



July 21, 2016

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**Vice-Chair**

Mike Kemp

**Board Members**

Cindy Butterbaugh

Victoria Caldwell

Judy Clayton

Basil Drossos

Nancy Duff

Eddie Edmonds

Tom Grassham

Shay Morgan

Bill Murphy

Kevin L. Murphy

Cindy Ragland

Richard Rushing

Ken Wheeler

Carol Young

Jennifer Woodard

*DOE DDFO*

Buz Smith

*DOE Federal Coordinator*

**Board Liaisons**

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*Division of Waste*

*Management*

Julie Corkran

*Environmental Protection*

*Agency*

Mike Hardin

*Fish and Wildlife Resources*

Stephanie Brock

*Radiation Health Branch*

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## Agenda for the July Board Meeting

**6:00**

Call to order, introductions

Review of agenda

### DDFO Comments

--25 minutes

- Scoping Realignment – Jennifer Woodard

### Federal Coordinator Comments

-- 5 minutes

### Liaison Comments

-- 5 minutes

### Administrative Issues

-- 10 minutes

- EM SSAB Chairs Meeting – August 31-September 1
  1. Agenda
  2. Top Issue
  3. Groundwater discussion
  4. White paper

### Subcommittee Chair Comments

-- 10 minutes

### Public Comments

-- 15 minutes

### Final Comments

-- 10 minutes

### Adjourn



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# Paducah Citizens Advisory Board

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Jennifer Woodard  
DOE Portsmouth Paducah Project Office  
Paducah Site Lead  
July 21, 2016

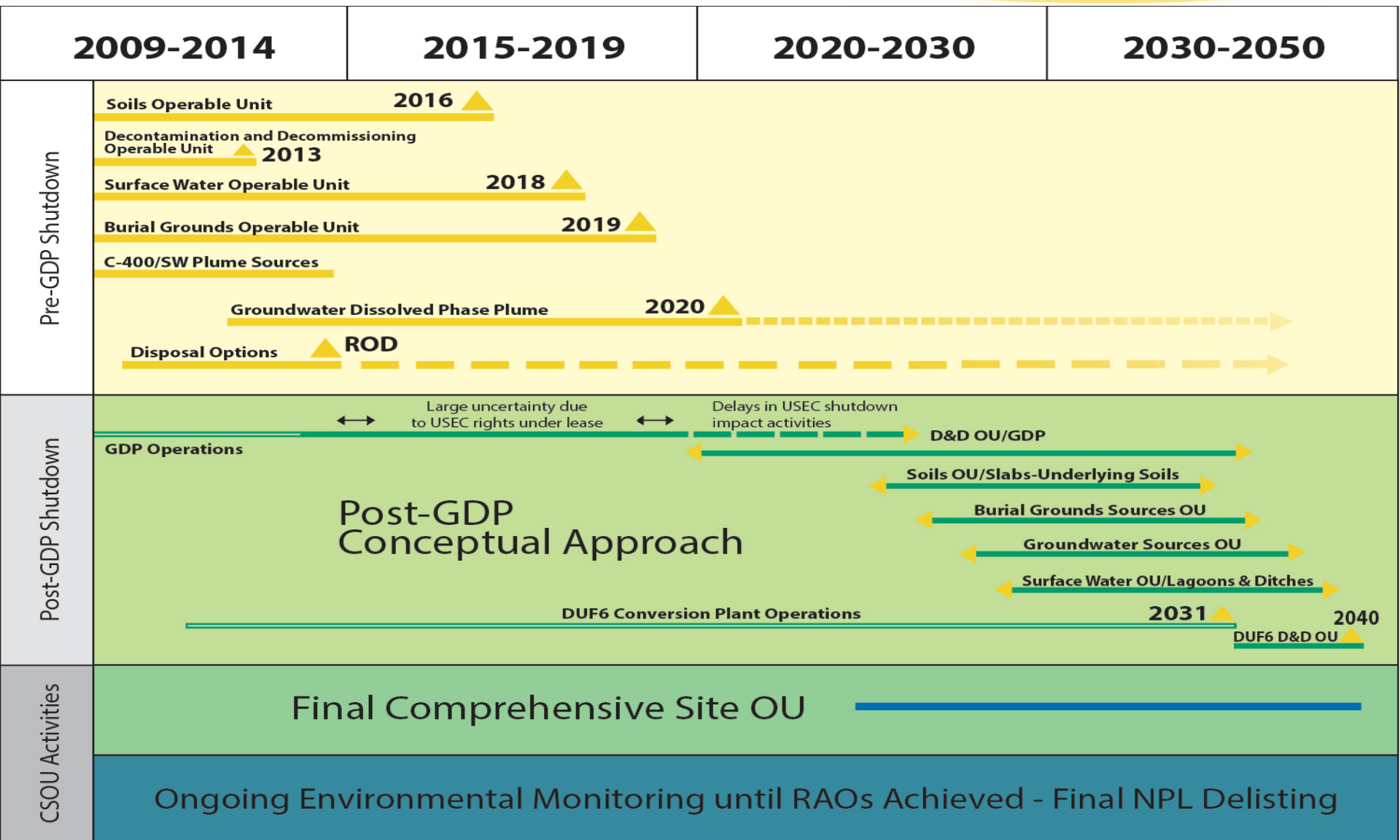


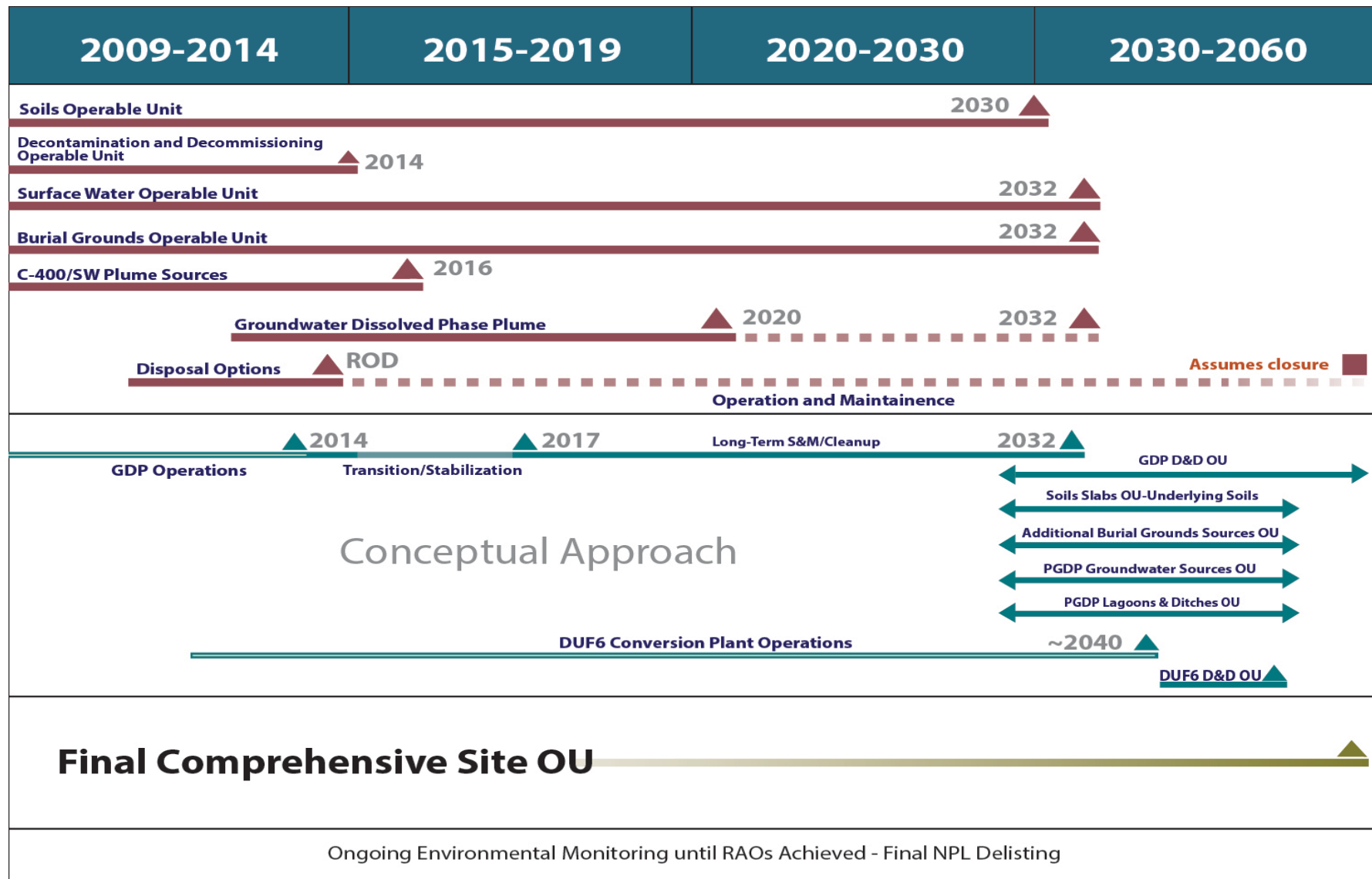
# Paducah Cleanup Scope Evolution

- 1988 – Department of Energy Environmental Management Cleanup Program began
- 1992 – Paducah Site wide Investigation published
- 1994 – Paducah place on National Priorities Listing (Superfund site)
- 1998 – Paducah Federal Facilities Agreement signed (2019 scope)
- 2013 – Cleanup milestones renegotiated from 2019 to 2032
- 2014 – Transition of plant to DOE from USEC (adding full scale D&D scope)
- 2015 – Scope re-alignment begins to integrate pre and post shutdown cleanup

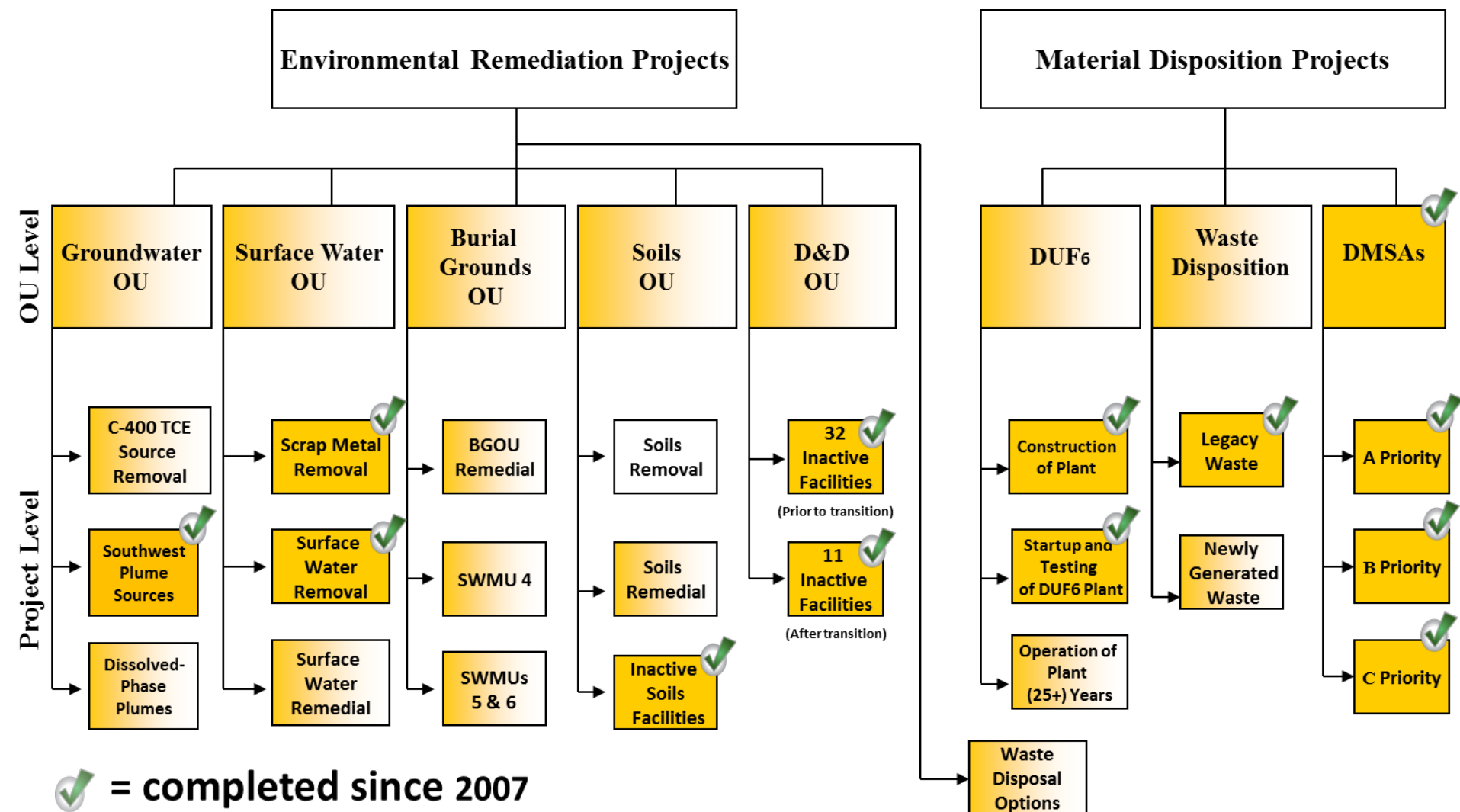


# 2019 Pre-shutdown Cleanup Scope





# Environmental Remediation Project Status





# Paducah Citizens Advisory Board



The Paducah Citizens Advisory Board (CAB) was formed in 1996 as a Department of Energy Environmental Management Site Specific Advisory Board (SSAB). The SSABs are sub-elements of DOE's Environmental Management (EM) Advisory Board, which is chartered under the Federal Advisory Committee Act. The Paducah Gaseous Diffusion Plant (PGDP) CAB is an independent, nonpartisan, broadly representative organization of a balanced mix of diverse interests with concerns related to the PGDP environmental management activities.

Nonvoting, liaison members include representatives from the U.S. Environmental Protection Agency, the Kentucky Department of Environmental Protection, the Kentucky Radiation Health Branch and the Kentucky Department of Fish and Wildlife Resources. Liaisons advise the CAB on their agencies policies and views.

The CAB meets monthly to hear from individuals working on relevant environmental efforts, form advice and recommendations to submit to DOE, and conduct CAB business.

## **Accomplishments:**

The goal of the PGDP CAB is to ensure timely, meaningful, and effective participation in decisions regarding environmental management and related DOE activities. Over the last five years, the CAB has provided recommendations concerning the Paducah site budget priorities and funding opportunities; the scope and sequencing of the burial ground remediation project; the transition of the GDP facilities back to DOE as well as their decontamination and decommissioning; the effective use of treatment technology alternatives to remediate groundwater contamination; the interviews of past and current workers to capture historical information to preserve the history of the site; the impact of siting and construction of a potential onsite waste cell, the evaluation of scrap metal recycling options to recover valuable assets, create revenue and reduce waste; and the reprioritization of environmental remediation work to maximize impact of taxpayer dollars.

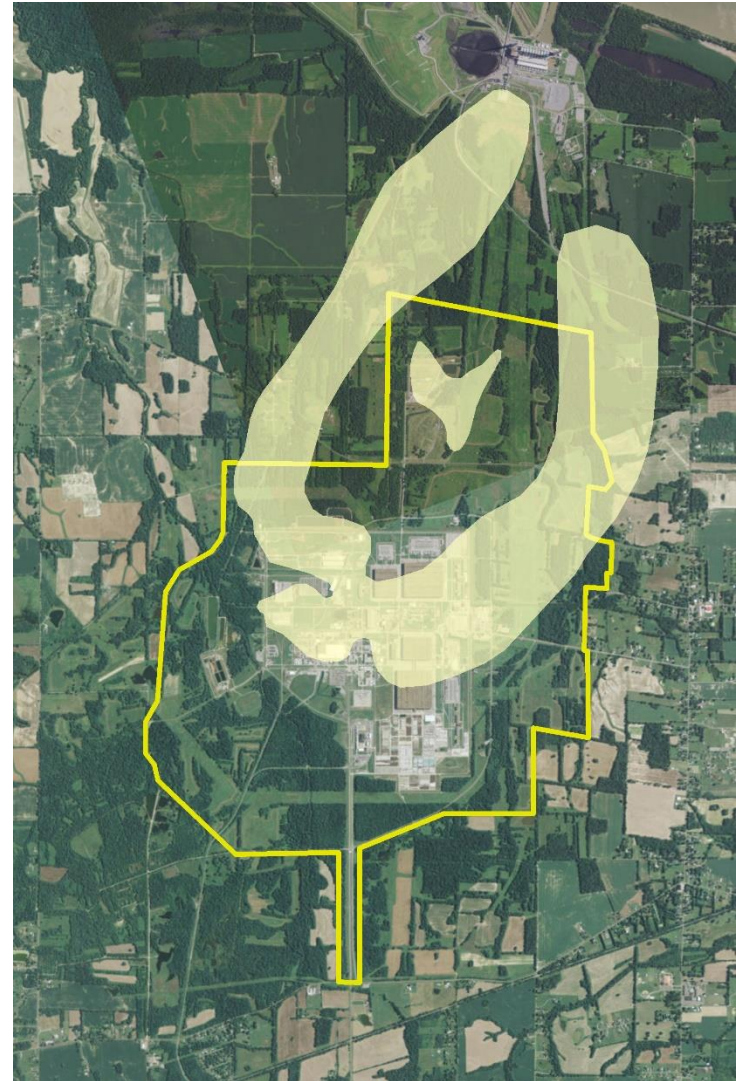
## **Priorities:**

The PGDP CAB future focus is on:

- Providing a minimum of \$324M annual funding to complete cleanup of the source of the largest offsite trichloroethene (TCE) groundwater plume in the DOE complex while safely completing the necessary deactivation of the GDP. The TCE plume spreads a known carcinogenic agent under private commercial and residential land as it approaches the Ohio River extending offsite 2.9 miles to the northwest of the site's limited area and 2.3 miles to the northeast of the limited area.
- Developing an implementable recycling program that will recover valuable assets, create revenue, and reduce waste at the PGDP
- Maintaining a skilled workforce to accomplish all cleanup goals for the PGDP site safely

# Paducah Citizens Advisory Board

- Aggressively attack the source of the largest offsite trichloroethene (TCE) groundwater plume in the DOE complex.
- Allocate a minimum of \$324M annual funding, as stated repeatedly by the CAB and community, the level needed to accomplish both TCE source removal and GDP deactivation in a safe and timely manner.







## PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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### Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes July 21, 2016

*The Citizens Advisory Board (CAB) met at the Environmental Information Center (EIC) in Paducah, Kentucky on Thursday, July 21st at 6:00 p.m.*

**Board members present:** Ken Wheeler, Renie Barger, Judy Clayton, Bill Murphy, Richard Rushing, Mike Kemp, Shay Morgan, Tom Grassham and Carol Young.

**Board Members absent:** Kevin Murphy, Cindy Butterbaugh, Cindy Ragland, Basil Drossos, and Nancy Duff.

**Board Liaisons and related regulatory agency employees:** Brian Begley, Gaye Brewer (KDWM); Julie Corkran, EPA (by phone); Stephanie Brock, Nathan Garner (by phone), KY Radiation Health Branch.

**DOE Deputy Designated Federal Official:** Jennifer Woodard, DOE.

**U.S. Department of Energy (DOE) related employees:** Robert Smith, Greg Simonton, DOE; Bob Smith, Steve Christmas, Myrna Redfield, Roland Christian, Fluor Paducah (Fluor); Eddie Spraggs, Pro2Serve (P2S); Eric Roberts, Jim Ethridge, EHI Consultants (EHI).

**Public:** David Massey, Gary VanderBoegh

#### **Introductions:**

**Barger** opened the meeting at 6:00 pm, and asked for introductions.

**Barger** then turned the meeting over to **Woodard** for a presentation on site scoping realignment. **Murphy** asked what the scope of the work at the site that ran through 2015 entailed. **Woodard** indicated that it was the hotel load to run the site, support needed to complete remediation of soils, groundwater, surface water, burial grounds, and ditches. She said that it was just for remediation. **Murphy** then asked if it involved any demolition. **Woodard** explained that there was a part for demolition of thirty-two different facilities. **Wheeler** asked if the scope of work in 2013 would be the same as it is today. **Woodard** said that it is not. She explained that the 2013 revision was only remediation. **Roberts** asked if at the time the work was originally baselined they thought there would be funding so when the plant was returned to DOE by USEC, some of the remediation would already be done. **Woodard** explained that the things listed in the 2032 baseline were the things that they could clean up regardless if DOE had the plant back.

**Murphy** asked why the DUF6 project end date was extended from 2031 to 2040. **Woodard** explained that the 2031 date was developed before construction of the facility was completed, and since the

completion date was extended, that pushed the completion date out also. **Murphy** then asked if the cylinders that were in Oak Ridge had been sent to Paducah. **Woodard** said that she thought that those cylinders had gone to Portsmouth. **Simonton** said that Portsmouth had 22,000 cylinders. **Woodard** then said that that was about half of what Paducah had, which was 47,000.

**Woodard** reported that the pump and treat projects at the site had completed all their work within the Federal Facilities Agreement. **Murphy** asked if the peaks and valleys were due to uncertainties in future funding. **Woodard** said that it was just the process of doing the work. **Kemp** asked how the \$324M budget number related to the \$400M shown in the presentation. **Woodard** replied that the \$324M was the number used because that is what the Paducah site received in 2014, and if the site could receive that amount continuously, there was better potential for success than receiving a larger amount one year and then less following.

**Wheeler** said that he did not think there had been any progress towards an overall schedule of work for the site. **Woodard** responded that it was closer but would probably take a few more months. She added that DOE had just received an overall schedule on the baseline from Fluor. **Roberts** added that usually during an election year, numbers and budgets are more difficult to obtain, and asked if **Woodard** anticipated that this year would be the same. **Wheeler** then expressed concern over the fact of the baseline changing every few years, and not seeming to be any closer to an end date for the work. He added that he thought that changing the schedule now would create distrust between the community and DOE.

**Murphy** asked if the budget that gets approved have any bearing on scheduled project cost. **Woodard** said that it affects the sequencing of the work.

**Federal Coordinator Comments:** none

**Wheeler** asked how many vacancies on the Board there were at this time. **Smith** indicated that we had more applicants than we had vacancies.

**Liaison Comments:**

**Corkran** thanked the Board for providing a consolidated set of recommendations for the National Remedy Review Board.

**Administrative Issues:**

**Roberts** reported on the upcoming EM SSAB Chairs meeting and reviewed the draft agenda for the meeting. **Barger** then presented the Top Issue that would be presented at the Chairs meeting concerning the Paducah site. **Kemp** added to the explanation of what was the Top Issue. **Clayton** suggested adding how many square miles the groundwater plume affected. Suggestions were made for changes to the Top Issue, the white paper and the one-page description of the CAB, all of which will be presented at the Chairs meeting.

**Murphy** said that he noticed a news report about the Paducah Area Community Reuse Organization (PACRO), and asked if that organization was becoming active again. **Smith** said that that organization was getting mobilized with the help of **Morgan**.

**Public Comments:** Comments by Gary VanderBoegh:

<b>VanderBoegh:</b> I'm Vice President of Commonwealth Environmental Services. I'm a former landfill manager, project manager for Lockheed Martin and Martin Marietta. I've got to be real careful on how I speak	<b>Roberts:</b> You can submit an item and see if we can get it put on the Agenda.
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tonight. I may have some former supervisor in the room tonight. I just want to introduce myself and try to come to more of these meetings. My company is set up to assist nuclear workers in their sick worker claims under the Department of Labor. I picked a good night to come because of what I just heard. I don't know if the lady from U.S. EPA is still on the phone...apparently not. What I just heard everybody talk about is TCE, and I would like to try to meet with you all and explain that we are having a difficult time communicating with the Department of Energy and their records request and we have Paducah site records still at Paducah under the control of Swift and Staley. Recently we experienced some documents that were not provided by the Paducah contractor. What we are trying to do is to bring everybody together, Buz, and see if you can meet with those contractors, and see if you can't bring everybody together on the same page about the chemicals that we were exposed to at the Paducah Gaseous Diffusion Plant.

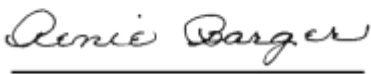
What's ironic, you all brought up something tonight about trichloroethylene, well to show you that DOL doesn't look at anything at the Paducah plant that the workers are exposed to, we have been communicating directly with Ms. Regalbuto and explaining to her, and I'm sure Buz you have heard about it since, because we are providing all the evidence to her...I'll forward you the emails then. We've all got to be on the same page. Workers were exposed, and the OSHA chemicals were identified in the 1910.120 manuals. Why is DOE and DOL not getting together and telling us what chemicals are at the plant so that the people who are working at the very bottom working the claims will understand what TCE is. Ironically we are working these issues every day and we are identifying that these workers don't even know that TCE even exists at the Paducah plant. And my coworkers and I are getting a little bit tired of handling claims, going to about 250 different hearings in Paducah and documenting this, only to talking to deaf ears. So there are changes coming people, and you all have a duty and obligation, and I appreciate Fluor being here tonight because the last time I was here with Con Murphy, he was one of the only people with the exception of Jennifer (Woodard) that raised their hand about ISMS. Well, these are the basic safety principles in the whole DOE system. Is anybody aware of any safety issues at the plant? Jennifer? Any? Somebody needs to start communicating these with the people in the community. I will represent the citizens if I'm allowed to talk. Eric how am I doing? We can at least put everybody on the

<p>same page. The DUF6 cylinders for instance. How many in this room know that they contain U-234? And beryllium? Does anybody in here doubt that...Buz? Are you all aware of it? So, I was at Portsmouth. We've got the same problem. These are the same guys I was in Portsmouth with. And we need to be honest and open and bring them... Can we set up a meeting where we have citizens come in to talk to the Board or is that not allowed?</p>	
<p><b>VanderBoegh:</b> You know that is not going to happen. You're not going to approve anybody coming in from the citizens' side of this. And we just need to have more people aware. Ten years ago, Judy (Clayton) and I were right here in the same meeting. Nothing's changed.</p>	

**Final Comments: Woodard** added that Robert Edwards had been appointed the Manager for the Portsmouth/Paducah Project Office, and that Dr. Vince Adams had been appointed the Deputy Manager for the same office.

**Barger** adjourned the meeting at 7:45 pm.

Approved by **Renie Barger, Chair**



Renie Barger