

Progress at Paducah

Paducah Citizens Advisory Board

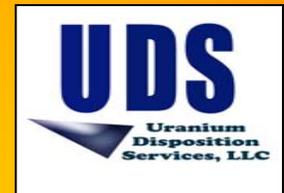


Reinhard Knerr
Paducah Site Office Lead
October 19, 2006



October Highlights

- Materials Disposition
- Northwest Corner Scrap Metal Project
- C-410/420 D&D
- Inactive Facilities
- DUF6
- C-613 Sediment Basin



Northwest Corner Scrap Metal Removal

- Final pieces of scrap metal being removed
- 53-car train left site October 12
- Demobilization activities continuing:
 - Decontamination of equipment used to remove scrap metal
 - Clean-up of construction facilities
 - Grading and seeding of scrap yards



Some of the last remaining scrap metal on the ground is lifted into a truck for transport to the rail siding



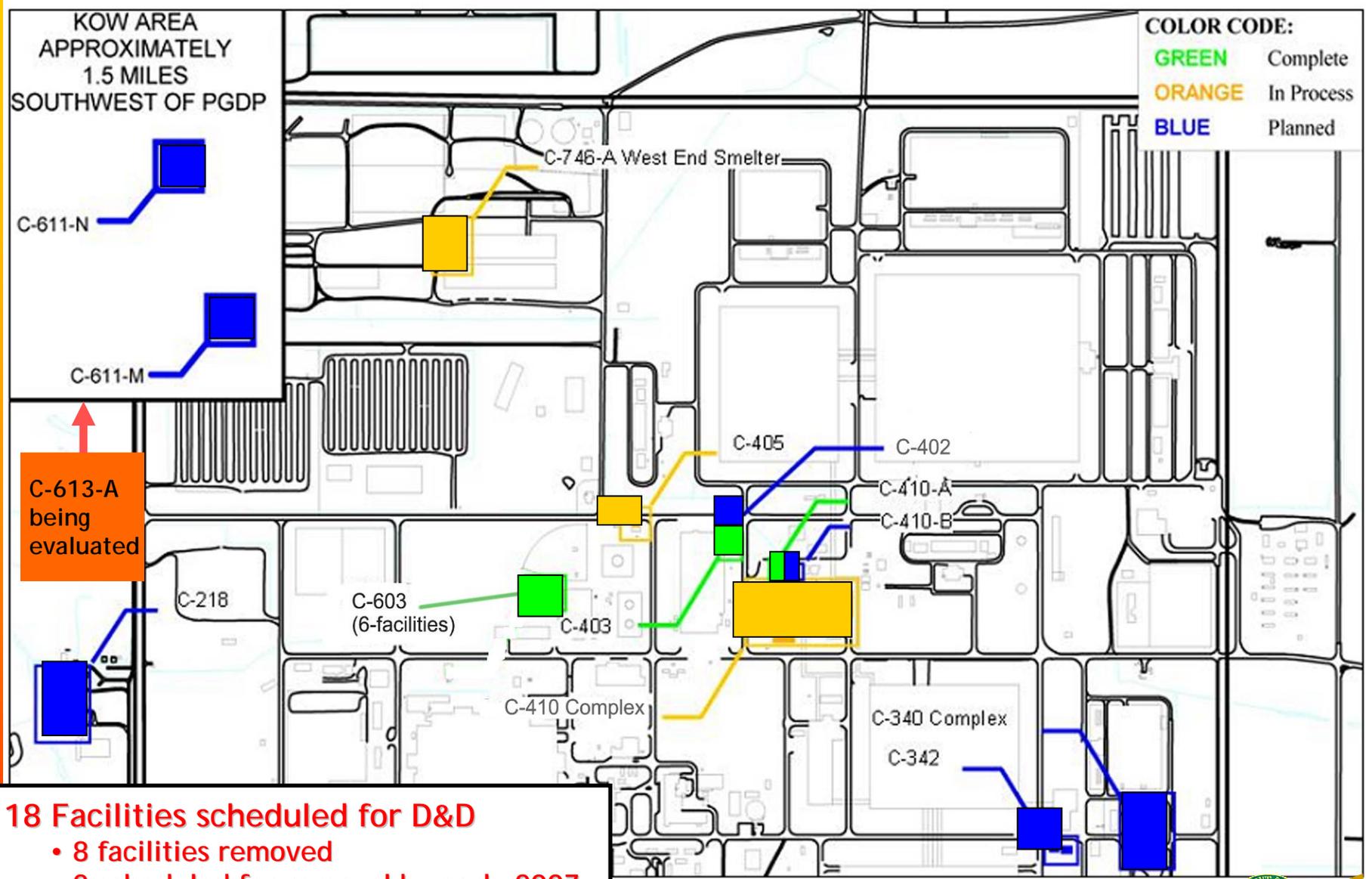
Northwest Corner Scrap Metal Removal



October 2006



Decontamination and Decommissioning

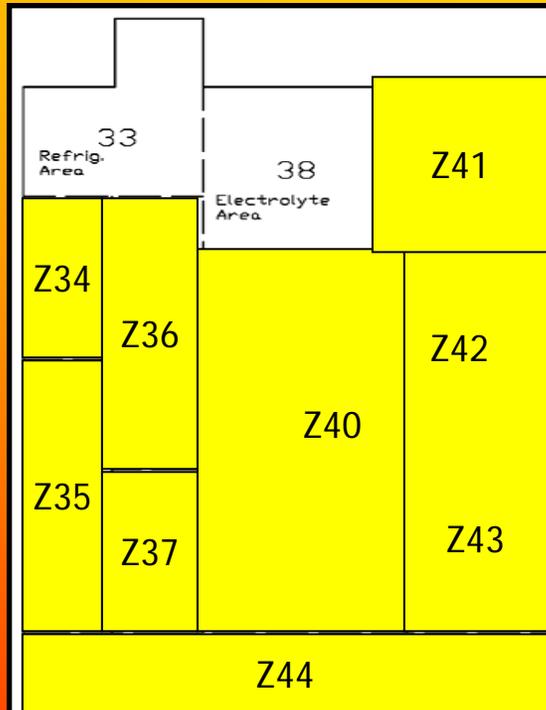
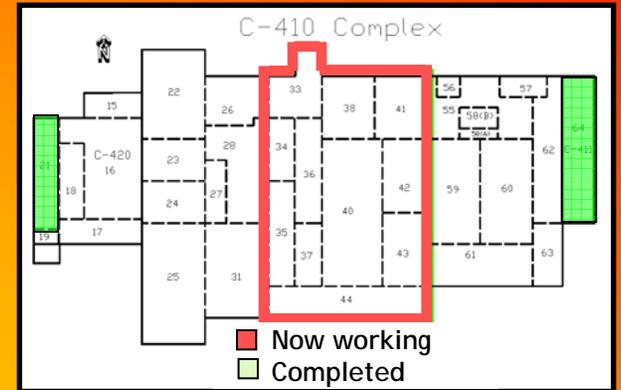


- 18 Facilities scheduled for D&D
 - 8 facilities removed
 - 2 scheduled for removal by early 2007
 - 1 facility being evaluated for D&D

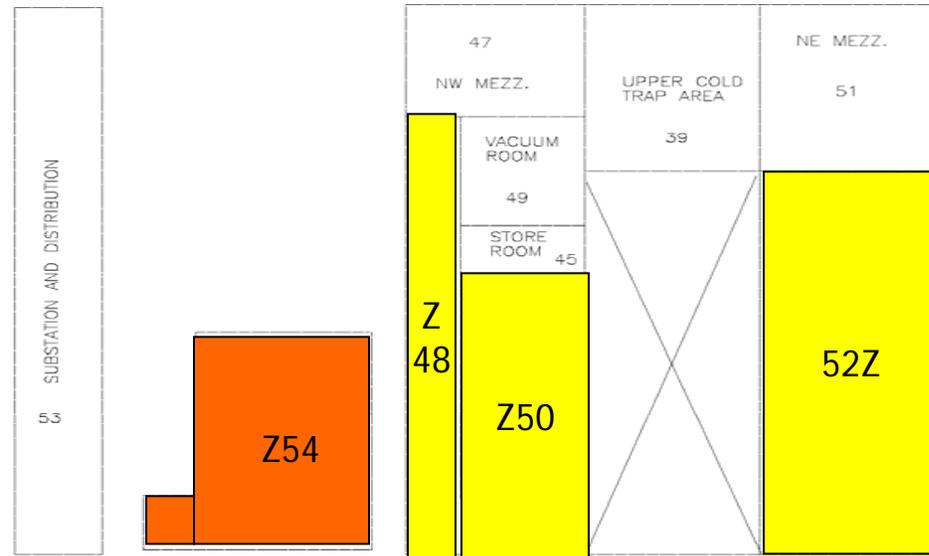


C-410/420 D&D

- Piping/equipment removal underway
- Asbestos Abatement underway
- Areas where work has not started

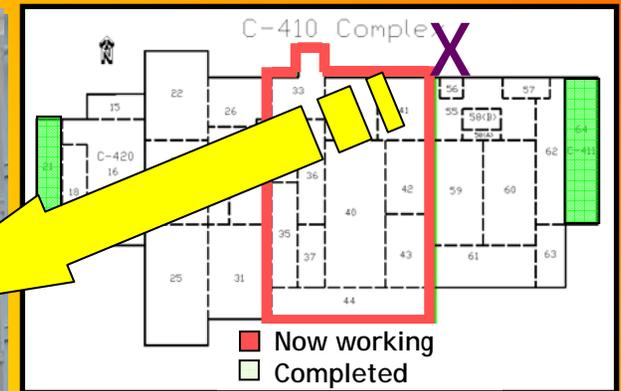


Location of Sectors 2 and 3 within the C-410 Complex



C-410/420 D&D

- Continued packaging of debris and waste materials
 - In September, more than one semi-trailer equivalent loaded and shipped
 - ~14 semi equivalents packaged since January (more than half disposed of)
- Continued to remove asbestos, utility piping and equipment



Duct work on the back side of C-410 was damaged in a September storm; it has been removed



Inactive Facilities

- Scheduled for demolition in the next few months:
 - C-405 Incinerator
 - C-746-A West End Smelter



C-405 Incinerator

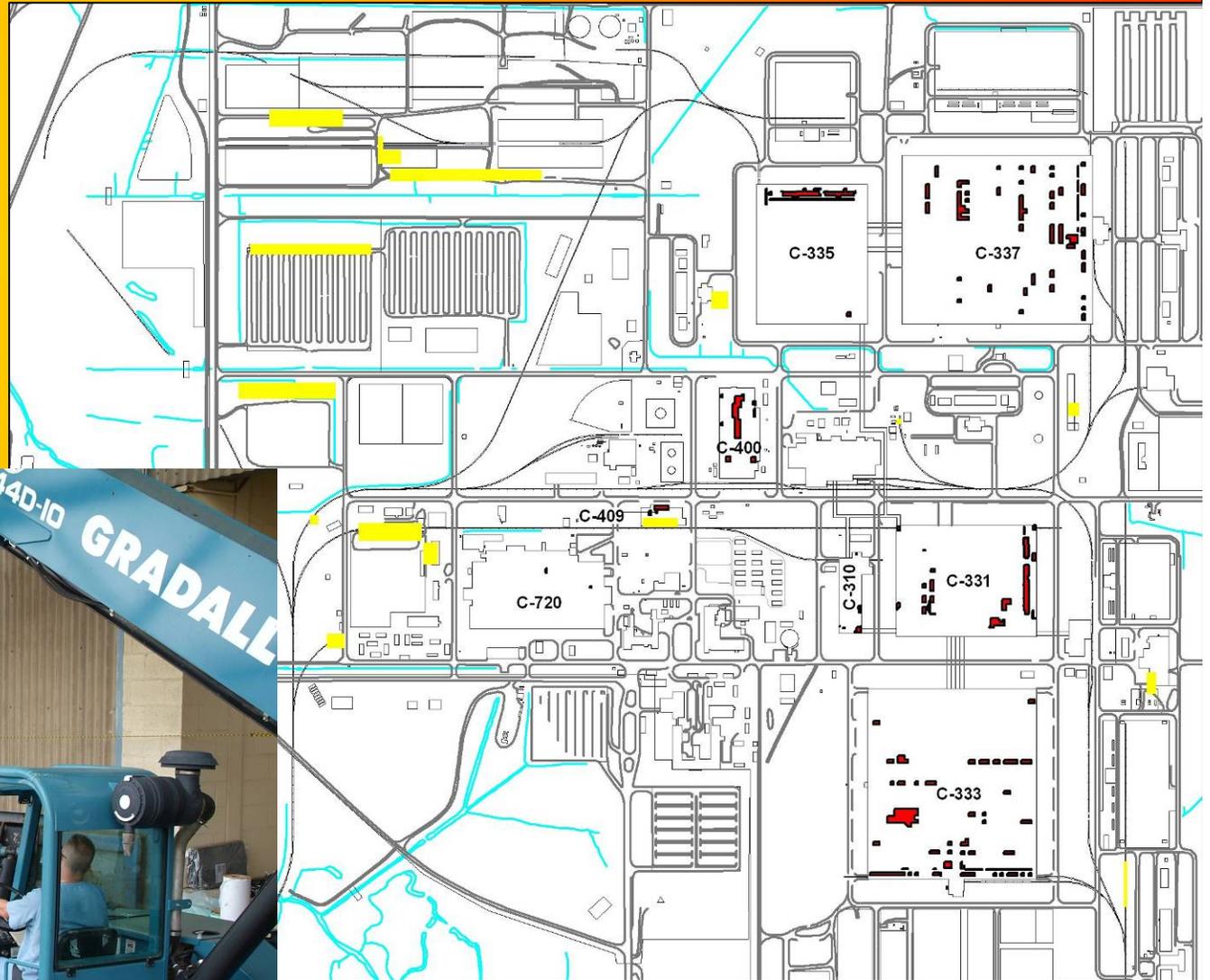


C-746-A West
End Smelter



DOE Material Storage Areas

-  Outside DMSAs
-  Inside DMSAs



Loading a waste container for shipment



DOE Material Storage Areas

DMSA Characterization

 **33 Priority A**
100% Complete



 **11 Priority B**
100% Complete



116 Priority C
25% Complete

Risk-Based Priorities

Highest potential risk --
Eliminate known potential exposure risk to on-site workers and the environment, included all 17 outside DMSAs

Medium potential risk --
These DMSAs hold uncharacterized containers that may contain RCRA or TSCA waste

Lowest potential risk --
Remaining areas, low potential risk, such as miscellaneous process equipment, LLW, UF₄, etc.

Implementation Process

Identify DMSA Contents



Characterize Contents
• Analytical sampling or
• Process Knowledge



Determine Disposition Destination



Package Material/Waste to Meet WAC



Ship to disposal site

Disposition

Priority A
85% Complete

Priority B
53% Complete

Priority C
15% Complete

Characterization ~79% completed

Disposition ~54% completed



Legacy Waste Disposition



V-Pad shown in early October



Environmental Projects

Burial Grounds Operable Unit

- Conditional regulatory approval has been granted on the D2 Remedial Investigation/Feasibility Study Work Plan; fieldwork scheduled to begin next month

Groundwater Operable Unit

- C-400 Remedial Design continuing; preparing Remedial Action Work Plan for submittal to Kentucky and EPA

Surface Water Operable Unit

- Site Investigation/Risk Assessment Report will be submitted in November
- Removal Notification will be submitted in January 2007



DUF6 Conversion Project



At left, a worker guides a concrete panel holding the American flag into place on the conversion building; above, a sealer is applied to the joint between panels



Sedimentation Basin



Sedimentation Basin



Sedimentation Basin



Sedimentation Basin





DOE Portsmouth/Paducah Project Office