



November 21, 2019

November 2019 Citizens Advisory Board Meeting Agenda

Chair

Bill Murphy

Vice-Chair

Victoria Caldwell

Board Members

Don Barger
Phillip Brown
Cindy Butterbaugh
Judy Clayton
Nancy Duff
Celeste Emerson
David Homra
Fran Johnson
Mike Kemp
Shay Morgan
Blake Summarell
Patrick White
Carol Young

Jennifer Woodard
DOE DDFD

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
5100 Alben Barkley Dr.
Paducah, KY 42001
Phone 270.554.3004
Fax 270.554.3248

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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

- Paducah Site Project Update

Administrative Issues

-- 20 minutes

- Fall 2019 EM SSAB Chairs Meeting Review
- Chairs Meeting Recommendations
 1. Recommendation 1 – Budget
 2. Recommendation 2 – Transportation and Disposition
- Workplan Review
- October Subcommittee Meeting Review
- CAB Leadership Elections

Public Comments

-- 15 minutes

Final Comments

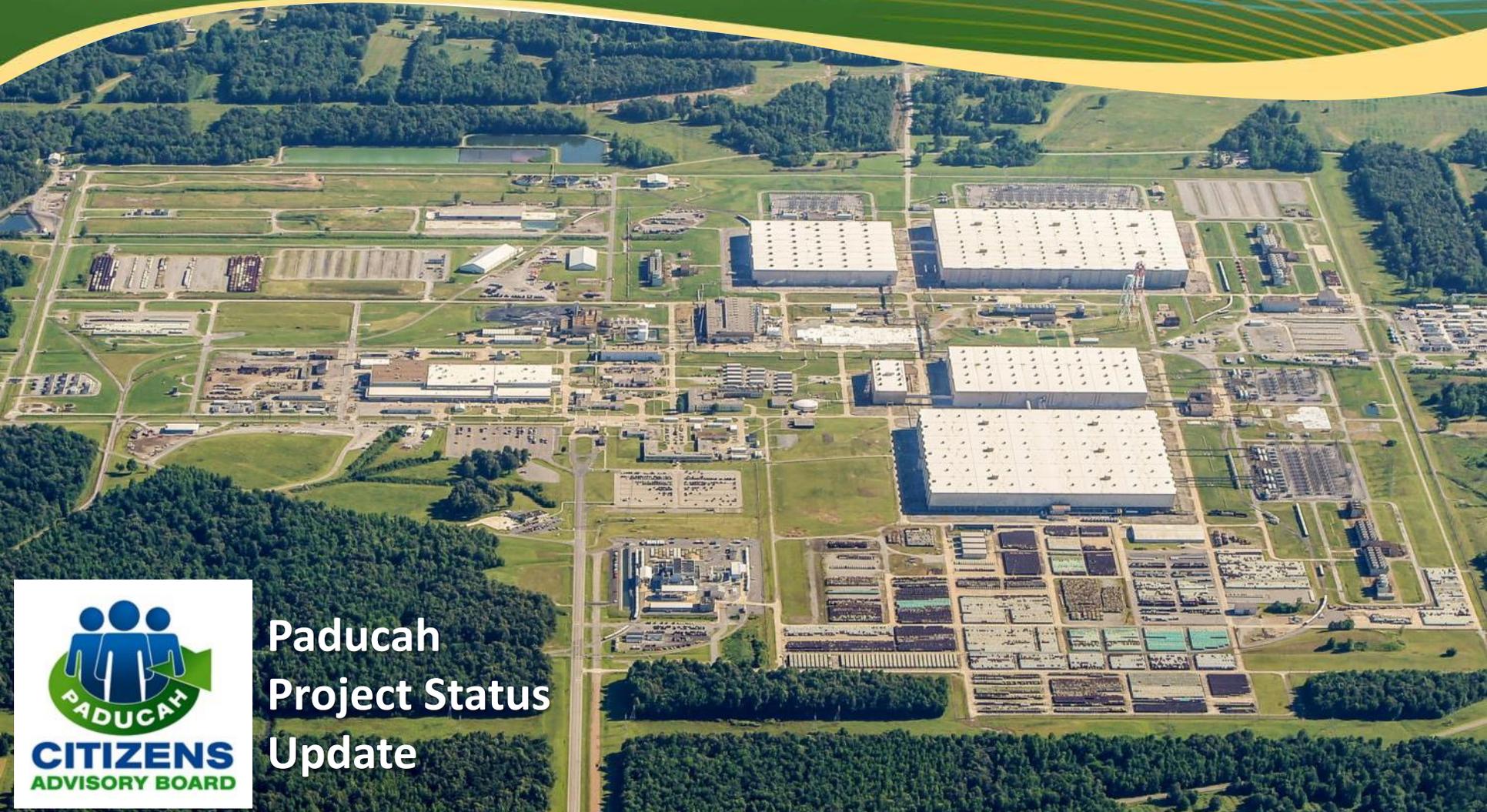
-- 10 minutes

Adjourn

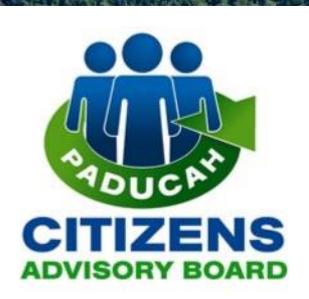


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Paducah Project Status Update





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Paducah Site Project Update

Jennifer Woodard

U.S. Department of Energy Portsmouth/Paducah Project Office

Paducah Site Lead

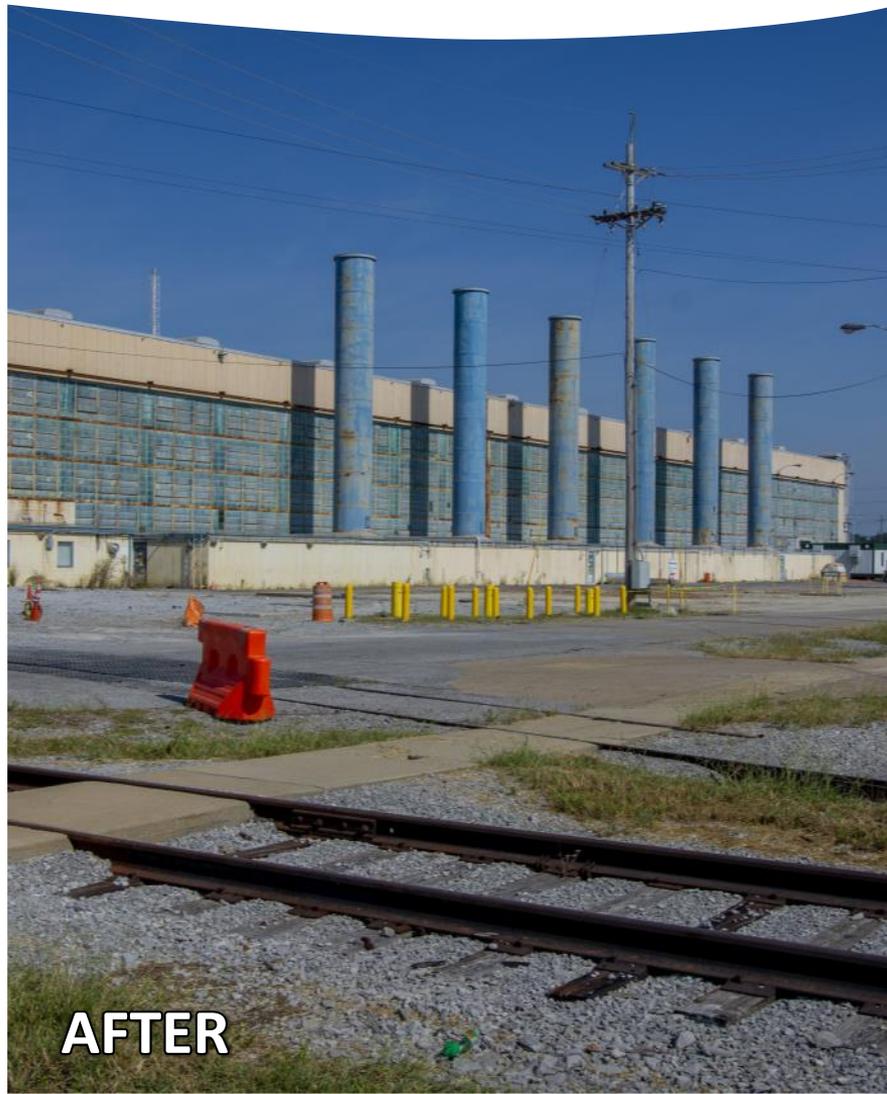
BEFORE



AFTER



C-400 Interim Remedial Action





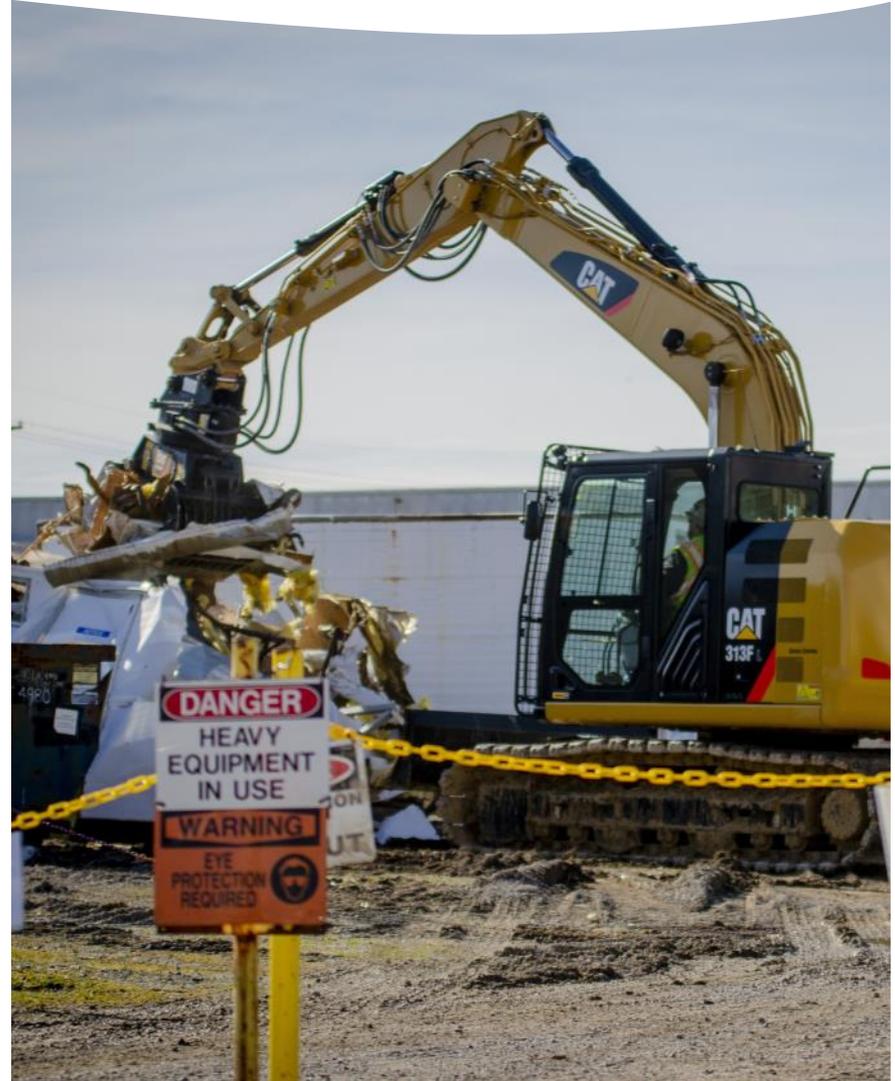


BEFORE



AFTER

Trailer Demolition



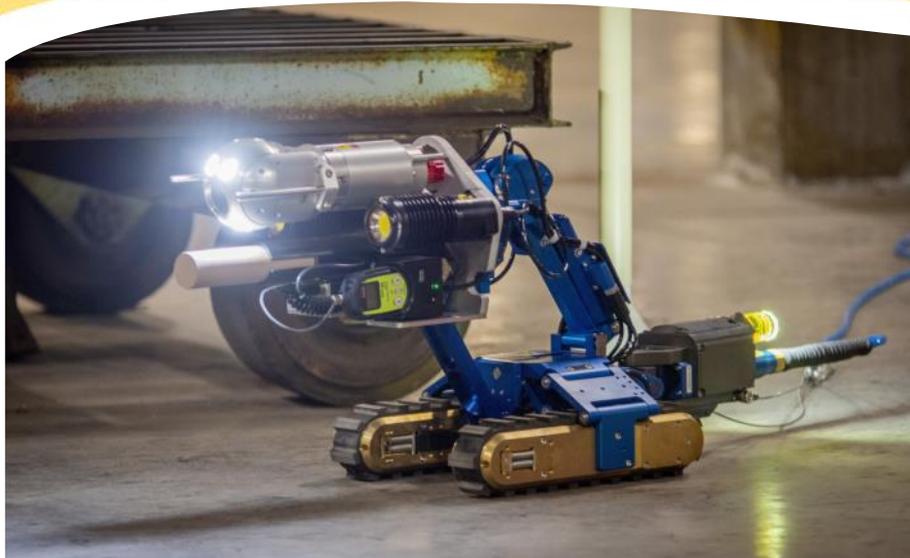
C-740 Material Storage Yard



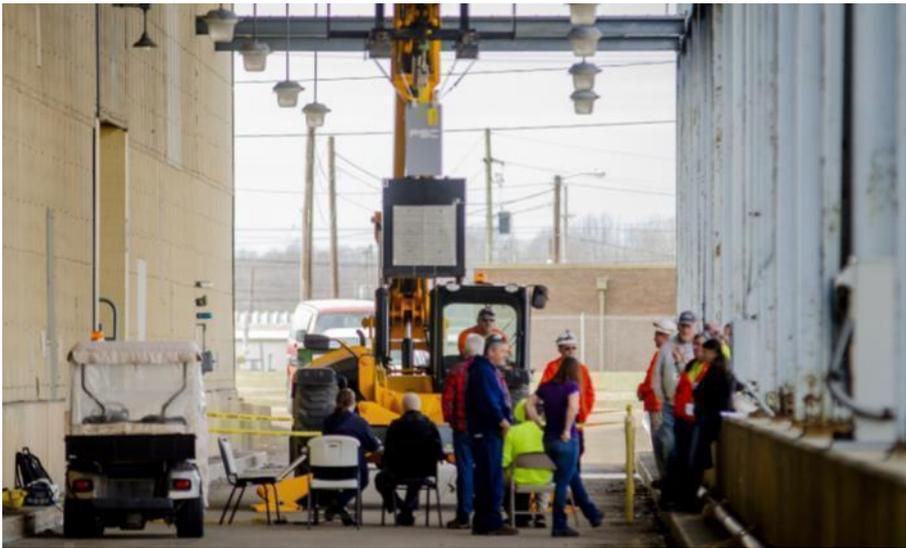
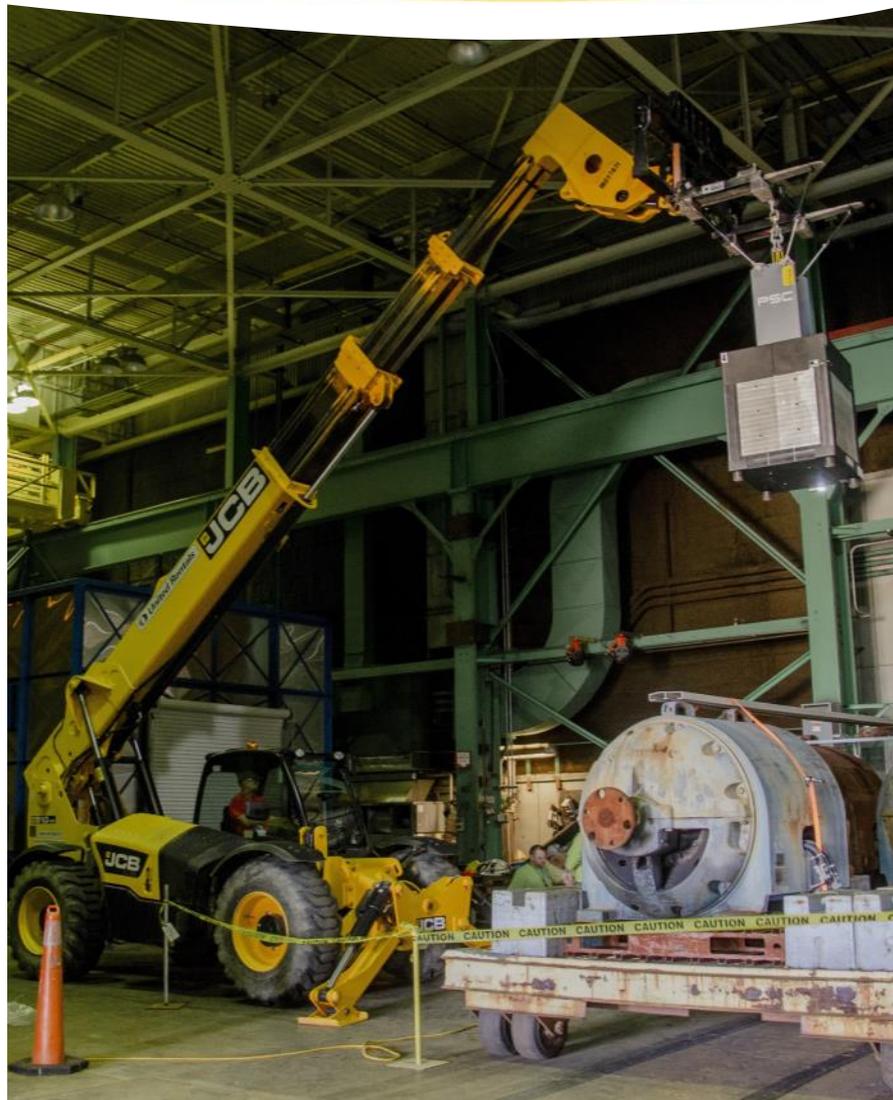
C-740 Material Storage Yard



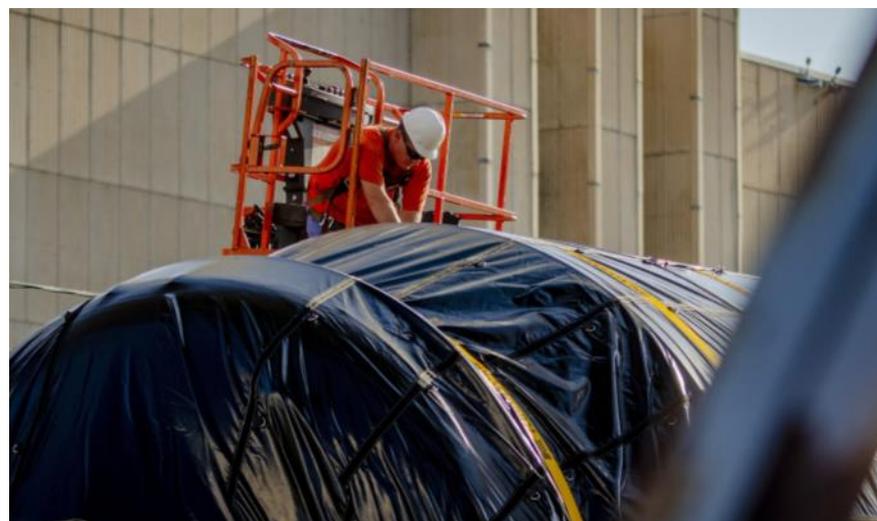
R-CHIP Robot Crawler

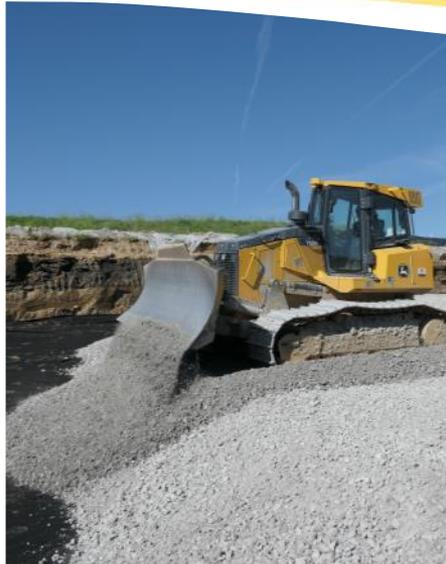


Converter Measurement System



Large Component Shipment





Completed Landfill Expansion



Cold Trap Shipment





PADUCAH TARGETS



Remediation

- Southwest Plume Remedy Implementation
- C-400 Remedial Investigation

Utility Optimization

- De-energize C-531 switchyard
- Drain insulating oil
- Isolate from other utilities
- Complete TVA substation tie-in

C-720 Machine Shop

- Relocate stores, receiving and shipping
- Working towards deactivation

C-710 Laboratory

- Remove all fissile material
- Eliminate CAAS
- Transfer excess property

C-333 Process Building

- Remove all R-114 refrigerant
- Begin shipment of converters
- Remove asbestos housing panels (18/60)
- Characterize, remove & disposition process gas equipment
- Characterize loose process gas equipment
- Characterize & package converters (12)
- Eliminate heat requirement for high pressure fire water
- Place cranes in service

ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD

CHAIRS MEETING RECOMMENDATION

October 30, 2019

Sun Valley, Idaho

Recommendation on Improving EM SSAB and Public Engagement in the DOE Environmental Management Budget Process

Each Department of Energy Office of Environmental Management (DOE-EM) site is unique in its stage of cleanup – some are smaller, some are closer to the end of their cleanup and some have decades to go. Because of the uniqueness, difference in size, complexity, Federal Facility Agreements and length of cleanup the level of budget detail needed by each board may be different.

The eight citizen advisory boards that make up the EM Site-Specific Advisory Board (SSAB) that provide recommendations, advice and public perspectives to their local DOE-EM management believe that it is important to provide well-informed and timely recommendations, advice and comments regarding priorities at their sites. In order to do that they need to have an adequate level of priority planning detail provided in time to deliberate, develop and transmit timely recommendations to their respective local DOE-EM management. Consideration of our recommendations while the local EM offices are developing their priorities and budget requests and prior to local offices transmitting their priorities and budget request to DOE-EM HQ is in the spirit of transparency and collaboration.

The EM SSAB recommends:

1. DOE engage the local boards that make up the EM SSAB in the December-January-February timeframe in the budget process to ensure adequate time for the boards to be able to provide informed advice/recommendations for submittal to their local DOE EM management for review and consideration as local priorities and budget requests are being developed.
2. Local EM site offices work with their advisory board early in the December-January-February timeframe to identify the level of priority and budget detail that each Board needs to discuss and develop informed

advice/recommendations in time for DOE consideration as they develop their budget request submittal to DOE-EM HQ. For larger sites with multiple cleanup actions the detail should include an integrated priority planning list that identifies those cleanup activities that would be delayed if funding levels are not sufficient or if unplanned/emerging issues must be addressed.

3. DOE-EM HQ relay to the local EM offices whatever guidance is required in the December-January-February timeframe to ensure that the information local advisory boards need in order to understand and develop priorities and budget advice, recommendations are submitted to local EM management for review and consideration prior to their budget request submittal to HQ deadlines.

Who We Are

The EM SSAB is the DOE-EM's most effective vehicle for fostering two-way communication between DOE-EM and the communities it serves. The EM program is the world's largest environmental cleanup program, and the EM SSAB its only citizen advisory board. For more than 20 years, the volunteer citizens of the EM SSAB have partnered with EM officials at both the local and national levels to ensure that the public has a meaningful voice in cleanup decisions.

Public participation is required/recommended as part of a number of environmental regulations. It is also good business practice, resulting in better decisions that often result in improved cleanup. Over the past two decades, EM SSAB members have volunteered over 48,000 hours of their time and submitted to EM officials over 1500 recommendations, 88% of which have been fully or partially implemented, resulting in improved cleanup decisions.

The EM SSAB comprises approximately 200 people from communities in Georgia, Idaho, Kentucky, Nevada, New Mexico, Ohio, Oregon, South Carolina, Tennessee and Washington. The Board is cumulatively representative of a stakeholder population totaling millions of people who are affected by generator sites, transportation routes and disposal sites. As we move forward, the EM SSAB welcomes the opportunity to highlight the value of this unique volunteer board and discuss its priorities during the months and years ahead.

ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD

CHAIRS MEETING RECOMMENDATION

October 30, 2019
Sun Valley, Idaho

Recommendation on the Disposition and Transport of Nuclear Material

The Waste Isolation Pilot Project transport program has been incredibly successful in helping accomplish the task of safe movement of transuranic (TRU) waste, to Carlsbad, New Mexico, from multiple Department of Energy's Environmental Management (DOE-EM) sites, beginning in the spring of 1999.

As members of the EM Site-Specific Advisory Board (EM SSAB), we laud the collaborative work between DOE and the Western states in the development and execution of this plan and the ongoing cleanup, transportation and disposition of TRU waste and other shipments thus far. We understand that the program includes common sense elements that exceed regulatory requirements.

The EM SSAB Chairs agree that safe transport of waste material to its permanent disposition addresses one of the most important goals that the DOE-EM complex has undertaken. We urge you not to undervalue the importance of this program which will be needed far into the future in order to address remaining TRU at all DOE-EM sites.

DOE activities are funded by Congress through its annual appropriation process. Within that appropriation framework, DOE requests funds necessary to support long-term obligations within its statutory and regulatory requirements.

It is important to the EM SSAB Chairs that DOE-EM, when dispositioning waste off-site, strive to move all DOE-EM regulated waste material, including TRU waste, once to its final disposition.

We appreciate this opportunity to share our observations and applaud DOE-EM's continued focus on solutions for nuclear waste disposition and safe transport to permanent repositories.

It is recommended that DOE-EM:

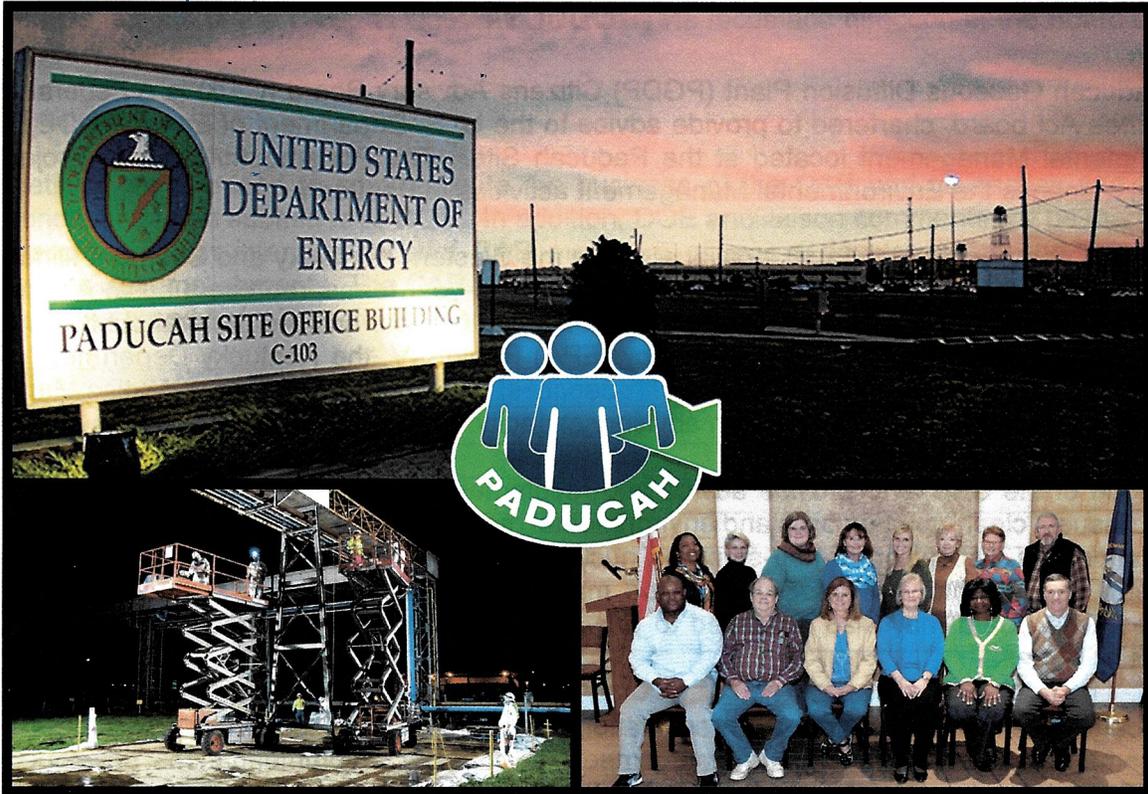
- Prioritize development of final disposition sites with the goal of reducing the interim storage footprint at each of the sites.
- Specify Waste Acceptance Criteria for all forms of waste and Spent Nuclear Fuel in a manner that will allow all sites to proceed with waste processing confidently, efficiently, and without delay.
- Continue to insist on a compliant budget that will provide sufficient funding to act without delay, nor impediment, to prepare waste for shipment.
- Create a transportation program for the safe and uneventful shipment of all EM waste material.

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Paducah Gaseous Diffusion Plant Citizens Advisory Board ANNUAL WORKPLAN Fiscal Year 2020

The attached CAB Workplan has been agreed upon by U.S. Department of Energy and the Paducah Gaseous Diffusion Plant Citizens Advisory Board on October 17, 2019:


Bill Murphy
CAB Chair


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
- Risk and Communication

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 2020 Fiscal Year, and the anticipated topics for 2021 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 2020 CAB Meeting Schedule		
<i>Month</i>	<i>Subject</i>	<i>Outcomes</i>
October 17, 2019		
November 21, 2019		
December 2019		
January 16, 2020		
February 20, 2020		
March 19, 2020		
April 16, 2020		
May 21, 2020		
June 18, 2020		
July 16, 2020		
August 20, 2020		
September 17, 2020		

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

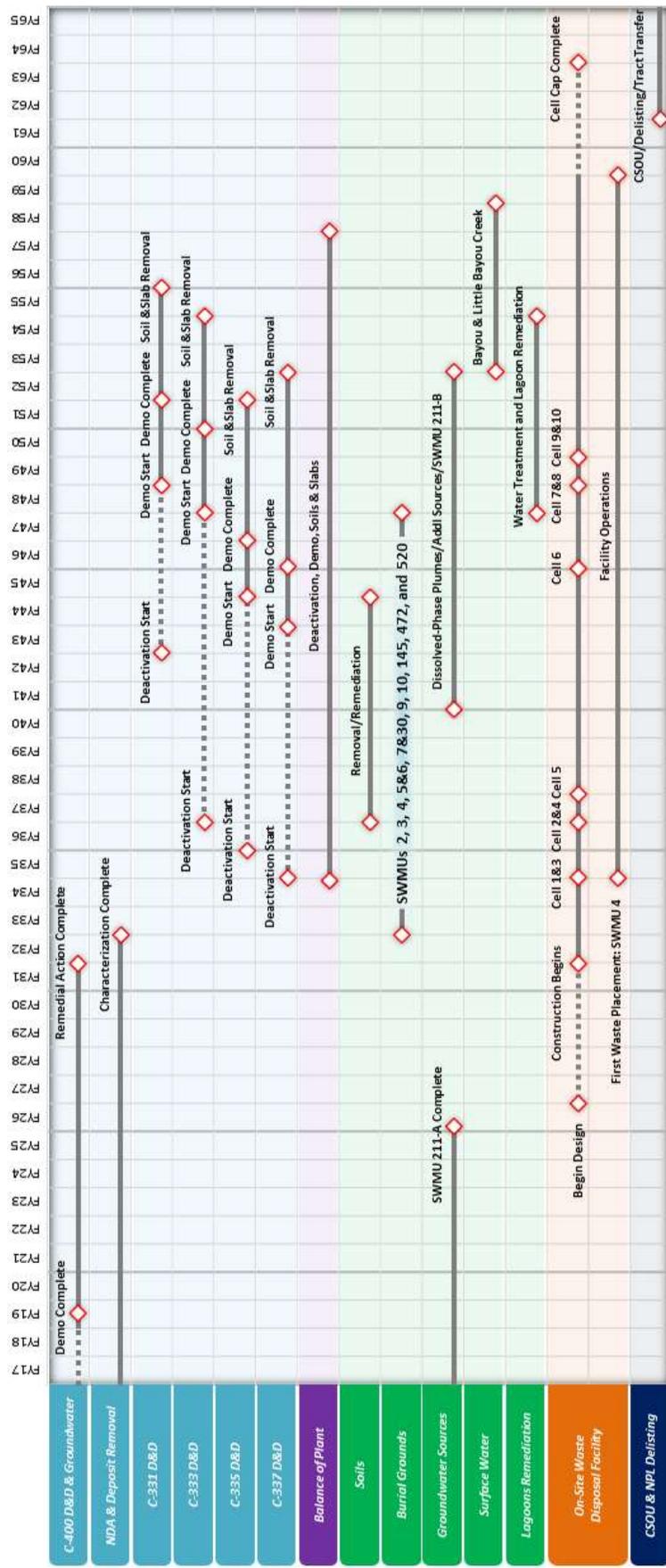
Anticipated 2021 CAB Meeting Schedule		
October 15, 2020		
November 19, 2020		
December 2020		
January 21, 2021		
February 18, 2021		
March 18, 2021		
April 15, 2021		
May 20, 2021		
June 17, 2021		
July 15, 2021		
August 19, 2021		
September 16, 2021		

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

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		TBD		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 Outreach Path Forward		CERCLA 9 Criteria	How to Communicate Relative Risk		

2021 Citizens Advisory Board Workplan Schedule

	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	June 2021	July 2021	Aug 2021	Sept 2021
CAB Full Board		Board Meeting/Project Status	Paducah Site Year in Review		Board Meeting			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	Soils Treatment Options- Slabs Basements			C-400 Feasibility Study								
Land Transfer Footprint Reduction												
Risk and Communication												





PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Land Transfer Footprint Reduction Subcommittee Session Summary October 17, 2019

The Citizens Advisory Board (CAB) Land Transfer/Footprint Reduction subcommittee met at the West Kentucky Community and Technical College in Paducah, Kentucky on Thursday, October 17th at 5:15 p.m.

Subcommittee members present: Judy Clayton, and Patrick White.

Board members present: Mike Kemp, Fran Johnson, Celeste Emerson, Don Barger, Phil Brown and Bill Murphy.

Board Liaisons and related regulatory agency employees: Brian Begley, Stephanie Brock, Chris Travis (on phone), and Brian Lainhart (on phone).

DOE and subcontractors present: Jennifer Woodard, Megan Mulry, Rich Bonczek, Bruce Ford, Steve Christmas, Eric Roberts and Jim Ethridge.

Public: Ciara Sauer and Mike Turnbow.

Roberts opened the meeting, introduced the topic for the meeting, and called for introductions. He then turned the meeting over to **Bonczek** for a presentation on Data Quality Objectives.

Roberts asked what “yellow water” was. **Bonczek** said that it was process water from the Kentucky Ordnance Works (KOW) that probably had a lot of sulfur in it and was discharged to Little Bayou Creek. **Roberts** then asked if the creek showed elevated levels of sulfur. **Bonczek** said that it did not.

Murphy asked if the pipe used to discharge the process water at the KOW site was still there. **Bonczek** indicated that it was still there. **Murphy** asked where the KOW site was located. **Bonczek** pointed out the location on the aerial photo that was used in the presentation.

Murphy asked why the two areas shown were excluded from the rest of parcel A being considered for transfer. **Bonczek** said that those areas were previously identified as Solid Waste Management Units (SWMU) and have not gone through the clearance process for SWMUs to be included in the transfer. **Woodard** added that even if they were released for transfer, they would be transferred through a different process.

Brock asked if the SWMUs would be roped off in some way if the parcel would happen to be transferred to the West Kentucky Wildlife Management Area. **Bonczek** indicated that it might be fenced off. **Kemp** commented wouldn't it be beneficial for the transfer if DOE and the Corps of Engineers to work to find a resolution on cleanup of the SWMUs. **Woodard** said that the discussion on this topic included the state regulators also, but the Corps of Engineers has the first obligation to clean

up the area. **Kemp** then asked why the Corps of Engineers were dragging its feet. **Begley** added that the Corps of Engineers were stalling because supposedly there was a responsible party from the 1940's that was still operating.

Clayton asked if the parcel, when transferred, could be used to build housing. **Bonczek** said that with a clean parcel transfer, yes you could do that. **Clayton** then asked how they would access the property. **Bonczek** said that he did not know. **Clayton** added that she assumed that the wildlife management area would give that person an easement to access the property.

Roberts asked for an explanation of the 229 boundary and the "57" area. **Woodard** explained that the 229 boundary was the limit of public access to the plant area, except for going through the gate and gaining security access. She added that the "57" area was the old limited access area but now was under control of the West Kentucky Wildlife Management Area. **Woodard** then said that a member of the public could gain access to the parcel being considered for access through roads on the wildlife management area without having plant access.

Woodard asked why apple orchards had high levels of arsenic. **Bonczek** said that arsenic was used as an insecticide.

Roberts asked if the parcel under consideration for transfer was under lease to the wildlife management area. **Bonczek** indicated that some of it was under lease. **Roberts** then asked if the two knockout areas of the parcel were presently marked by signage. **Bonczek** said that he did not know. **Woodard** said she did not think the area was marked. **Begley** said he thought the overall line was marked somehow but no signage. **Mulry** said that the trickling facility was fenced. **Brock** asked if the whole knockout area was not fenced and open. **Bonczek** said that yes you could walk into it.

Bonczek committed to showing photographs of the area for the next subcommittee meeting.

Brock questioned informing a potential buyer of the parcel what the knockout area would look like after transfer. She indicated that she thought DOE would have to let the people/person acquiring the parcel if a "20-foot cinder block wall" was going to be built around the area. **Bonczek** said that no they didn't have to tell them that. **Ford** added that not all property has a physical divider between areas of property and that the reason the trickling facility had a fence was because that it was a low spot and was to protect people or animals from falling into the facility.

Begley said who would want to buy the parcel if it was divided by the knockout caused by the yellow water line. **Bonczek** said that people had bought property in the past with similar situations.

Brock asked how it was determined that future use of the property did not anticipate use of the groundwater. **Bonczek** indicated that there was normally a restriction on groundwater use in the deed when DOE transfers property. **Brock** then commented that whoever gets the property, they are not free to do whatever they want with the property. **Bonczek** said that there were restrictions on use. **Clayton** asked why property on the west side of the access road to the plant was not considered for transfer. **Woodard** said that there was not that much property there owned by DOE.

Brock asked if the parcel moving forward was identified as A1. **Bonczek** indicated that it was.

The meeting adjourned at 6:20 pm.



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Paducah Gaseous Diffusion Plant Citizens Advisory Board Risk and Communication Subcommittee Session Summary October 17, 2019

The Citizens Advisory Board (CAB) Risk and Communication subcommittee met at the West Kentucky Community and Technical College in Paducah, Kentucky on Thursday, October 17th at 6:35 p.m.

Subcommittee members present: Phil Brown, Cindy Butterbaugh, Don Barger

Board members present: Bill Murphy, Mike Kemp, Fran Johnson, Celeste Emmerson

Board Liaisons and related regulatory agency employees: Brian Begley, Chris Travis (on phone), Stephanie Brock and Brian Lainhart (on phone).

DOE and subcontractors present: Jennifer Woodard, Eddie Spraggs, Steve Christmas, Eric Roberts and Jim Ethridge.

Public: Ciara Sauer and Mike Turnbow.

Roberts opened the meeting. After introducing the meeting topic, he turned the meeting over to **Butterbaugh** for a presentation.

Butterbaugh asked if there were many workers outside the West Kentucky Trade area. **Woodard** guessed that there might not be more than twenty employees from outside that area.

Brock pointed out that the \$75,000 household income meant different things depending on where you lived. She asked what it meant for in this area. **Butterbaugh** said that that was a valid point and they would need to consider that fact when developing the message to the public. **Brock** asked if everyone thought that \$75,000 would be a good household income. Everyone agreed that it would be about right for a family with one child.

Clayton asked if the “working women” listed on the information presented were professional level workers. **Butterbaugh** said that it was any woman working outside the home.

Roberts asked what the distribution number was for the Paducah Sun. **Butterbaugh** was not sure but added that the number was skewed because for distribution of a free issue on Thursday’s.

Butterbaugh pointed out that direct mail was not the way to inform the public any more like it was in the past. **Woodard** said that direct mail was the way DOE’s regulations stipulated to inform the public, adding that they were out of date. **Roberts** asked where everyone was seeing political ads.

Butterbaugh said Facebook. **Roberts** added that was because the ads could be targeted to a specific group. **Woodard** asked if information from the West Kentucky Trade Area could be displayed using

different age categories. **Butterbaugh** pointed out that that information was listed on another page of the information presented. **Kemp** commented that it might be helpful to track the age ranges related to how long they have lived in the area.

Brock commented that she thought that using social media would be the best avenue to inform the public. **Butterbaugh** pointed out that most people receive their news through television.

Begley added that the results from a targeted survey to plan neighbors were in the site's Community Relations Plan and might be of use in determining how to inform the public.

Butterbaugh said that the committee developed a three tier approach to informing the public about the groundwater success. They included:

Tier 1

- a 30 minute program for tv and Youtube
- 2-3 minute supporting videos developed from the 30 minute program
- direct mail

Tier 2

- Print insert for the newspaper
- Featured articles in local magazines
- Public radio interview

Tier 3

- Booth at community events
- Partner with a science educator

Clayton asked if everything had to be cleared through DOE. **Woodard** said "absolutely". She added that there would be no impromptu comments, and everything had to be reviewed and approved before being used. **Woodard** also said that a video is doable, but it would just have to be approved before being shown.

Clayton asked if there would be a time in the future where residents north of the plant site could use water from their wells. **Woodard** said maybe in 100 to 200 years.

Butterbaugh asked **Woodard** what she would recommend as the radius from the plant for direct mail. **Woodard** said she just wanted the committee to consider who the audience for the information would be.

Brown asked **Woodard** if the wind was considered when determining the zone of concern around a release. **Woodard** indicated that the zone changed with the direction and intensity of the wind. **Brown** then asked if the public warning systems were in operations. **Woodard** said that they were.

Murphy said that the public radio station at Murray were always looking for topics to develop into a featured article. **Butterbaugh** said that that would be easy to do after the copy was approved by DOE. **Murphy** asked if there would be a copyright issue. **Butterbaugh** said there would not be.

Woodard asked if the Tier 1 suggestions were the most effective options. **Butterbaugh** said that they were the ones with the most impact.

Brock asked if Paducah had ever presented anything at the Kentucky State Fair. **Woodard** said that as far as she knew, that had not been done. **Butterbaugh** suggested having a booth at the county fair.

Johnson suggested developing a speaker's bureau to provide speakers to local organizations meetings.

Butterbaugh asked everyone to look up the videos produced for the Hanford site to see what could be done.

Christmas suggested addressing the members of the public considered to be included in Generation Z when developing videos or information to be presented to the public. He added that the plant might need to be referenced by the different names that the public would recognize (DOE site, USEC, etc.)

Butterbaugh said that she thought it would be good to develop something that could be used in the area classrooms if there was enough money to do so. **Woodard** indicated that using different names for the plant site would not be welcomed by DOE. She added that DOE was trying to standardize the name to be "the DOE site."

Roberts asked the group to think about the information presented and see if there are other things that might be done to promote the success of the site. **Woodard** asked that the ideas for the groundwater success be developed first.

The meeting adjourned at 8:00 pm.



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Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes November 21, 2019

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Board members present: Bill Murphy, Mike Kemp, Victoria Caldwell, Fran Johnson, Celeste Emerson, Carol Young, Nancy Duff, Judy Clayton, Blake Summarell, Don Barger and Phil Brown.

Board Members absent: Patrick White, David Homra, Shay Morgan and Cindy Butterbaugh.

Board Liaisons and related regulatory agency employees: Chris Jung, Brian Begley (on phone), Brian Lainhart (on phone), Chris Travis (on phone), Tabitha Owens (on phone), Kentucky Division of Waste Management.

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: Mike Turnbow, K. Amulya, Shelby Locke, Ashley Edwards, Austin Green, Murray State University.

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

Woodard then provided DDFO comments. She reported that a continuation of the Federal Budget Continuing Resolution (CR) had been sent the President Trump for approval. She also added that work at the PGDP site is not impacted by the CR. **Murphy** asked when DOE Secretary Perry would be stepping down. **Woodard** indicated that that probably would happen by the end of the year. **Barger** asked if the Paducah site would have any trouble replacing workers with years of experience when they retire. **Woodard** said that it had been and would continue to be an issue. She added that there was recruiting ongoing to fill the worker gap. **Johnson** asked if anything was being done to contact high school graduates to interest them in needed fields of study. **Woodard** indicated that site contractor employees had visited area schools to inform students of opportunities.

Smith thanked the members for their attendance and involvement in the Board.

Murphy thanked **Smith** and **Woodard** for helping to set up a tour of the plant site by University of Kentucky engineering students.

Begley then provided liaison comments. He said that Kentucky had just issued their 2018 Annual Report and they were getting closer to issuing their 2020 Sampling Plan. He added that they were reviewing the 2020 Site Management Plan.

Woodard then provided a site update presentation. **Murphy** asked if the office trailers at the site were radioactively contaminated. **Woodard** said that they were not. **Murphy** asked if the pipe crawler could move around a ninety degree turn in the pipe. **Woodard** said that it depended on the size of the pipe. **Roberts** asked for an explanation of the term “shine”. **Woodard** said that it was the indirect radiation that would be received from a piece of equipment. **Murphy** added that “shine” was reflected infrared radiation from surrounding objects. **Young** asked what the cost was to ship a converter to Nevada for disposal. **Woodard** said that it was about \$158,000 to ship the first converter and that was high because it was the programmatic cost added for the first shipment. She added that the cost would go down in the future. **Brown** said that the weight of each converter was about 66,000 pounds. **Murphy** asked if there was enough space inside the converters to add material that was slated for disposal. **Woodard** said that there was no room to add material in the converters. **Caldwell** asked what a “cold trap” was. **Woodard** said that the cold traps were used to precipitate out the uranium for processing from the UF6. **Murphy** asked if the C-710 and C-400 buildings would be heated this winter. **Woodard** said that C-710 would be heated this winter and C-400 is empty so it would not be heated. **Murphy** then asked if the C-333 process building would be ready for demolition at the end of this contract period. **Woodard** said that that was the goal.

Murphy asked for comments on the recent EM SSAB Chairs meeting. **Barger** said that after attending this Chairs meeting, he realized that the Paducah site was lucky considering the level of problems that some of the other sites had. **Barger** also complimented **Roberts** on his task of serving as facilitator for the meeting. **Caldwell** pointed out that one of the topics of discussion at the meeting was dealing with transporting waste for disposal. **Smith** said that the Federal officials from DOE headquarters commented that some of the discussions from some of the other Boards really were not in the scope of the Board.

Murphy then introduced the two Recommendations from the Chairs meeting. **Caldwell** and **Barger** presented their comments about the Recommendations. The first Recommendation focused on the budget and the second one focused on transportation and disposition. Both Recommendations were passed by a vote of 11 to 0.

Murphy then introduced the 2020-2021 CAB Workplan for discussion and vote. **Barger** moved the **Workplan** for vote and it was seconded by **Johnson**. The Workplan was passed by a vote of 11-0.

Murphy then turned the meeting over to **Roberts** to introduce elections of Board leadership. **Roberts** reviewed the responsibilities of Board Chair. **Johnson** nominated **Barger**. **Murphy** then moved to close nominations. **Barger** was then elected Chair.

Roberts then introduced electing Board members to the Executive Committee and reviewed the responsibilities of being on the Committee. He then asked the members to write down three members to serve on the Committee. **Smith** and **Ethridge** then tallied the votes. Board members elected to the Executive Committee for the coming year were **Barger, Caldwell, Murphy, Clayton, Johnson** and **Brown**.

Murphy adjourned the meeting at 7:25 pm.

Approved by **William E. Murphy, Chair**



William E. Murphy

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