

Progress at the PADUCAH PROJECT

Update to the Citizens Advisory Board

November 17, 2005



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DUF₆ Conversion Project

- Conversion Building foundation construction underway
- Conducting extensive review of 30A cylinder records in response to OIG concern for potential presence of phosgene

1166 piles installed for conversion building ground stabilization





Scrap Metal Removal

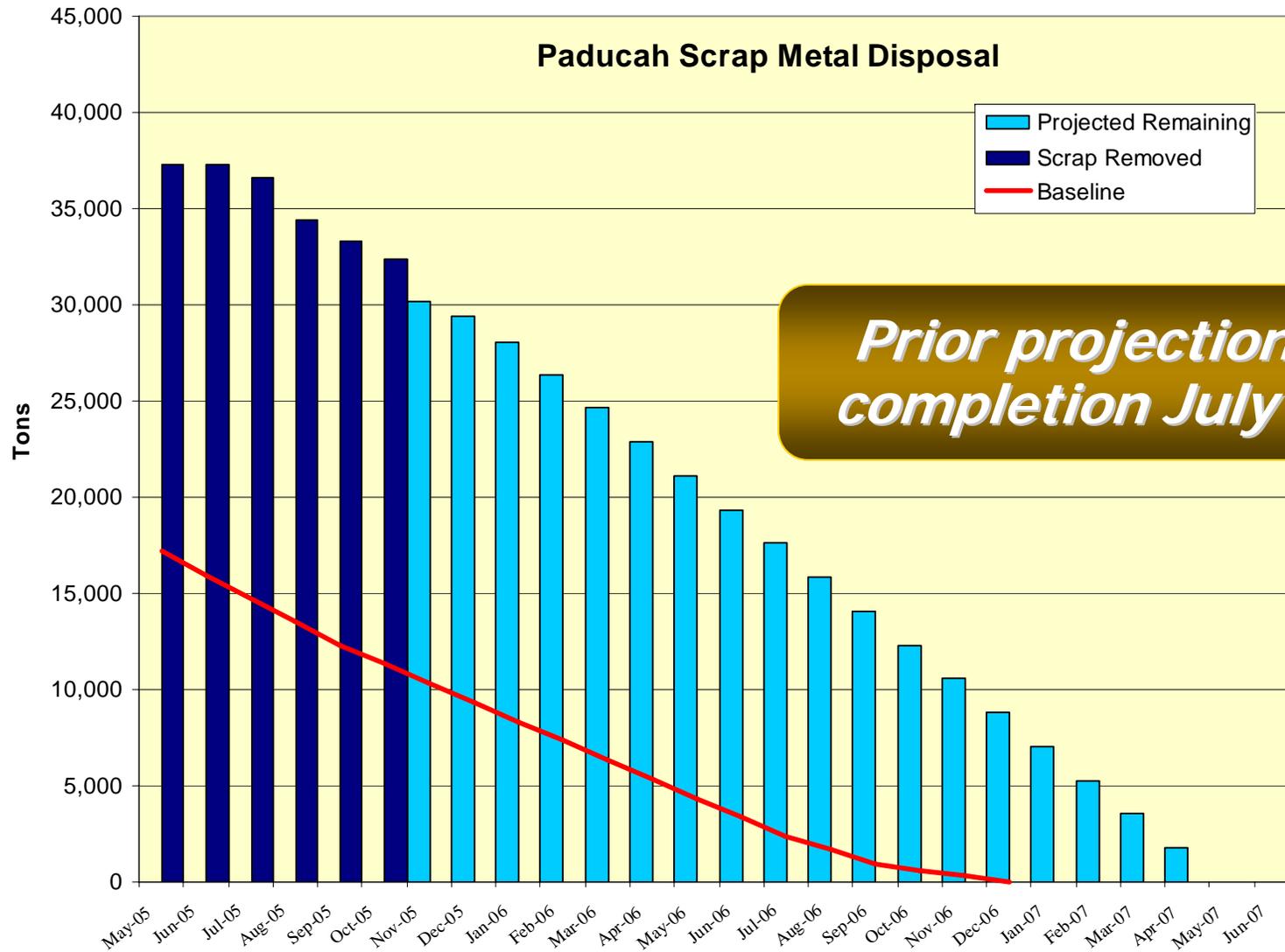
- Shipped 893 tons of D-Yard scrap to NTS in October; 2,190 tons total shipped since July
- Envirocare has assumed the WESKEM subcontract; shipments of Northwest scrap to resume in December.



A "Mi-Jack" lifts a 40-foot Envirocare shipping container in the C-759 scrap loading area



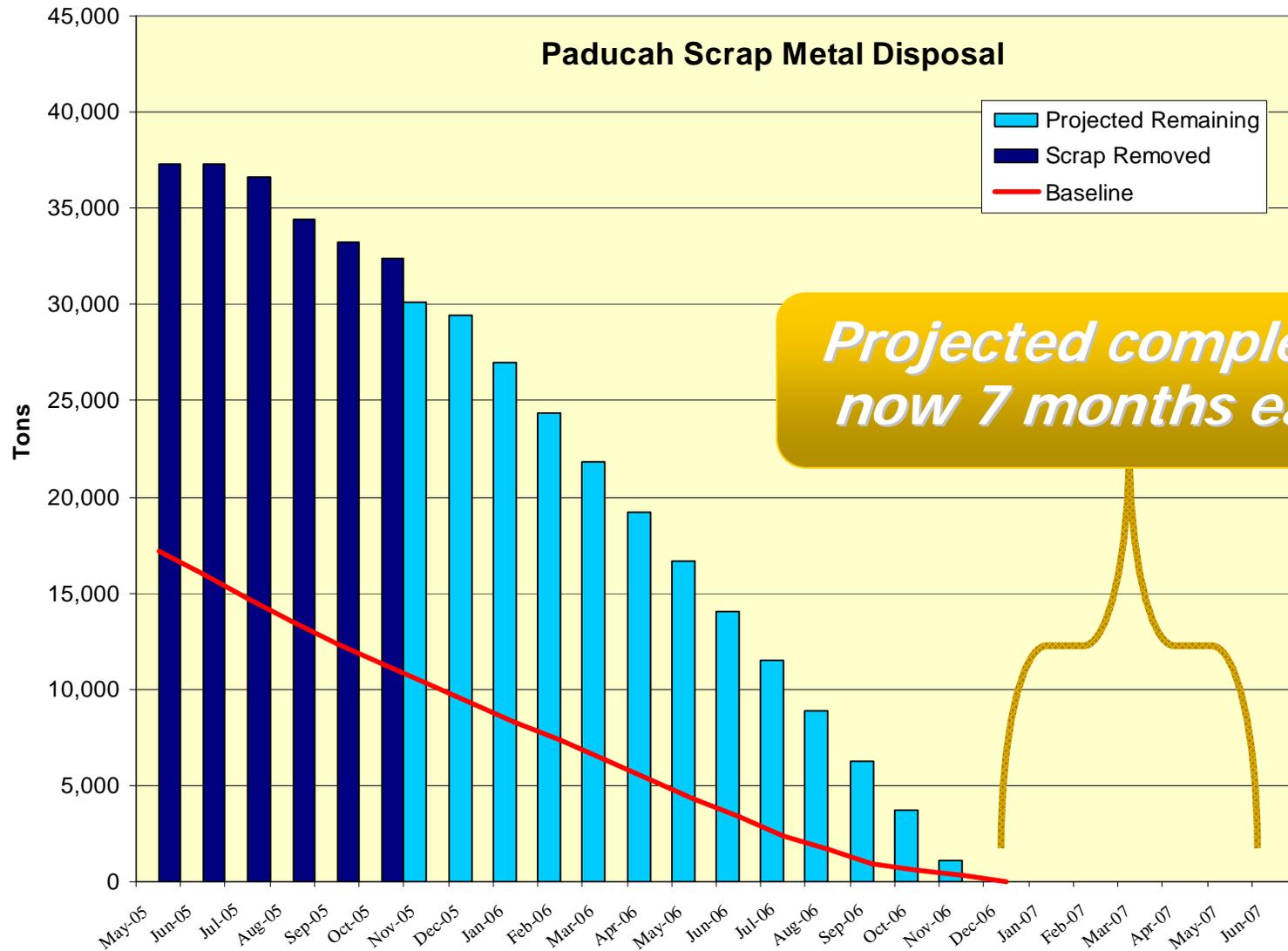
Scrap Metal Removal



Prior projection for completion July 2007



Scrap Metal Removal





Inactive Facilities D&D

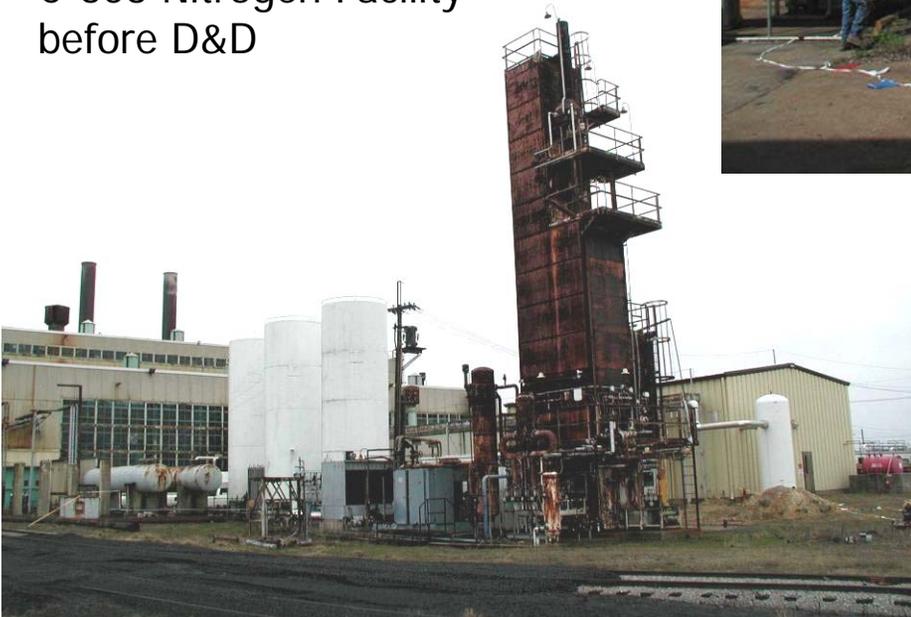
Nitrogen Facility



Lifting out last nitrogen tank

Fieldwork complete

C-603 Nitrogen Facility before D&D



Area of the C-603 Nitrogen Facility after D&D

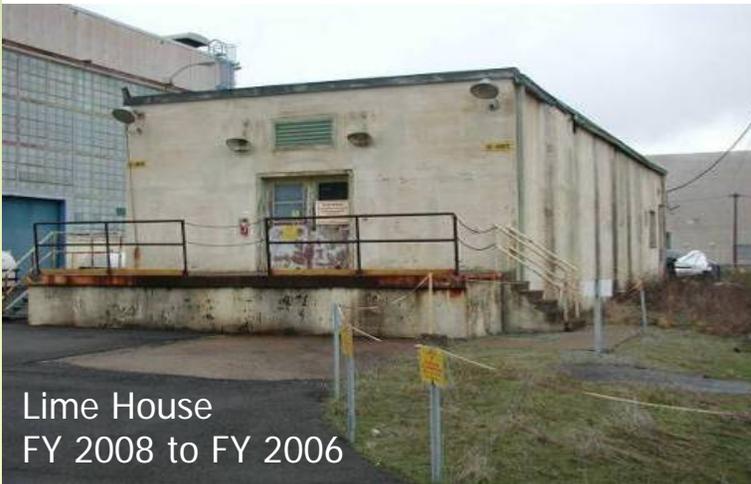




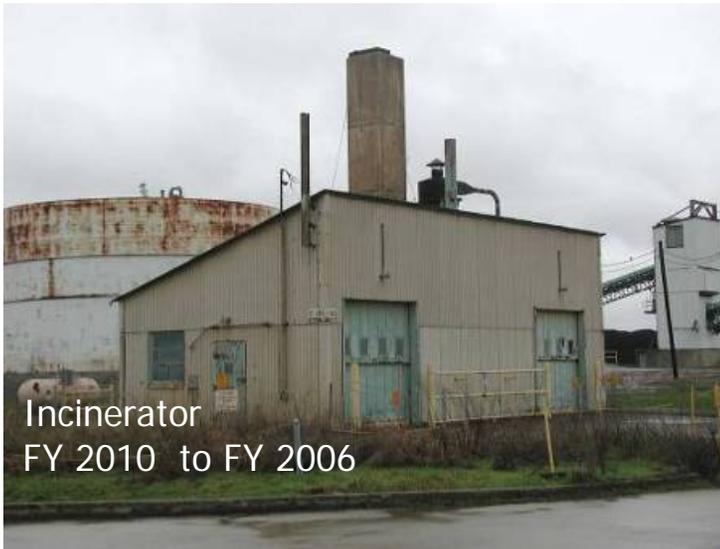
Inactive Facilities D&D

Limehouse, Contaminated Item Incinerator, and West End Smelter

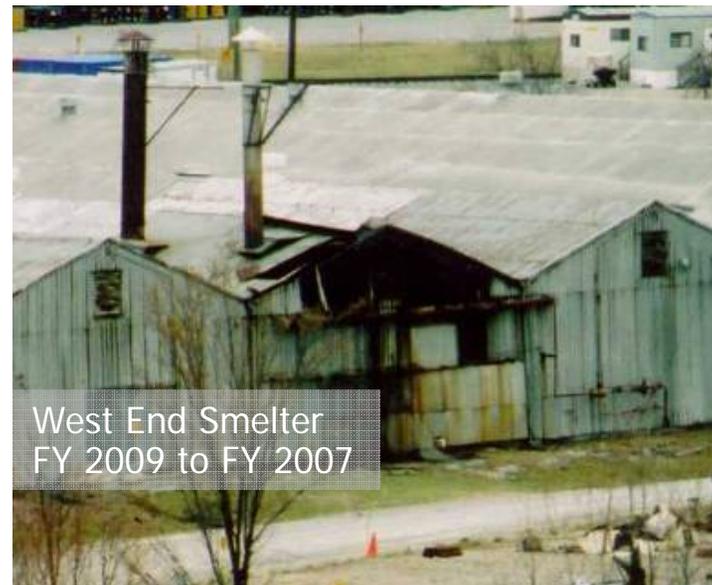
- EE/CA comment period ended on October 31 with comments only from Kentucky and EPA
- Now developing Remedial Action Work Plan for Lime House
- Fieldwork on Lime House to begin January 2006



Lime House
FY 2008 to FY 2006



Incinerator
FY 2010 to FY 2006



West End Smelter
FY 2009 to FY 2007



C-410 D&D

- Continued removal of fluorine cell stands and platforms from Sector 2.
- Completed blasting three fluorine cells, working on fourth
- Fixative application in Zone 64 complete
- Packaged 3 intermodals of debris (steel cell stands, concrete from cell platforms, loose debris from building) for offsite disposal
- Shipped ~3000 cubic feet of compactible debris for disposal
- Piping and equipment removal in Zone 64 is 50% complete

Northeast corner of C-411 before work



Corner with fixative applied



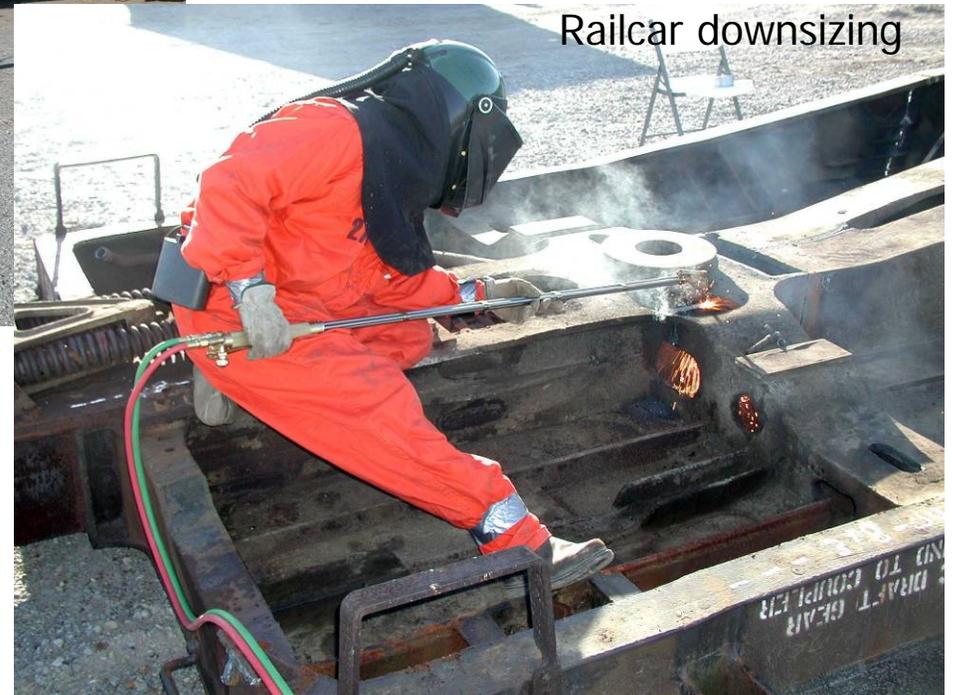
Corner after piping removal





DMSAs

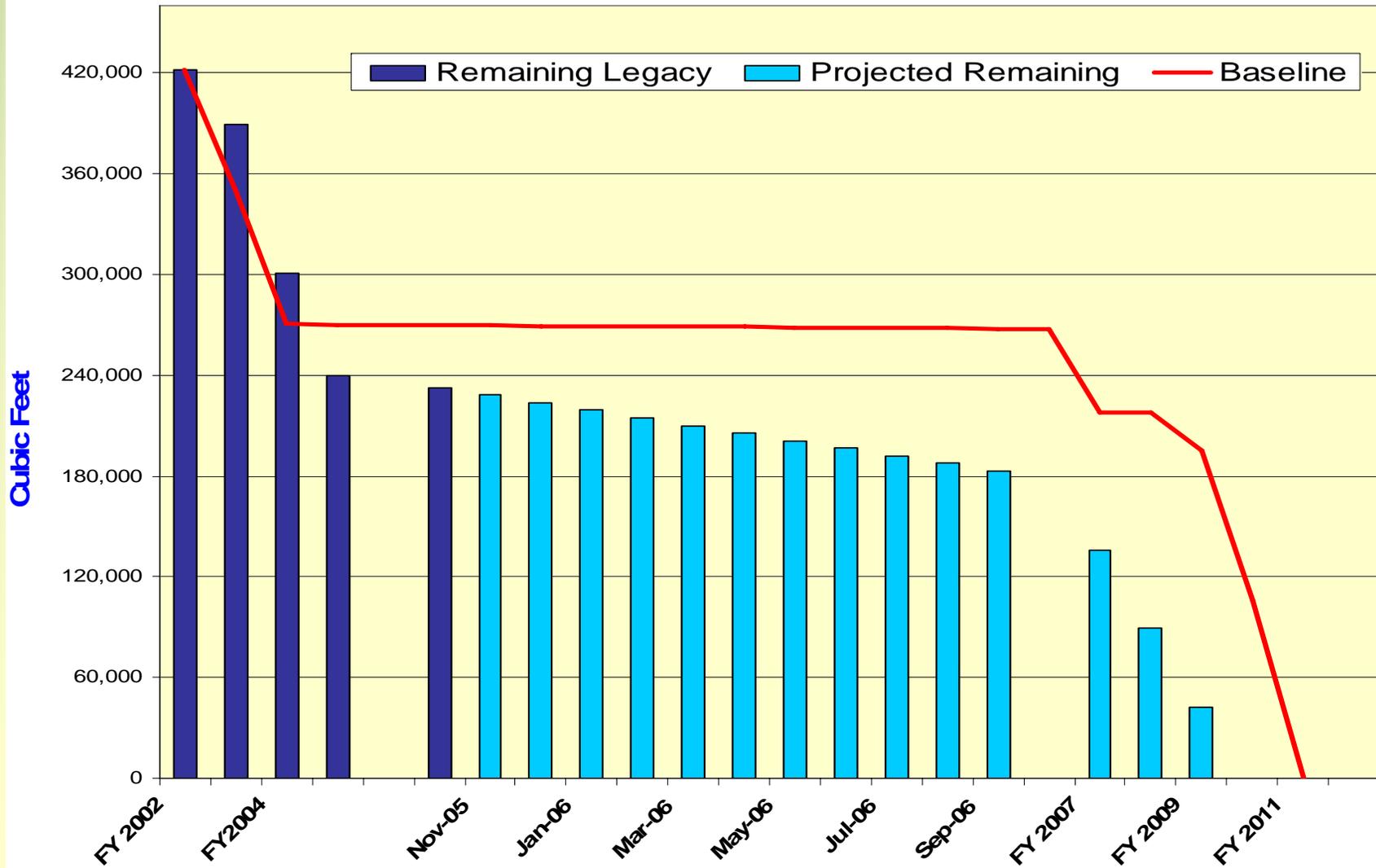
- Initiated downsizing of rail cars from DMSA OS-4 and OS-14 in former DMSA OS-6
- Pursuing RCRA closure of 20 DMSAs





Legacy Waste Disposition

- Shipped 6,850 cubic feet of sewer sludge to Envirocare





Legacy Waste Disposition

Expedited Outdoor Legacy Waste Disposal

- Outdoor Legacy LLW shipments to Envirocare scheduled for November, including more than 1,700 cubic feet of floor sweep on November 15
- Repackaging continuing



Low-level waste stored on the "V" pad

Outdoor Legacy Waste
FY 2009 to FY 2006



Low-level waste stored on the "H-3" pad



Surface Water Operable Unit



Storm water
sampling

- Completed final week of Step 2 storm sewer sampling on November 4
- Step 3 sampling decisions will be made after laboratory results from Step 2 samples are received in late-November.



Other Items of Interest

Groundwater Operable Unit

C-400 Source Removal

- Bechtel Jacobs continues to evaluate subcontractor proposals to design, build, and operate the Electrical Resistance Heating project

S & T Landfill

- Issued D1 Site Investigation Report on September 30; Kentucky comments received November 1; EPA comments to be issued by December 1, 2005

C-746-U Landfill

- Leachate treatment system received November 3
- Construction subcontractor issued suspension of work pending issuance of KDWM permit

Burial Grounds Operable Unit

- EPA and Kentucky comments received on D1 Remedial Investigation /Feasibility Study Work Plan; meeting held November 9 to review sampling plan
- D2 RI/FS in development



Site Management Plan

- D1 submitted to regulators November 14

