

Progress at Paducah

Paducah Citizens Advisory Board

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June 21, 2007

EM *Environmental Management*

safety ❖ *performance* ❖ *cleanup* ❖ *closure*



Inactive Facilities

C-405 Incinerator



- Incinerator asbestos abatement completed
- East incinerator removal complete
- Transite siding removal began this week
- Structural removal to begin next week

An extensive airlock system was built at the Incinerator to facilitate asbestos removal.



Inactive Facilities - C-405 Incinerator



Inside the Incinerator before and after equipment removal. NOTE: The dark spot on the floor in the photo at right is where the incinerator shown at left sat.



Inactive Facilities - West End Smelter



- Will start early next month removing enough equipment and loose material inside the building to fill about four semi-trailers



This is some of the equipment and loose material to be removed from the smelter.



DUF6 Conversion Project



The site as it appeared in early June; at left, inside the conversion building.

- All elevated floor slabs and shear walls completed
- Autoclaves, Electrical Room equipment, and Condenser Room equipment moved into the conversion building



DOE Material Storage Areas



A cooler is removed from DMSA 335-05 -the largest DMSA remaining to be emptied - and then loaded into a roll-off bin for disposal.



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DOE Material Storage Areas

Characterization



33 Priority A
100% Complete



11 Priority B
100% Complete

116 Priority C
42% Complete

(Regulatory milestone for completion: 9/30/09)

Disposition

Priority A
90% Complete

Priority B
73% Complete

Priority C
30% Complete

- Ahead of schedule to meet regulatory milestone for characterization

Total characterization ~85% completed

Total disposition ~65% completed



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Soil Pile "I" Sampling



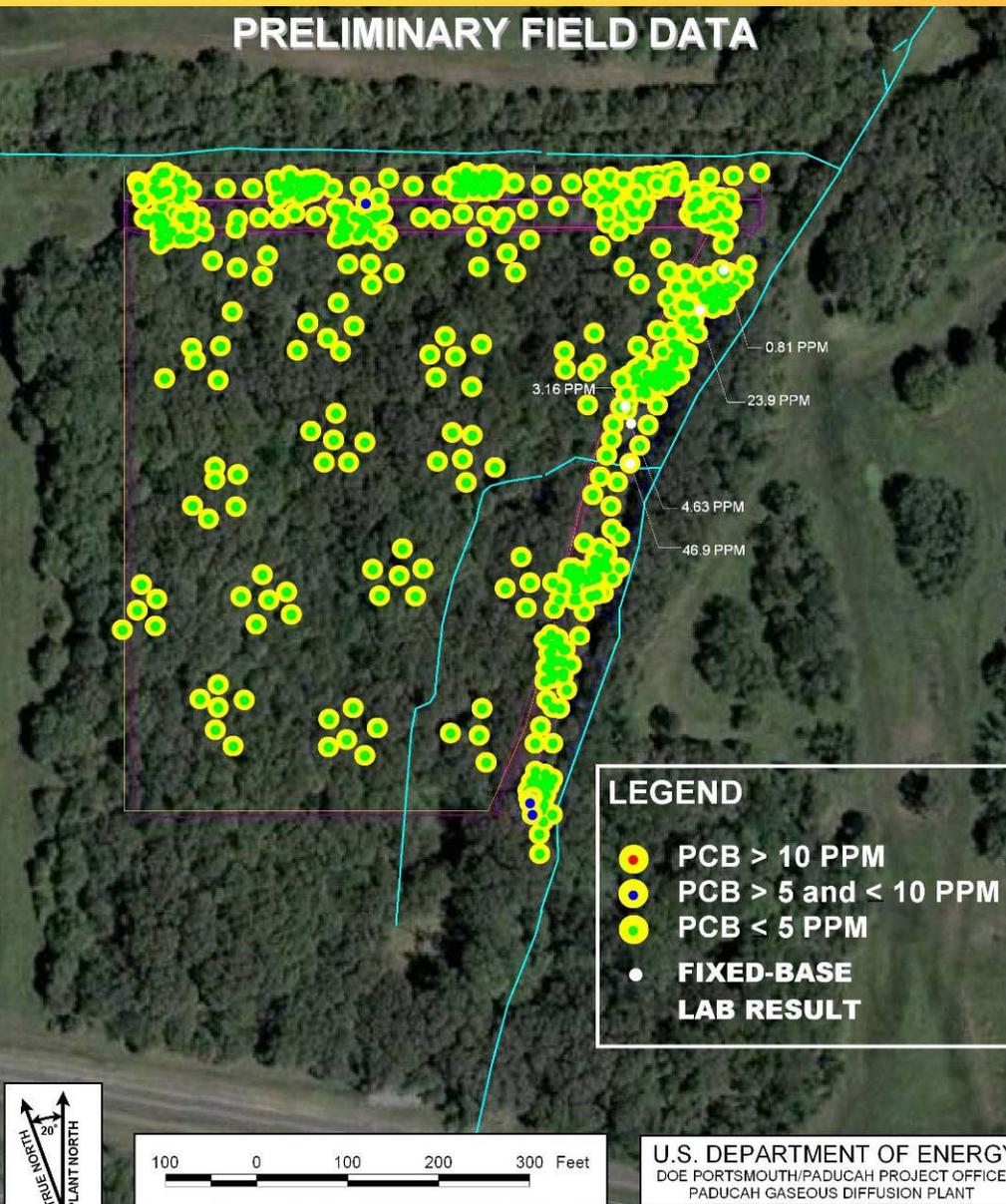
A worker collects a sub-surface sample using a hand-powered auger.



- DOE awaiting final regulatory approval of first SAP
- Sampling ~80% complete; last samples scheduled for late early July
- Second SAP addendum will be submitted 15 days after first SAP approved



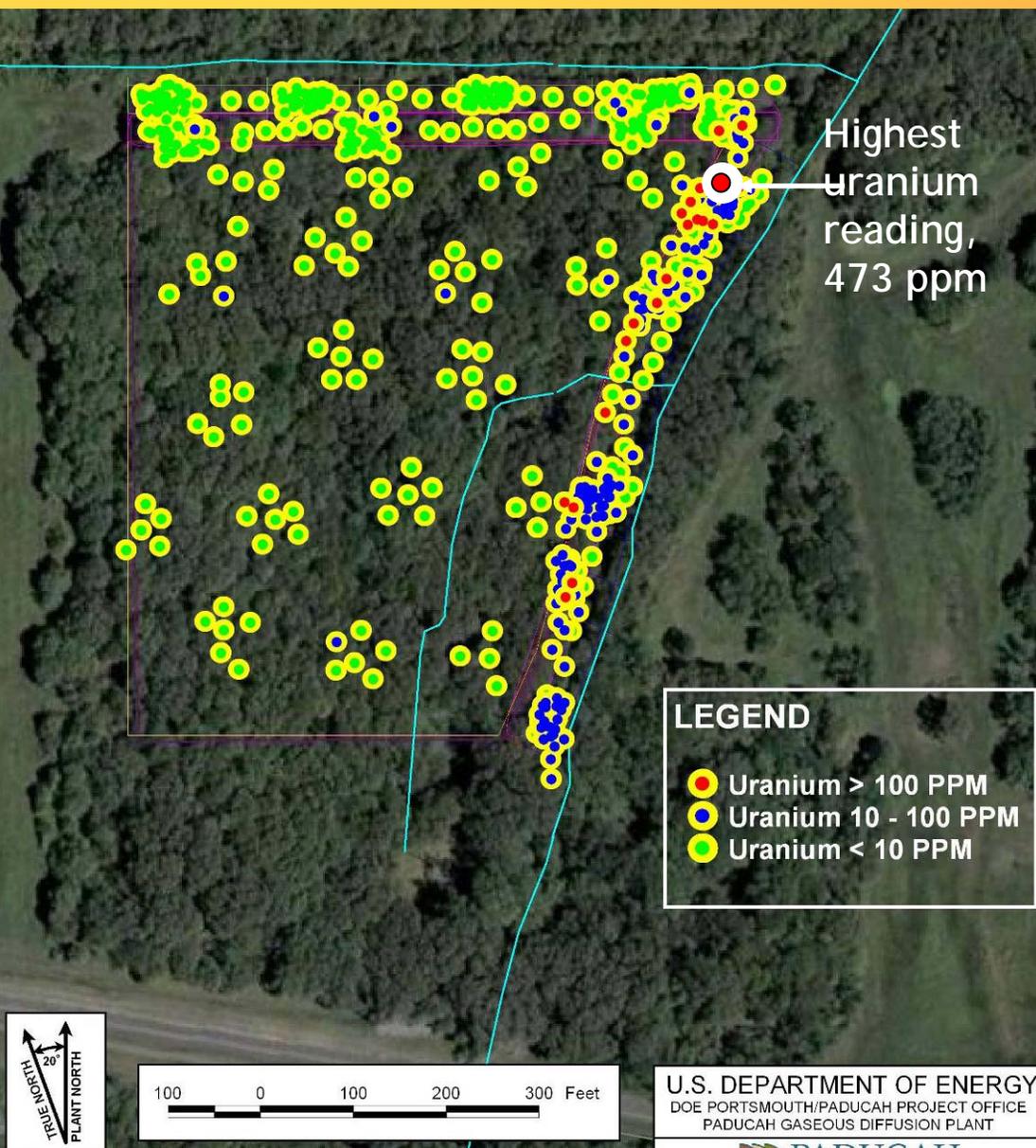
Soil Pile "I" Sampling - Early PCB Data



- Completed surface sampling
- Field surface sample data indicates PCBs below 10 ppm
- Validated lab results expected beginning next month
- Sub-surface sampling ongoing

NOTE: The fixed-base lab results shown are from samples collected last year when the piles were discovered.

Soil Pile "I" Sampling - Early Uranium Data



Uranium Field Measurements for Addendum 1-A

- Completed surface sampling
- Field surface sample data indicates uranium up to 473 ppm
- Validated lab results expected beginning next month
- Sub-surface sampling ongoing
- Field sample data indicates other analytes (e.g. metals) are present, but only in slightly elevated levels



Other Projects



- Nine responses received to Expression of Interest on potential reuse of nickel ingots
- Evaluation of EOI responses ongoing



- C-746-U Landfill Leachate Treatment System now online
- Releasing treated leachate through Outfall 19
- Kentucky has issued a renewed 10-year operating permit for the S, T, and U landfills



- DOE awaiting EPA and Kentucky comments on 90% design of C-400 electrical resistance heating treatment system
 - DOE HQ/EPA working to resolve policy related issues for the LUCIP
 - EPA/Kentucky waiting for remedy review team report on 90% design





DOE Portsmouth/Paducah Project Office