
Progress at the Paducah Project



DOE Portsmouth/Paducah Project Office

Update to the Paducah Citizens Advisory Board

June 15, 2006



DUF6 Conversion Project



- Construction of Bayou Creek rail bridge continuing
- Internal construction of Warehouse and Administration Buildings continuing
- Concrete placement completed on cylinder laydown pad, rail loading crane pad, and transformer pad



DUF6 Conversion Project



Construction inside the Warehouse and Administration buildings continues

Placement of steel for the Bayou Creek railroad bridge nears completion



Northwest Corner Scrap Metal Removal



- Continuing to load scrap metal into gondola cars

Lids are placed on gondola cars before the train leaves the site



Northwest Corner Scrap Metal Removal



- 50-car train carrying 3,270 tons left Paducah May 30; train over a half-mile long
- Each car carried approximately 65 tons
- Next 50-car train scheduled for late June



Northwest Corner Scrap Metal Removal

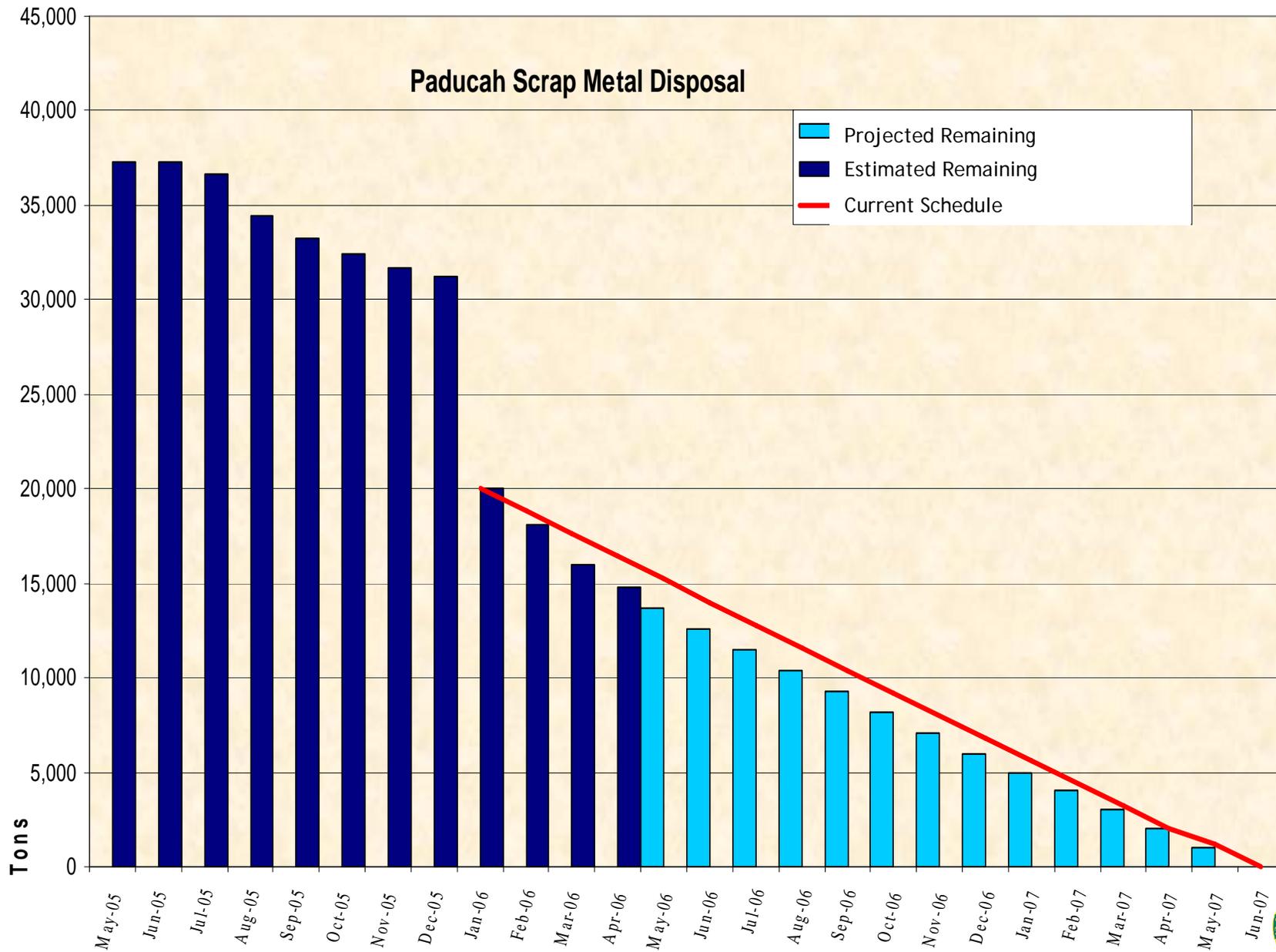
- More than 5,000 tons have been removed from E-Yard since removal work began in late December
- Well under 1,000 tons remain



E-Yard at it appeared in November 2005 (left) and on June 12 (above)



Scrap Metal Project



Legacy Waste Disposition



- In May, shipped 289 ft³ of mixed LLW to TSCA Incinerator

Liquid waste is transferred from drums to a tanker for shipment



Legacy Waste Disposition

- Began removal of remaining 33,000 ft³ of containerized Low-Level Waste stored outdoors
 - Disposed of 1,080 ft³ in C-746-U Landfill

LLW is stored in drums at the H-3 Pad and the V-Pad (shown)



C-746-U Contained Landfill

- Leachate Treatment System construction to be complete July 7
 - Equipment testing/assessment and personnel training to follow
 - First scheduled treatment of leachate to begin August 28



The leachate treatment system (left) and the treatment building (above)

DOE Material Storage Areas

- On track to meet 9/30/06 milestone for characterization of all "B" DMSAs
- Characterization ~ 80% complete
- Disposition ~ 50% complete
- 10 of original 160 DMSAs closed; another 21 emptied
- May totals:
 - Characterized 4,399 ft³
 - Packaged 8,214 ft³
 - Disposed of 2,312 ft³



Metal from a DMSA is resized (above); materials removed from DMSAs are boxed and shipped for disposal at EnergySolutions



Inactive Facilities D&D

- 402 Limehouse demolition to begin in early July
 - Demolition projected to take about two weeks
 - Removal of material and debris from inside building completed
- Completed sampling activities in C-405 Incinerator
- Completing internal comment resolution on Remedial Action Work Plan for Incinerator/West End Smelter for June submission to regulators



The Limehouse at it looked before work began (left) and as it looked earlier this week (below)



C-410/420 D&D

- Re-entry process completed; work has resumed inside the building
- Packed 6,000 ft³ of waste materials and debris into 10 intermodals for disposition
- Application of fixative to stacks and metal surfaces on outside of building completed
- Began Wednesday (June 14) to remove the busswork shown below



Zone 25 shown before removal work began (left) and during work in early June (above)



Environmental Projects

Groundwater Operable Unit

- Revising the C-400 D2 Remedial Design Work Plan
- C-400 Remedial Design Support Investigation to begin June 19
- Issued D2 Site Investigation Report for the Southwest Plume

Surface Water Operable Unit

- Preparing Site Investigation/Risk Assessment; due to regulators 8/16/06

Burial Grounds Operable Unit

- DOE working with regulators to finalize the RI/FS Work Plan





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