdrew permit modification for S, T and U landfills (including the leachate treatment facility) on July 6 because of internal procedural issues
- Expecting reissuance of permit modification following completion of comment period
- Now anticipating completion of leachate treatment facility in September 2005

From leachate collection

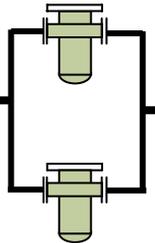


INFLUENT TANK

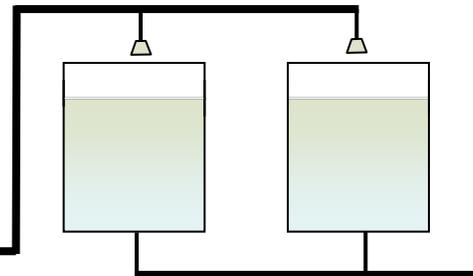
1,500 gallon



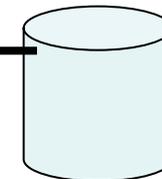
FEED PUMP



FILTERS



FLOWSORB



EFFLUENT TANK

1,500 gallon

To discharge →



Burial Grounds Operable Unit

- DOE submitted D1 RI/FS Work Plan to regulators, meeting June 30, 2005 milestone
- EPA and Kentucky have up to 90 days to review and provide comments.



C-746-F Burial Ground

