



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

115 Memorial Drive • Paducah, Kentucky 42001 • (270) 554-3004 • info@pgdpcab.org • www.pgdpcab.energy.gov

Paducah Gaseous Diffusion Plant Citizens Advisory Board Re-Scoping Subcommittee Session Summary July 16, 2015

The Citizens Advisory Board (CAB) met at the Environmental Information Center (EIC) in Paducah, Kentucky on Thursday, July 16th at 7:17 p.m.

Board members present: Judy Clayton, Ben Peterson, Ken Wheeler, Mike Kemp, Renie Barger, Bill Murphy, Carol Young, Cindy Butterbaugh, and Tom Grassham.

DOE and subcontractors present: Jennifer Woodard, Buz Smith, DOE; Con Murphy, Fluor Paducah; Jim Ethridge, EHI Consultants (EHI); Yvette Cantrell, Restoration Services Inc. (RSI).

Board Regulators present: Gaye Brewer, Kentucky Division of Waste Management (KDWM); Tim Kreher, Fish and Wildlife Resources.

Public present: Tony Graham

Cantrell opened the meeting and reviewed the last meeting on Re-Scoping and the baseline. She then turned the meeting over to **Woodard** for a presentation on the baseline. **Woodard** started by going over a review of the scope of work at the site.

Kreher: Do the people in the water policy box get their water paid for with utilities or does that come from somewhere else?	Woodard: It comes out of base operations. It is actually part of environmental monitoring and infrastructure both.
---	---

Woodard then said that before the plant was returned to DOE, Base Operations was about \$45M. Now, with the plant returned to DOE, that number was about \$100M. She also indicated that the recommendation that she expected from the CAB would include the community's priorities of work at the site.

Kemp: Why do we need this recommendation and what needs to be in it? Does it need to be more specific? What creates the need for this recommendation?	Cantrell: You might mention the things that you have talked about before that would be over-arching all the work at the site, and say they are important to the community. Recommend that in discussing work with the regulators, please keep these things in mind.
Kemp: So the detail is about the same, we just need a fresh recommendation at this point.	Woodard: I would say the detail is slightly different. Being a money person, one of my suggestions would be can you dig up dirt at the same time you create debris so we don't have to buy clean dirt to go in the waste cell.
Kemp: Would it be good for the state to	Woodard: I appreciate your question, but I need

eliminate some of the SWMUs that are out on property outside the plant boundary?	to know if you as a CAB want us to focus on outside the fence areas as opposed to inside areas? I would not expect you to be doing twelve different recommendations for twelve different areas. We all have different priorities for different reasons.
Peterson: Your slide is titled “Current Risk Prioritization Criteria”. That makes me think that you are thinking it could be re-prioritized as part of the process.	Woodard: It has to be because now that we have the plant back we have more to consider and what priorities are involved.

Woodard went on to clarify that she just needed to see more general priorities in a recommendation from the CAB and not very specific requests. **Clayton** made the point that soil remediation did not employ very many people. She said that another consideration that needed to be looked at was keeping a stable labor force by having a mix of D&D with remediation. **Kemp** thought that the CAB was just re-visiting things that they had been talking about for several years. He said that the Board probably needed to sit down with the lists of priorities from previous years and develop a recommendation that included previous concerns and to add new priorities that have come to light by the shutdown of the plant. **Peterson** expressed concern about being able or being ready to develop priorities for the community as a whole. He thought that the CAB could develop a list, but questioned whether it would be a good representation of what the community wanted also. **Woodard** suggested maybe listing the top three priorities instead of a complete list. She also said that sometimes it is better to list what you don't want instead of what you do. **Peterson** indicated that the problem was not that the CAB couldn't make decisions about priorities, but that the decisions would affect what happens 20 years from now.

Butterbaugh asked when DOE needed their input. **Woodard** indicated that it would be needed in the next couple of months. She also said that she couldn't tell the CAB what to put in a recommendation. **Clayton** suggested that the Board write a basic recommendation and then get **Woodard's** comments on what they came up with. **Woodard** then suggested looking at past recommendations and pulling together parts from them to form a new recommendation. **Peterson** agreed that that would be a good way to come up with the current recommendation.

The subcommittee established the next meeting would be on July 30 to continue work on developing a recommendation.

The meeting adjourned at 8:06 pm.



U.S. DEPARTMENT OF
ENERGY

Paducah Gaseous Diffusion Plant

Scoping Education Session (Part 2)

Jennifer Woodard

Paducah Site Lead

July 16, 2015

Current PGDP Environmental Cleanup Scope

Burial grounds

- 10 burial grounds, ~100 acres
- Some contain radioactive, pyrophoric and RCRA waste

Major TCE source

- Primary source of off-site contamination
- Heavy concentrations present; >500,000 ppb of TCE in groundwater

Depleted uranium

- About 46,000 cylinders

Contaminated soils

- PCBs and uranium
- 66 areas totaling ~ 115 acres

Tc-99 plume

- Radionuclide releases have migrated off-site, but not above Drinking Water Standards.

Long-term facilities removal

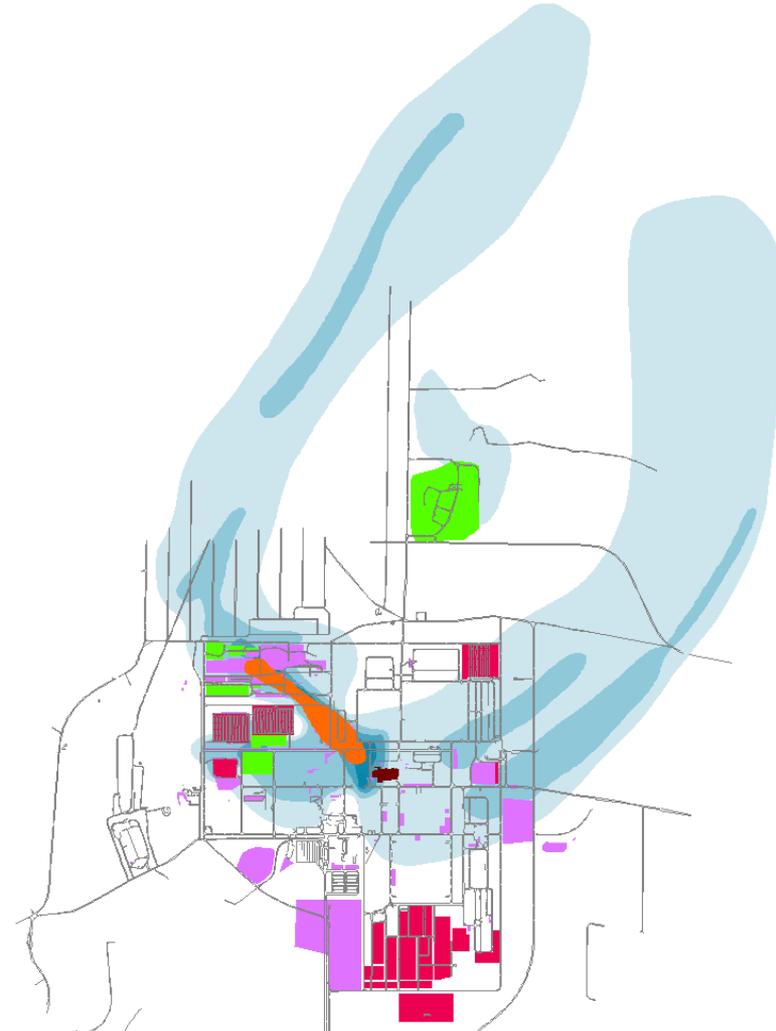
- >500 structures with a footprint of nearly 200 acres to be razed

Soils and Slab

- Remediation of slab and underlying soils associated with building to be investigated.

Surface Water

- Remediation of ~6 miles of contaminated creeks, ditches, etc.



Ongoing Site Activities

Base Operations

- Security
- IT
- Environmental Monitoring
- Infrastructure (roads & grounds)
- Utilities

DUF6 Operations

Deactivations Activities

- Deposit Removal
- Maintenance Activities

Continuing Remediation Projects

- Deep Soil Mixing
- Waste Disposal Alternatives



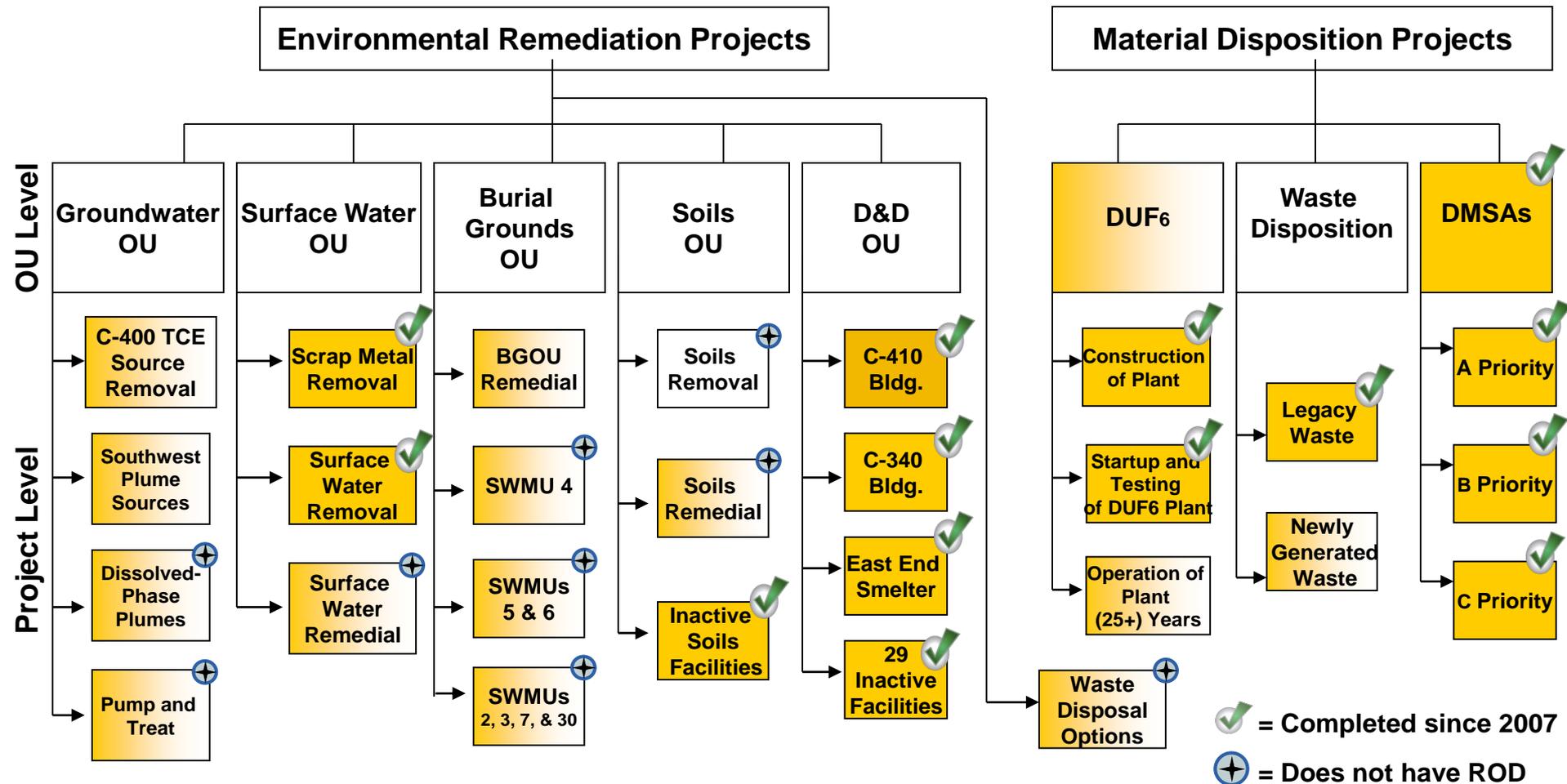
Current Risk Prioritization Criteria

- ✓ Mitigate immediate threats, both on- and off-site
- ✓ Reduce further migration of off-site contamination
- ✓ Address sources contributing to off-site contamination
 - Address remaining sources contributing to on-site contamination
 - Perform D&D of the GDP and DUF₆ Plant once they cease operations
 - ~~Address post-GDP OUs~~
 - Evaluate the final Comprehensive Site OU

Other prioritization considerations?

BACKUP

Status of Pre-PGDP Operable Units



Pre-Shutdown Scope

NOTE: Each environmental project is expected to have a corresponding CERCLA decision document (i.e., ROD, AM)