



January 16, 2020

January 2020 Citizens Advisory Board Meeting Agenda

Chair

Don Barger

Vice-Chair

Victoria Caldwell

Board Members

Phillip Brown
Cindy Butterbaugh
Judy Clayton
Nancy Duff
Celeste Emerson
David Homra
Fran Johnson
Mike Kemp
Shay Morgan
Bill Murphy
Blake Summarell
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

Support Services

EHI Consultants, Inc.
Emerging Technology Center
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Paducah, KY 42001
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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

- Portsmouth/Paducah Project Office C-400 Remedial Investigation / Feasibility Study (RI/FS) Field Work and C-531 Switchyard Deactivation Updates

Administrative Issues

-- 20 minutes

- Spring 2020 EM SSAB Chairs Meeting Preview
- Workplan Review

Public Comments

-- 15 minutes

Final Comments

-- 10 minutes

Adjourn



U.S. DEPARTMENT OF
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MANAGEMENT**



CITIZENS
ADVISORY BOARD

Paducah Project Status Update

safety ♦ performance ♦ cleanup ♦ closure

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**ENVIRONMENTAL
MANAGEMENT**

**Portsmouth/Paducah Project Office
C-400 Remedial Investigation / Feasibility Study (RI/FS) Field Work
and C-531 Switchyard Deactivation Updates**

**Jennifer Woodard
U.S. Department of Energy
Portsmouth/Paducah Project Office
Paducah Site Lead
January 16, 2020**



- C-400 Remedial Investigation/Feasibility Study Work Plan Field Work Update
- Construction of TVA Substation
- Deactivation of C-531 Switchyard

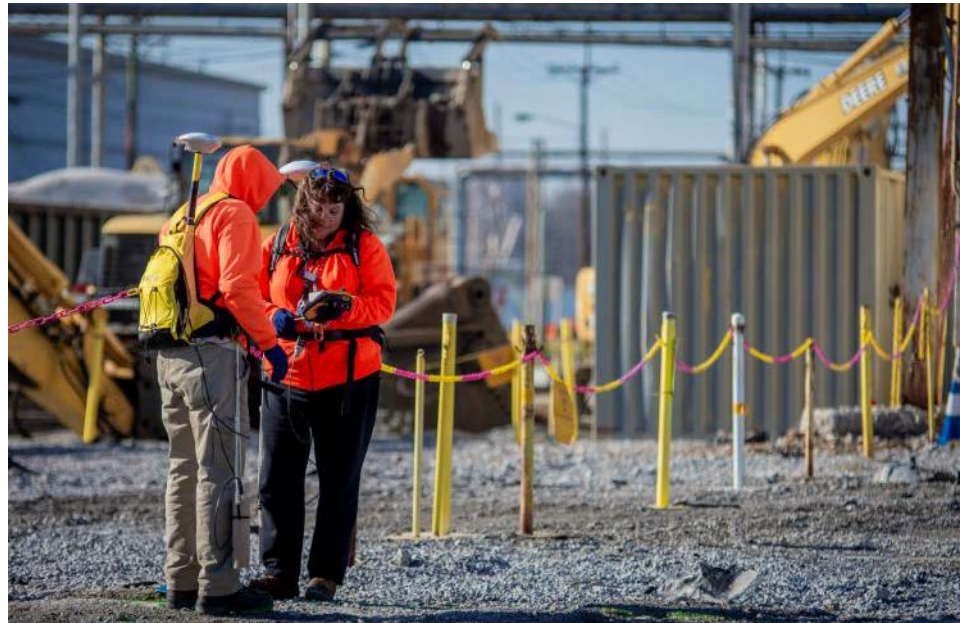
C-400 REMEDIAL INVESTIGATION/FEASIBILITY STUDY



C-400 Remedial Investigation/Feasibility Study Work Plan Field Work



- October 1, 2019 – EPA and Kentucky approved the C-400 RI/FS Work Plan
- November 11, 2019 – Field work began
 - Rehabilitation/maintenance of existing monitoring wells
 - Gamma Walkover Surveys
- February 2020 – Drilling activities anticipated to begin with field work expected to last 16 months
- Information collected during field work will be used to develop the RI/FS Report and subsequently to support remedy selection for a final remedial action at the C-400 Complex



TVA SUBSTATION CONSTRUCTION





C-531 SWITCHYARD DEACTIVATION



C-531 Switchyard will serve as the main power source to the Paducah Site until the TVA Substation becomes operational in Summer 2020

Ongoing and future work to include:

- Isolating utilities – air, steam, power, phones, etc.
- Draining oil from large electrical power equipment
- Recycling ~210,000 gallons of dielectric oils



2020 Citizens Advisory Board Workplan Schedule

	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	Aug 2020	Sept 2020
CAB Full Board		Paducah Site Environmental Monitoring	Paducah Site Year in Review	ASER		AIP Grant Activities		Board Meeting			Board Meeting	Annual Planning Session
Executive	Planning Session - Chairs Meeting	Membership		Operating Procedures	Budget	Budget Recommendation	Chairs Meeting			Year Review & Board Assessment	Workplan Development	Chairs Meeting
Remediation Technology					211A Design Update					GW 60'-100'		GW 60'-100' Treatment Options
Land Transfer Footprint Reduction	Sampling and Analysis Plan				EBS Session 1		EBS Session 2		PACRO & Future Use			
Risk and Communication	GW Map/How to Communicate Success						GW Success Path Forward		CERCLA 9 Criteria	How to Communicate Relative Risk		

2021 Citizens Advisory Board Workplan Schedule

[illegible]



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes January 16, 2020

The Citizens Advisory Board (CAB) met at the West Kentucky Community and Technical College in Paducah, Kentucky on Thursday, January 16th at 6:05 p.m.

Board members present: Bill Murphy, Mike Kemp, Victoria Caldwell, Fran Johnson, Celeste Emerson, Shay Morgan, David Homra, Judy Clayton, Blake Summarell, Don Barger and Phil Brown (on phone).

Board Members absent: Patrick White, Carol Young, Nancy Duff and Cindy Butterbaugh.

Board Liaisons and related regulatory agency employees: Brian Begley, Brian Lainhart, Chris Travis, Tabitha Owens, Kentucky Division of Waste Management; Julie Corkran (on phone) Environmental Protection Agency; Stephanie Brock, Radiation Health Branch.

DOE Deputy Designated Federal Official: Jennifer Woodard, DOE.

U.S. Department of Energy (DOE) related employees: Robert Smith, DOE; Jessica Vasseur, Four Rivers Nuclear Partnership, LLC (FRNP); Eddie Spraggs, Pro2Serve; Eric Roberts, Jim Ethridge, EHI Consultants (EHI).

Public: Kenneth Baldwin.

Barger called the meeting to order and called for introductions. He then reviewed the Agenda.

DOE Comments: Woodard reported that the continuing resolution ended during the month of December and a budget was passed. **Kemp** asked if the level of the budget was the amount requested. **Woodard** said that it was.

Federal Coordinator Comments: **Smith** said that the DOE Science Bowl would be held during February again and asked for any volunteers to contact him to get signed up.

Liaison Comments: **Begley** reported that Kentucky had applied for two grants from DOE but had not received any funds at this point. He added that they had been operating on general funds since January 1. **Begley** then said that several employees had been through training to be able to provide oversight for the C-400 work when it starts. He then said that there were a couple of documents currently being reviewed by the department. **Murphy** asked if there would be any problems doing work if the DOE grant money was delayed getting to the state. **Woodard** said that the grant was supposed to be issued late today or tomorrow (1/16-17/2020).

Woodard then provided a project update presentation on the C-400 RI/FS, construction of the TVA substation, and the C-531 switchyard deactivation. **Murphy** asked if the gamma walkover was performed by walking over the area with a gamma detector. **Woodard** said that is how it is done. **Kemp** asked if that would detect any residual radioactivity. **Woodard** said that it would detect any activity. **Clayton** commented that it was not a chemical sampling. **Brock** then commented that it was only gamma emitters. **Barger** asked how much weather impacted drilling. **Woodard** said that the weather hasn't impacted the drilling that much, but it has impacted the gamma walkovers. **Murphy** asked what the new drilling activities were concerning. **Woodard** said that it is in support of the C-400 Feasibility Study. **Begley** added that all the wells were to help discover what was under the C-400 building. **Woodard** then said that a presentation could be done to inform the Board on all the drilling activities being done on this project. **Begley** added that the wells were spread fairly evenly spatially over the C-400 area, as well as vertically. **Barger** asked what happens to the soil that is withdrawn when doing the drilling. **Woodard** indicated that it is disposed of as waste.

Murphy asked if the new switchyard being constructed is just outside the plant fence. **Woodard** said that the new switchyard is outside the current fence but has a fence of its own. She said that the C-531 Switchyard that is being deactivated is inside the plant fence. **Murphy** then asked if the new switchyard just go to the Shawnee plant. **Woodard** indicated that that was right, and the Paducah site will be off the national power grid. **Murphy** asked if Electric Energy Inc. (EEI) was still operational since the closure of the plant operations. **Woodard** said that as far as she knew, EEI was still in operation and had not seen any plans to close. **Caldwell** asked if the metal structures from the switchyard would be recycled. **Woodard** indicated that it would be eventually, but that was not a part of this project.

Barger then introduced information concerning the Spring EM SSAB Chairs meeting. He asked the Board if there were any topics of concern at the Paducah site that might be presented during the Chairs meeting. **Murphy** mentioned that transportation was a common concern across the different sites in the complex, but he wondered if there was concern when the Paducah site would start to transport some of the larger pieces of equipment for disposal. **Woodard** said that prior to shipment, routes are verified to be up to the standards for shipments traveling on those roads. **Murphy** asked if the routes that would be used to transport the converters been verified. **Woodard** indicated that that would be accomplished a few days to a few weeks before the shipment would leave the site. **Roberts** said that it might be possible to obtain a presentation concerning transportation issues that was made during the Fall EM SSAB Chairs meeting and could forward that to the Board for more information. **Barger** said that during that Chairs meeting a recommendation was presented but the Chairs were unable to finalize the recommendation for vote. **Murphy** asked if transporting materials past high traffic areas, such as around the Paducah mall area, was of concern. **Woodard** said that any oversized, overweight load is of concern, no matter what is being transported. She added that there were other routes that might be used. **Brock** added that the Radiation Health Branch did escort high activity shipments through the state along with Kentucky State Police. **Murphy** asked if there was any plan to let the public know about shipments prior to shipping. **Woodard** said that they had not worked through that process yet.

Kemp commented that he thought that it would be good to introduce at a Chairs meeting the things that are working for the Paducah site. He indicated that an example would be the presentation done by the Risk and Communication subcommittee on presenting site success to the public.


Roberts updated the members on meeting changes on the CAB Workplan.

Public Comments: none.

Final Comments: Murphy announced that Johnson had recently retired from the Paducah Chamber of Commerce and congratulated her for her years of service.

Barger adjourned the meeting at 6:54 pm.

Approved by Don Barger, Chair


Don Barger