
Progress at the Paducah Project



DOE Portsmouth/Paducah Project Office

Update to the Paducah Citizens Advisory Board

July 20, 2006



DUF6 Conversion Project



- Construction of Bayou Creek rail bridge continuing (scheduled completion 9/06)
- Warehouse Building scheduled for July 30 completion; Administration Building construction continuing
- Hydrogen fluoride storage facility concrete pour completed (shown at left)



DUF6 Conversion Project



Road work approaching the Bayou Creek bridge

Workers paint the rail bridge over Bayou Creek



Northwest Corner Scrap Metal Removal



- 51-car train left June 23 carrying more than 3,200 tons



Northwest Corner Scrap Metal Removal



The scrapyards before work began

- Next rail shipment of ~3,000 tons scheduled for July 28
- 6 of 8 yards emptied, less than 1,000 tons will remain



Northwest Corner Scrap Metal Removal



- C-Yard - 100% scrap metal removed



Northwest Corner Scrap Metal Removal



- P-Yard - 100% scrap metal removed



Northwest Corner Scrap Metal Removal



E1

- E1-Yard - 75% scrap metal removed



Northwest Corner Scrap Metal Removal



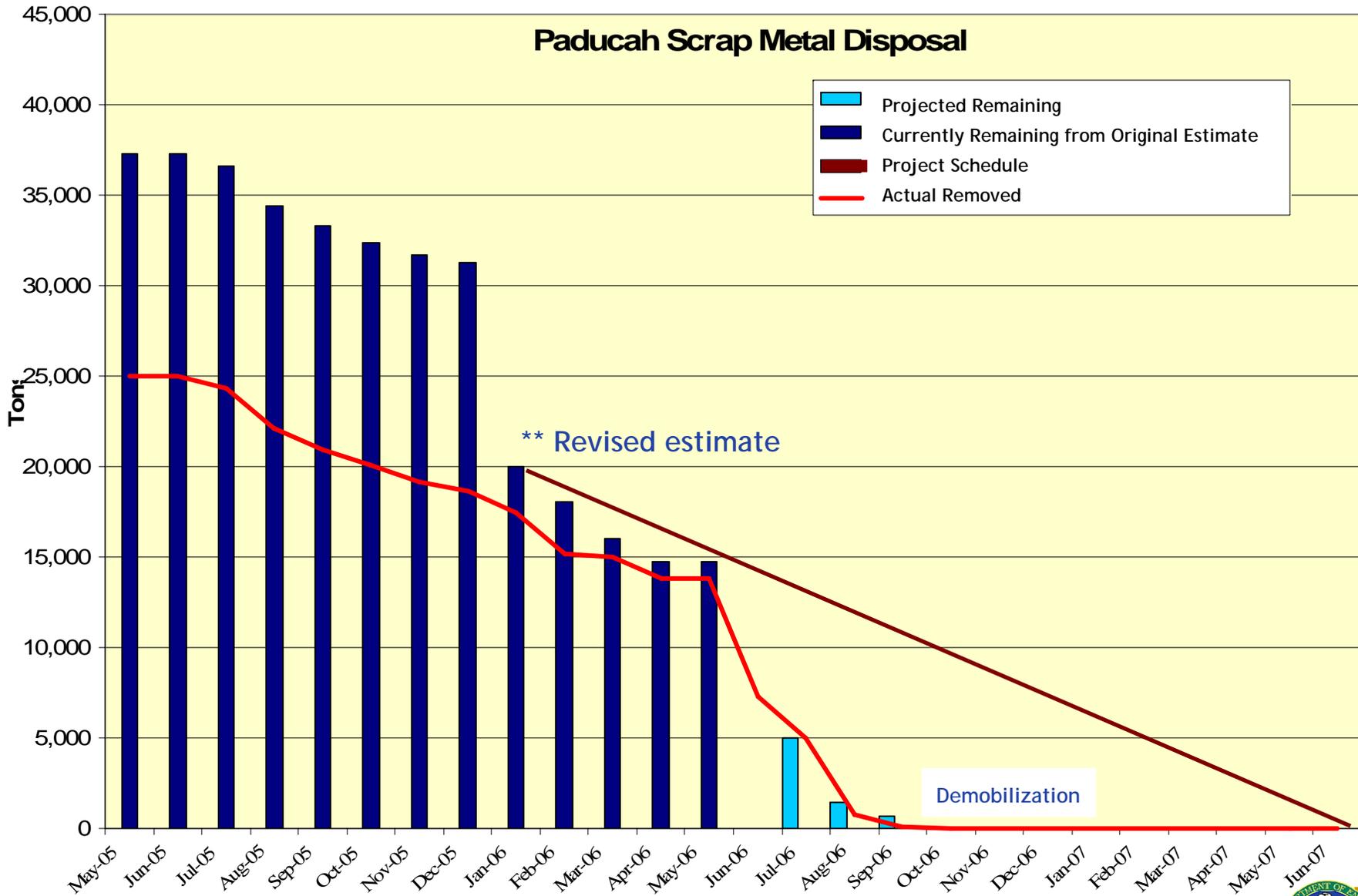
- C1 Yard - 28% scrap metal removed

Northwest Corner Scrap Metal Removal



- E-Yard - 98% scrap metal removed

Scrap Metal Project



Legacy Waste Disposition



Drums are moved from V-Pad to the H-3 Pad for repackaging and disposition

- Continued disposition of ~33,000 ft³ of Low-Level Waste stored outdoors
 - Disposed of 1068 ft³ in June
 - ~4,000 ft³ total dispositioned since project started in mid-May
 - Treated 1,200 gallons water in June
- Shipped 644 cubic feet MLLW to EnergySolutions



DOE Material Storage Areas

- Characterization of all 160 DMSAs ~ 80% complete
- Disposition of estimated volume of materials in DMSAs more than 50% complete
- Continuing to characterize "B" DMSAs to meet 9/30/06 milestone; 8 of 11 complete
- June totals:
 - Characterized 3,322 ft³
 - Packaged 8,321 ft³
 - Disposed of 8,005 ft³



A welder cuts a large piece of metal so it can be disposed

Inactive Facilities D&D

- 402 Limehouse demolition began July 17
 - Demolition will take about two weeks to complete
 - Demolition debris will fill about 10 containers
 - Disposal in the C-746-U Landfill
- Remedial Action Work Plan for C-405 and C-746-A under regulatory review



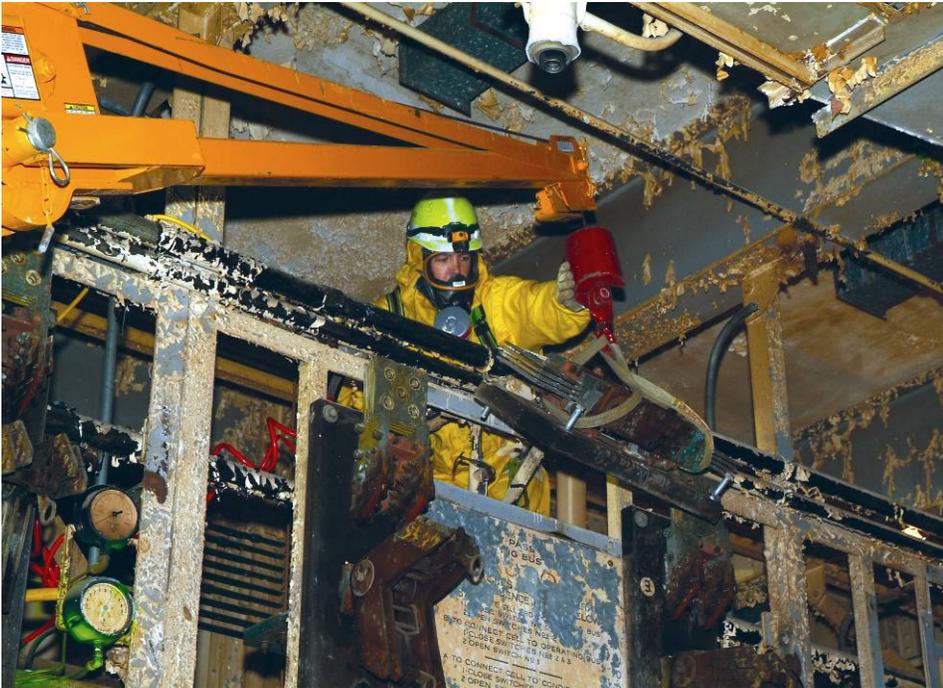
The Limehouse
as it looked
prior to
demolition

C-402 Limehouse Demolition



C-410/420 D&D

- ~25,000 pounds of copper busswork removed and loaded for shipment to ToxCo for reuse
- Also loaded 21 containers with miscellaneous debris



Above, a worker removes copper buss bars from inside C-410; at right, the bars are collected prior to disposition



C-400 Remedial Action



- C-400 Remedial Design Support Investigation continuing
 - Sample borings scheduled for completion in September

A drill rig makes a sample boring outside C-400 Wednesday afternoon (July 19)



Environmental Projects

Groundwater Operable Unit

- Preparing D1 Proposed Remedial Action Plan for Southwest Plume; working to resolve TCE in groundwater degradation factor

Surface Water Operable Unit

- Site Investigation/Risk Assessment currently due to EPA and Kentucky on 8/16/06
 - Anticipate requesting extension due to data validation issue

Burial Grounds Operable Unit

- Next draft of Remedial Investigation/Feasibility Study Work Plan due to Kentucky and EPA on August 29
- Fieldwork scheduled to begin in October 2006



Site Management Plan

- D2 FY-06 SMP submitted to EPA and Kentucky 7/17/06
- Major comments addressed in D2 SMP
 - Moving Dissolved Phase GW Plume to be addressed under GWOU rather than Soils OU
 - Timing for addressing Dissolved Phase GW Plume
 - Enforceable milestones



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