



November 29, 2018

## November 2018 Citizens Advisory Board Meeting Agenda

**Chair**  
Bill Murphy

**Vice-Chair**  
Mike Kemp

**Board Members**  
Renea Akin  
Renie Barger  
Cindy Butterbaugh  
Victoria Caldwell  
Judy Clayton  
Nancy Duff  
Celeste Emerson  
David Homra  
Fran Johnson  
Shay Morgan  
Patrick White  
Carol Young

Jennifer Woodard  
*DOE DDFO*

Buz Smith  
*DOE Federal Coordinator*

**Board Liaisons**

Brian Begley  
*Division of Waste  
Management*

Julie Corkran  
*Environmental Protection  
Agency*

Mike Hardin  
*Fish and Wildlife Resources*

Stephanie Brock  
*Radiation Health Branch*

**Support Services**

EHI Consultants, Inc.  
Emerging Technology Center  
5100 Alben Barkley Dr.  
Paducah, KY 42001  
Phone 270.554.3004  
Fax 270.554.3248

[www.energy.gov/pppo/pgdp-cab](http://www.energy.gov/pppo/pgdp-cab)  
[info@pgdpcab.org](mailto:info@pgdpcab.org)

**6:00pm**

Call to order, introductions  
Review of agenda

**DOE Comments**

-- 5 minutes

**Federal Coordinator Comments**

-- 5 minutes

**Liaison Comments**

-- 5 minutes

**Presentation**

-- 20 minutes

**Administrative Issues**

-- 20 minutes

- **Chairs Meeting review**
- **Chairs Meeting Recommendation**
- **CAB Workplan**
- **Election of Vice Chair**
- **Election of Executive Committee**

**Public Comments**

-- 15 minutes

**Final Comments**

-- 10 minutes

**Adjourn**

**EM SSAB Chairs**  
**Recommendation to the Department of Energy**  
**Recommendation Regarding Site-Specific Advisory Board Involvement in Enhancing**  
**Stakeholder/Public Engagement**

**Background**

The Environmental Site-Specific Advisory Board (EM SSAB) understands that successful completion of the DOE-EM mission must include community, public and stakeholder education and engagement. This engagement can be developed and implemented in any of several different forms that reflect the public interest in; stage of cleanup combined with the complexity and uniqueness of each of the cleanup sites managed by DOE-EM.

Because of the variety of sites and different cleanup schedules, we are presenting a suite of potential activities that can be implemented at varying levels at each of the sites but are applicable to all in some form. Individual site-specific advisory boards are in the perfect position to help develop and recommend implementation strategies on each of these activities. Advisory board involvement would help the site enhance its outreach by providing advice related to specific targeted areas based on feedback from actual communities and individuals who live near or are potentially impacted by site activities.

**Potential Activities:**

- Site managers and/or designees should work with their advisory board to determine the additional needs for public information exchange and opportunities for engagement. Specifically, this can be done using a Community Analysis or previously collected data from public meeting attendance, outreach efforts, etc. To determine the level of public interest, these activities may include a far reaching individual regional community analysis; polling selected public interest groups; polling advisory board members, etc. Include the site specific advisory board in developing questions for the community analysis if that method of obtaining information is chosen. Advisory Board members could provide specific recommendations to the site manager related to improving outreach efforts in particular affected communities.
- Prepare a one-page or three-fold handout of their site's information sources listed – with videos, speakers, topics, websites, tour information, etc. Send it to each applicable Chamber of Commerce with a request to further provide to local civic and service organizations, churches, veterans groups, senior centers and libraries with a suggested transmittal letter.
- Develop a virtual reality tour that includes clear, in-depth information that will help the public understand the depth and breadth of cleanup decisions and activities. Provide this to the public and local and regional educational institutions.
- Enhance educational outreach:
  - Develop a site-specific program educational exhibit booth(s) with handouts and educational tools that assist educators (from elementary school level through college) with the history and legacy of the site.

- Coordinate with local and regional school districts and college departments that teach environmental science to develop a relationship and inform them about the environmental educational sources and include a site tour for educators.
- Develop displays (could be 3D) located in public and educational libraries that provide in-depth information on one or more site subjects; i.e. upcoming cleanup decisions soliciting public comment; site successes/challenges, transportation routes; identifying websites for more info, etc. These should be updated regularly/quarterly – especially for time-sensitive information.

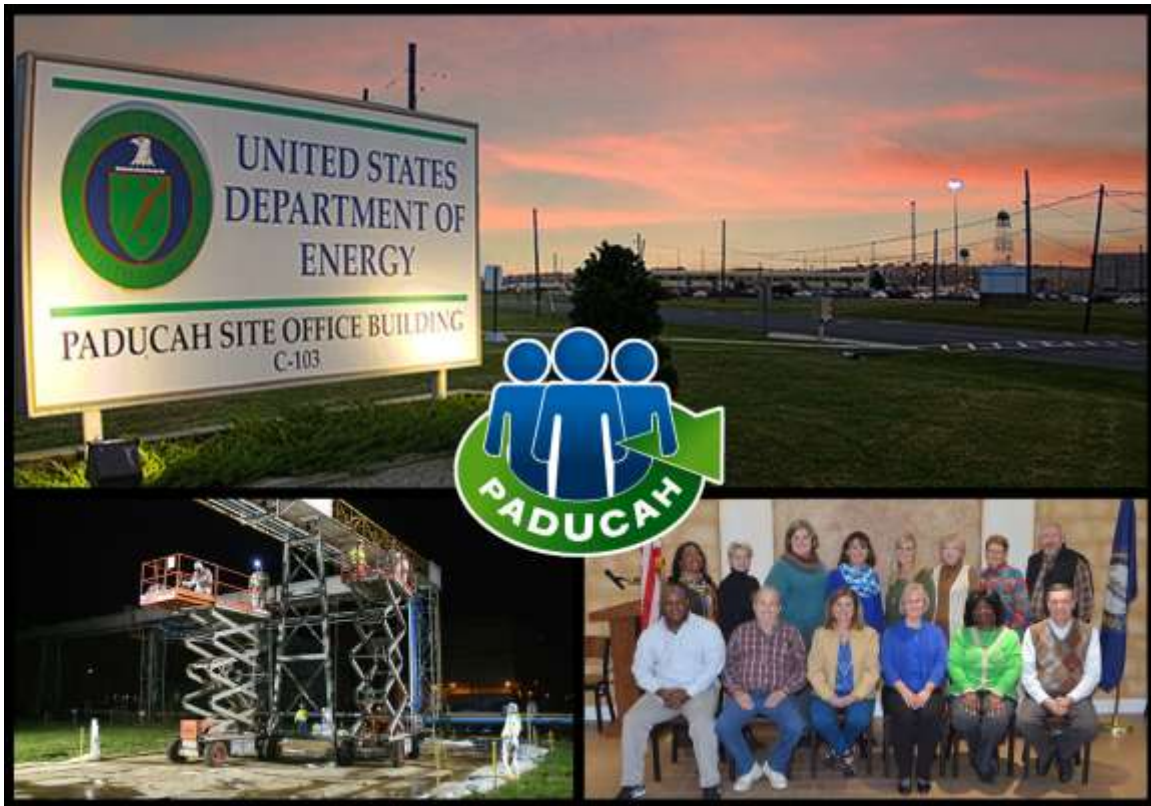
### **Recommendation**

We recommend that the individual site managers/designees and their advisory boards work together to discuss and determine which activities best suit their circumstances and respond to public needs. The detail, depth, and implementation plan should result from this collaborative effort.

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### **References**

1. ***“Recommendation for Approval of Community Analysis Plan” Nevada Site-Specific Advisory Board, January 17, 2018.***  
**[https://www.nnss.gov/nssab/docs/Recommendations/R\\_FY18/NSSAB%20Recommendation%20for%20Approval%20of%20Community%20Analysis%20Plan%20FINAL%2001-17-18.pdf](https://www.nnss.gov/nssab/docs/Recommendations/R_FY18/NSSAB%20Recommendation%20for%20Approval%20of%20Community%20Analysis%20Plan%20FINAL%2001-17-18.pdf)**



## **Paducah Gaseous Diffusion Plant Citizens Advisory Board ANNUAL WORKPLAN Fiscal Year 2019**

The attached CAB Workplan has been agreed upon by U.S. Department of Energy and the Paducah Gaseous Diffusion Plant Citizens Advisory Board on November 29, 2018:

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Bill Murphy  
CAB Chair

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Jennifer Woodard  
U.S. DOE, DDFO

## INTRODUCTION

The Paducah Gaseous Diffusion Plant (PGDP) Citizens Advisory Board (CAB) is a Federal Advisory Committee Act board, chartered to provide advice to the U. S. Department of Energy (DOE) Office of Environmental Management located at the Paducah Site. The Portsmouth/Paducah Project Office (PPPO) manages the Environmental Management activities in Paducah.

The CAB is comprised of up to 18 individuals from the Western Kentucky and Southern Illinois areas. The members, who can serve up to three consecutive two-year terms, represent business, academia, labor, local government, environmentalist, special interest groups, and the general public. In addition to DOE, the Environmental Protection Agency (EPA) Region IV, the Kentucky Department of Waste Management, the Kentucky Cabinet for Health Services, and the West Kentucky Wildlife Management Area are represented on the board in an advisory capacity.

The scope of the CAB is to provide advice and recommendations concerning the following EM site-specific issues: clean-up standards and environmental restoration; waste management and disposition; stabilization and disposition of non-stockpile nuclear materials; excess facilities; future land use and long term stewardship; risk assessment and management; and clean-up science and technology activities. The Board may also be asked to provide advice and recommendations on any other EM projects or issues.

The Board meets monthly to hear presentations by persons working on relevant environmental management topics. Additionally the Board meets to consider recommendations developed by the PGDP CAB, to listen to and discuss input from citizens, and perform other business. The Board strives for consensus in reaching decisions and conducts business under a set of bylaws, standing rules, and special rules of order..

The Paducah CAB generally works to achieve its mission through its subcommittee structure, and each year the Board holds a planning meeting to determine how best to address its mission. An active educational series operating in an administrative and preparatory manner to prepare board members and future subcommittees for the task of advising DOE. The educational series has been developed based on future project priorities, as selected by the CAB members, with guidance from DOE. They are:

- Remediation Technology
- Land Transfer/Footprint Reduction

Additional topics for discussion will include the Federal Budgeting Process, Community Engagement and Site Reconfiguration.

This Work Plan addresses the CAB's educational priorities for the 2019 Fiscal Year, and the anticipated topics for 2020 Fiscal Year. While the Board intends to structure their activities to focus on the priority subjects, it is understood that other topics may present themselves that could result in deviation from the Work Plan and the development of *Ad Hoc* subcommittees.

### CAB Executive Committee

The Board's Executive Committee is typically comprised of the current board chair and vice chair; and chairs of active subcommittees established at the annual retreat. Under the current CAB structure, the 2018 Executive Committee will be comprised of the Board Chair, Vice Chair, the past Vice Chair and 3 "delegate" board members as elected by the CAB. The Executive Committee meets regularly to

direct administrative actions of the CAB, as well as to maintain the focus and direction of the Board and any *Ad Hoc* subcommittees

## CAB Meetings

CAB meetings are intended to communicate the business of the CAB and to discuss and vote on recommendations to be submitted to DOE. In addition, DOE and liaison comments will be made in the form of a presentation intended to brief CAB members of recent developments and provide site highlights and accomplishments. The CAB will populate and support two subcommittees: Remediation Technology (RT), and Land Transfer/Footprint Reduction (LT/FR).

Projected 2019 CAB Meeting Schedule		
<i>Month</i>	<i>Subject</i>	<i>Topics</i>
October 18, 2018	CAB Planning Session	
November 15, 2018*	CAB Workplan and Election	
December ??, 2018	<i>Holiday Educational Session</i>	
January 17, 2019	RT- Division of OUs, Near Term Cleanup Focus Areas LT/FR- Land Transfer Objectives	
February 21, 2019*	Federal Budget	
March 21, 2019	RT– Groundwater 101: Hydrogeology LT/FR- Land Transfer Plan 1	
April 18, 2019	RT- Groundwater 101: Paducah Site GW Environment LT/FR- Land Transfer Plan 2	
May 16, 2019*	Non-Destructive Assay and Deactivation	
June 20, 2019	RT- Groundwater Treatment top 60’ LT/FR- Cleanup Standards and End State	
July 18, 2019	RT- Groundwater Treatment 60’-100’	
August 15, 2019*	Virtual Museum	
September 19, 2019	CAB Planning Session	

\*Designates months with scheduled CAB Board meetings. Additional full board meetings may be added as needed in compliance with Federal Register meeting notification guidelines.

Anticipated 2020 CAB Meeting Schedule		
October 17, 2019	RT- Soils Treatment Options, Slabs, and Basements LT/FR- Sampling & Analysis Plan	
November 21, 2019*	Agreement In Principle (AIP)	
December ??, 2019	<i>Holiday Educational Session</i>	
January 16, 2020	LT/FR- Methods of Property Disposal	
February 20, 2020*		
March 19, 2020		
April 16, 2020	LT/FR- Transfer Process Status Update	
May 21, 2020*		
June 18, 2020		
July 16, 2020		
August 20, 2020*		
September 17, 2020	CAB Planning Session	

\*Designates months with scheduled CAB Board meetings. Additional full board meetings may be added as needed in compliance with Federal Register meeting notification guidelines.

## PGDP Citizens Advisory Board Workplan Schedule

	Sept 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	June 2019	July 2019	Aug 2019
<b>CAB Full Board</b>		Annual Planning Session Project sequencing, FFA clean up strategy	Board Meeting/Chairs Recap, Workplan	Paducah Site Year in Review DOE Outreach Efforts for past year Community Commitment Plan		Board Meeting/Federal Budget			Board Meeting/MDA & Deactivation			Board Meeting/Virtual Museum
<b>Executive</b>		Planning Session & Chairs Meeting	Workplan Review		Operating Procedures	Budget	Budget Recommendation	Chairs Meeting			Membership	Planning Session
<b>Remediation Technology</b>		C-400 tour			Division of OUs, Near Term Cleanup Focus Areas		GW 101: Hydrogeology	GW 101: Paducah Site GW Environment		GW Treatment Top 60'	GW Treatment 60'-100'	
<b>Land Transfer Footprint Reduction</b>					Objectives of Land Transfer		Land Transfer Plan 1	Land Transfer Plan 2		Clean up standards and end state		

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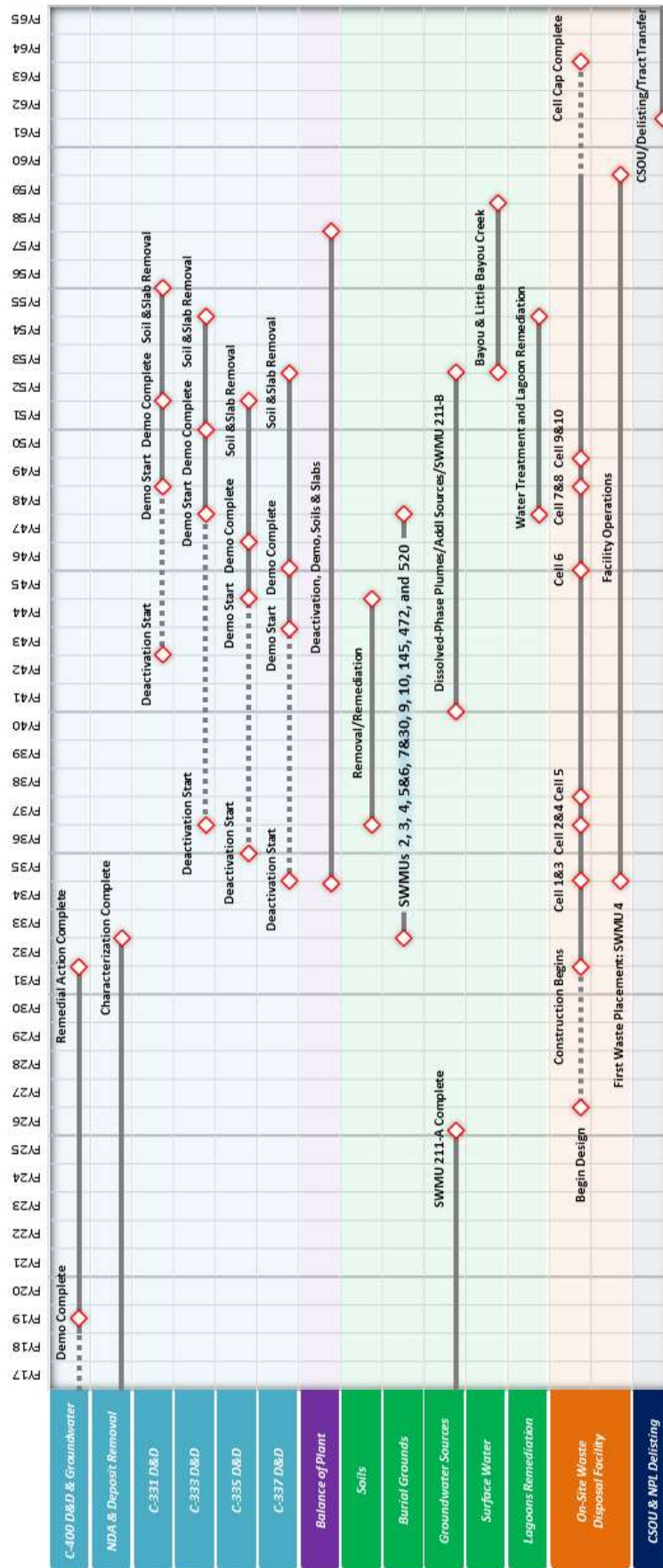
## PGDP Citizens Advisory Board Workplan Schedule

	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020
<b>CAB Full Board</b>	Annual Planning Session		Board Meeting/AIP	Paducah Site Year in Review		Board Meeting			Board Meeting			Board Meeting
<b>Executive</b>	Chair's Meeting	Workplan Development			Operating Procedures	Budget	Budget Recommendation	Chair's Meeting			Membership	Planning Session
<b>Remediation Technology</b>		Soils Treatment Options, Slabs and Basements										
<b>Land Transfer Footprint Reduction</b>		Sampling and Analysis Plan			Methods of property disposal			Transfer process status update				

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## PGDP Citizens Advisory Board Workplan Schedule

	Sept 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	July 2021	Aug 2021
<b>CAB Full Board</b>	Annual Planning Session		Board Meeting	Paducah Site Year in Review		Board Meeting			Board Meeting			Board Meeting
<b>Executive</b>	Chairs Meeting	Workplan Review			Operating Procedures	Budget	Budget Recommendation	Chairs Meeting			Membership	Planning Session
<b>Remediation Technology</b>												
<b>Land Transfer Footprint Reduction</b>					Methods of property disposal			Transfer Process status update				





## PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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4810 Alben Barkley Dr. • Paducah, Kentucky 42001 • (270) 554-3004 • [info@pgdpcab.org](mailto:info@pgdpcab.org) • [www.energy.gov/pppo/pgdp-cab](http://www.energy.gov/pppo/pgdp-cab)

### Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes November 29, 2018

*The Citizens Advisory Board (CAB) met at the West Kentucky Community and Technical College in Paducah, Kentucky on Thursday, November 29th at 6:00 p.m.*

**Board members present:** Renie Barger, Bill Murphy, Mike Kemp, Victoria Caldwell, Carol Young, Patrick White, Renea Akin, Judy Clayton, David Homra, Fran Johnson and Celeste Emerson.

**Board Members absent:** Cindy Butterbaugh, Nancy Duff and Shay Morgan.

**Board Liaisons and related regulatory agency employees:** Brian Lainhart, Commonwealth of Kentucky;

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

**U.S. Department of Energy (DOE) related employees:** Robert Smith, DOE; Steve Christmas, Four Rivers Nuclear Partnership, LLC (FRNP); Eric Roberts, Jim Ethridge, EHI Consultants (EHI).

**Public:** Mike Turnbow.

**Murphy** called the meeting to order. **Roberts** then outlined the items on the agenda. **Woodard** then provided comments.

**Woodard** reported that the access road to the site is being re-paved. She then said that the new projected start of field work to tear down the C-400 building is now August 2019. **Woodard** added that the demolition of C-400 would be done by a subcontractor, not the union or site workers.

**Murphy** asked if DOE was having to start over with deliberations with regulators on the C-400 work. **Woodard** said that it wasn't starting over completely, but almost. **Akin** asked if the funding would be lost. **Woodard** answered that it would not. **White** asked if **Woodard** thought that the project would actually start in August. **Woodard** said that that date was a "best case" and that she personally thought that the project would not start until after October. **White** then asked if DOE had other projects in mind if the C-400 work took longer than projected. **Woodard** said that they have requested suggestions from the contractor (FRNP) for that reason.

**Kemp** asked what the dispute was concerning the cost analysis report. **Woodard** said that one issue was a disagreement over the size of the "area of contamination" for C-400. She added that another issue was the classification of the landfill, whether or not it is "onsite" or "offsite". **Murphy** asked would anything outside the property fence be considered "offsite". **Woodard** indicated that they considered where the landfill is located would be "onsite". **Woodard** then said that another issue was

rad effluent that is discharged. **Murphy** then asked how the “onsite/offsite” issue would be resolved. **Woodard** indicated that it was a legal issue and the EPA had the final decision.

**Kemp** asked if there was anything that could be done to improve cooperation among the agencies. **Woodard** said she thought that there was, but it was not a quick process.

**Smith** reported that the upcoming DOE Science Bowl will be held on February 1<sup>st</sup> for the high school, and February 15<sup>th</sup> for the middle school. He added that if any of the Board members wanted to volunteer to help, to just sign up.

**Woodard** the reported that Gaye Brewer with the Kentucky Department of Environmental Protection was retiring from that agency and would no longer be attending Board meetings.

**Murphy** introduced a recommendation for vote from the Fall Chairs meeting concerning public involvement. It was approved by unanimous approval from the Board, 11-0.

**Roberts** then introduced the CAB Workplan for 2019 for review and approval. The Workplan was approved by a vote of 11-0.


The Board then took nominations for the two-year office of Vice Chair, beginning in January 2019. **Caldwell** was the only nomination and was elected by a vote of 11-0.

Election for members to serve on the Executive Committee was introduced. It was decided that the Chair, Vice Chair, and the immediate past Chair or Vice Chair would automatically serve on the committee, along with three elected members. **Barger**, **Akin**, and **Johnson** was elected to serve. Considering that **Barger’s** membership ends in June 2019, **White** was added to the group to fill out the committee for a whole year.

**Public comments:** None

**Murphy** adjourned the meeting at 7:00 pm.

Approved by William E. Murphy, Chair



William E. Murphy