

### PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

MINUTES OF THE THURSDAY, JUNE 20, 2024, CAB BOARD MEETING • 5:30 PM.

**Location:** Emerging Technology Building, WKCTC, Paducah, Kentucky

**Citizens Advisory Board (CAB) Members Present:** Don Barger, Fran Johnson, Billy Bob Clark, Gaye Brewer, Ben Stinnett, Reese Henderson (TEAMS), Rodney Hill, Riley Willett (TEAMS), Clint Combs (TEAMS),

**CAB Members Absent:** Gaylon Grubbs, Myron Wessel, Eric Butterbaugh

**U.S. Department of Energy (DOE) and Contractors:** DOE: April Ladd, Buz Smith; EHI Consultants: Hayly Wiggins, Julie Galloway; ETAS: Zachary Boyarski, Michelle Jones, Marshall Jenkins, Jaden Mott, Trenton Jones, Ethan Roberts, Victoria Vukadinovich, Leon Lin

Liaisons: Division of Waste Management: Sonja Smiley (TEAMS); Environmental

Protection Agency: Victor Weeks (TEAMS), Kentucky Dept of Energy and

Environment: April Webb (TEAMS)

**Attendees:** one member of the public

Facilitator: Eric Roberts, EHI

Approved by Don Barger, Board Chair

Signature on file

Don Barger

**Call to Order:** 5:31 pm Don Barger, CAB Chair.

#### Barger:

Welcome to the June Board Meeting. We appreciate your attendance this evening.

Attendees introduced themselves.

**Roberts:** Last year, the CAB made a recommendation to DOE on ways to improve the internship program. One of the points of the recommendation was to increase the number of internships offered for 2024. Michelle Jones is here from ETAS to share some information about the six ETAS interns they have this summer, and those interns are here with us to share some of their experiences with you.

Jones: The Internship program with ETAS is a 10-week program from May 22 through July 26. Two interns are returning for a second year, and one of last year's interns has been hired permanently. In the US, 56% of all interns are employed fultime, and 16% are hired part-time with the company they intern with. Each of our interns is assigned a mentor and a functional lead, taking their learning objectives and customizing them based on their career goals. Each intern is assigned a high-priority project, will create a professional portfolio highlighting their intern experience, and give a ten-minute presentation to PPPO management at the Lexington office. Interns also have weekly activities, including trips to Lexington, site tours, and involvement in the Paducah Young Professionals through the Paducah Chamber of Commerce.

ETAS Interns introduce themselves.

**Marshall Jenkins**: I am a rising Junior at the UK College of Engineering, studying Mechanical Engineering. I am the project controls intern, and my project is running COBRA Reports. I use documents provided by FRNP to compile them into the Monthly Project Review, which I present to April Ladd, who then presents it to PPPO in Lexington.

**Ethan Roberts:** I am a general engineering student at the University of Mississippi and a technical support services intern. My main project is PFAS investigation on site.

**Victoria Vukadinovich:** I am the visual communication intern and my project is creating a video for DOE documenting the internship program, including photos, videos, and interviews.

**Leon Lin**: I am studying Computer Science with a concentration in Computer Technology at Eastern Kentucky University. I am a senior. I am a network engineering intern at ETAS, focusing on identifying and solving any vulnerabilities in the network and ensuring all software is up to date.

**Jaden Mott:** I am a senior at Murray State University studying Occupational Safety and Health. My project is inspecting culverts on-site, determining which ones need maintenance or replacement.

**Trenton Jones:** I am a Senior at Murray State University studying Cybersecurity Management. I was an intern with Swift and Staley last year. I working on a project with Leon, updating computers and inventory.

**Roberts:** Do you have any questions for the interns?

<b>Johnson</b> : I notice only one young lady	<b>Smith:</b> There are two female DOE
in the group of interns. Are there any	Interns and eight females out of the
more female interns?	twenty interns at FRNP.
<b>Roberts:</b> What have you learned that	<b>Mott:</b> I have learned so much more
surprised you at a corporate office	than in school. Learning on the job site
rather than the classroom?	is entirely different from reading what
	is in a textbook. More effort is required,
	and I hold myself more accountable to
	do a good job, whereas, in the
	classroom, all I am working toward is a
	grade or a test.
	<b>Jenkins</b> : I have heard you never stop
	learning, but I had no idea how much I
	would learn from this internship. Every
	day is something new and different.
	<b>Roberts:</b> I have found that even
	without a teacher to give specific tasks
	and deadlines, I have learned how to
	self-pace and motivate to be productive
	each day.
Johnson: Have you found anything	Mott: Each employer has different
different or incorrect from what you	standards. I am studying OSHA, but
were taught in school?	DOE's standards are higher than that.
	Very different than the OSHA standards
	I learned in school.
	Longs In computer touth coles there is a
	<b>Jones:</b> In computer textbooks, there is a fundamental solution to a problem, but
	in the real world, every company or

department can have different
networking needs.

#### Review of Agenda

DOE Comments provided by Buz Smith: It is exciting to have all the new interns at the site.

Liaison Comments: none

Administrative Issues: none

#### Presentation-April Ladd,

Deactivation and Remediation FY24 Project Update

Question/Comment:	Answer:
Brewer: If you are not taking down C-400 until at least 2029, what are you doing there until then?	Ladd: While we wait for a decision on onsite waste cell disposal, we still have lots to do at C-400. We continue to sample the area of C-400. We plan to install one or two new wells for pump and treat facilities and will update the existing pump and treat facilities. We may find we need to optimize the current pump and treat wells due to the retreat of the contamination plume, moving the wells closer to the contamination areas. We will sample the fire training area to learn more about PFAS contamination. We will also use tracer particles from the fire training area through the well network to ensure 612 captures the flow from that side of the plant. We will also investigate new and emerging PFAS capture and disposal methods. Many of these techniques depend on funding.
<b>Brewer</b> : How thick is the converter shell?	DOE provided this answer after the meeting. The Converter shells are 5/8" thick
<b>Brewer:</b> Will they be able to reuse the removed rail?	Ladd: Since this is light rail, it will most likely be sold for scrap and not reused.

**Roberts:** This presentation gives the CAB a good scope of what is going on at the site, more than 95% of people in the area. It's essential you have this kind of knowledge because you are providing advice to DOE, and you are out in public so you can share this knowledge with your friends and neighbors.

**Barger:** Were there any public comments?

**Roberts:** There were none. If anyone has public comments, you can email Buz Smith within the next week at (270) 441-6821 or <a href="mailto:robert.smith@pppo.gov">robert.smith@pppo.gov</a> and we will add them as attachments to the minutes.

Barger: Are there any other comments tonight?

**Barger:** CAB members should look for more information on the July CAB site tour via email. Thank you, interns, for sharing your experience, and we wish you luck in your careers. We hope your careers are right here in Paducah.

Barger adjourned the meeting at 7:15 pm.



Chair

Don Barger

Vice-Chair Fran Johnson

June 20, 2024

#### **Board Members**

Gaye Brewer
Eric Butterbaugh
William Robert Clark
Clint Combs
Gaylon Grubbs
Reese Henderson
Rodney Hill
Ben Stinnett
Myron Wessell
Riley Willett

April Ladd DOE DDFO

 $\label{eq:Buz Smith} \textit{DOE Federal Coordinator}$ 

#### **Board Liaisons**

April Webb Division of Waste Management

Victor Weeks Environmental Protection Agency

Mike Hardin Fish and Wildlife Resources

Stephanie Brock Radiation Control Branch

#### Support Services

EHI Consultants, Inc.
Emerging Technology Center
4810 Alben Barkley Dr.
Paducah, KY 42001
Phone 270.554.3004
www.energy.gov/pppo/pgdp-cab
info@pgdpcab.org

#### June 2024 Citizens Advisory Board Meeting Agenda

5:30 pm

Call to order, introductions

**DOE Comments** 

**Federal Coordinator Comments** 

**Liaison Comments** 

**Administrative Issues** 

**Presentation** 

**Paducah Site Overview** 

**Public Comments** 

**Final Comments** 

Adjourn



PORTSMOUTH PADUCAH PROJECT OFFICE

# Deactivation & Remediation FY24 Project Update

Citizens Advisory Board Meeting
June 20, 2024
Presented by April Ladd, DDFO





# **FY24 Strategic Vision**



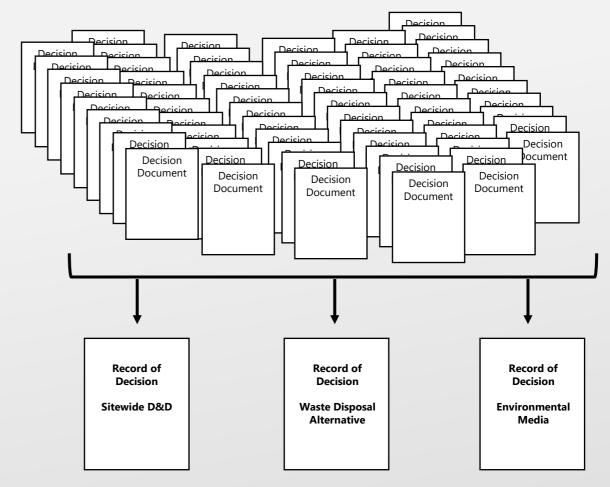
- Realign regulatory decision documents with long term cleanup mission
- Continue C-333 Process Building deactivation
- Continue "rightsizing" the site's infrastructure to meet future deactivation and demolition needs



# **Decision 2029 Progress**

## **Decision 2029 Goal**

Establish a streamlined regulatory framework focused on a comprehensive sitewide cleanup for PGDP that facilitates a reindustrialization endstate attractive to industry.



Decision 2029 will integrate the multitude of current decision documents into a consolidated set of FIVE distinct decisions focusing on THREE



## **Decision 2029 Progress**

▶ A Regulatory Decision Integration team of experts that have been successful in developing and implementing similar approaches at other DOE sites have been assembled at the Paducah Site to augment the existing efforts and support DOE as planning continues.

## **Lessons Learned**

The team will draw upon the successes achieved at other DOE sites that have developed similar strategies, used similar tools, and effectively implemented those approaches; and tailor them to the specific needs of the Paducah Site.



# **Decision 2029 Progress**

2024

#### Time...

# 2029

#### **Near Term**

- Develop Overall Strategy / Approach
- Establish Scope of Each Decision
- Work with State / Federal Regulators
- Work with Citizen's Advisory Board / Community / Stakeholders
- Remedial Investigations (Field Work) and Feasibility Studies
- Understand Design Considerations

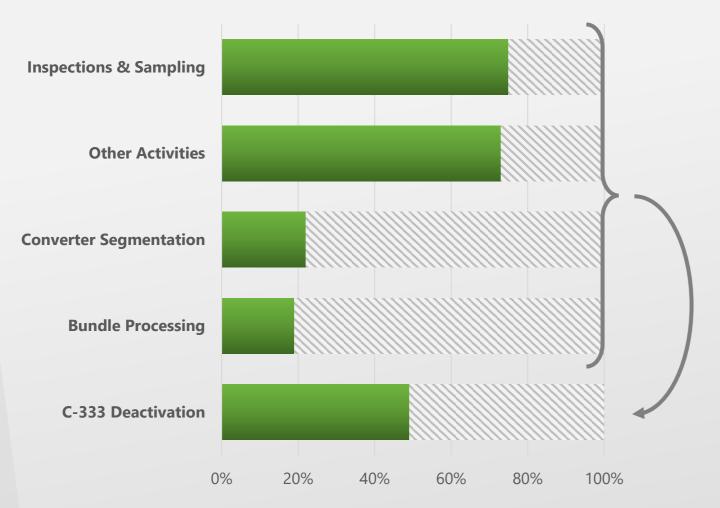
## **Goal by 2029**

 Sign three Records of Decision & Begin Large Scale Cleanup



## C-333 Deactivation





- Completed preparation to support characterization
- Continuing disconnection of converters for segmentation in the material sizing area and bundle compaction in the bundle size reduction area
- Continuing cell preparation through sampling, scanning, inventory and visual inspection



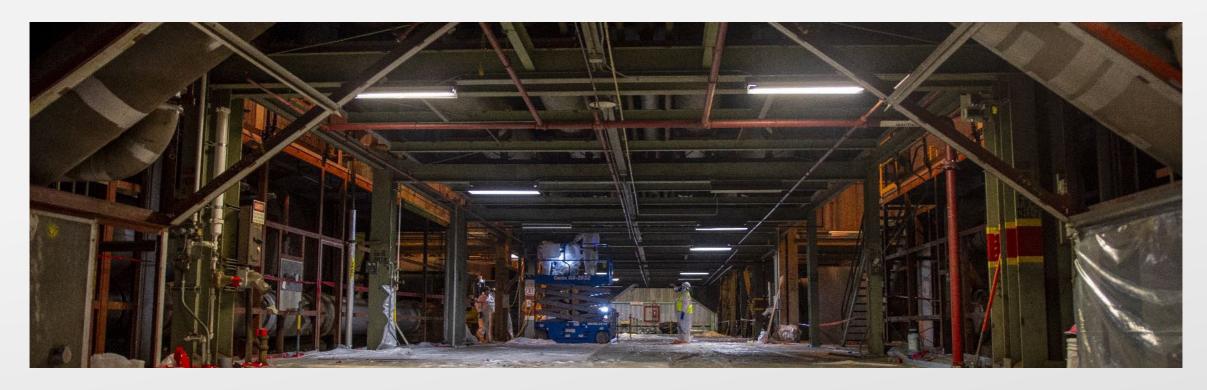
## C-333 Deactivation

- Utility isolations complete on C-333 Process Building Surge Drums
- Collection of samples complete of surge drums and piping
- RCRA waste removal complete
- Surge drums have been determined to be Non-Fissile





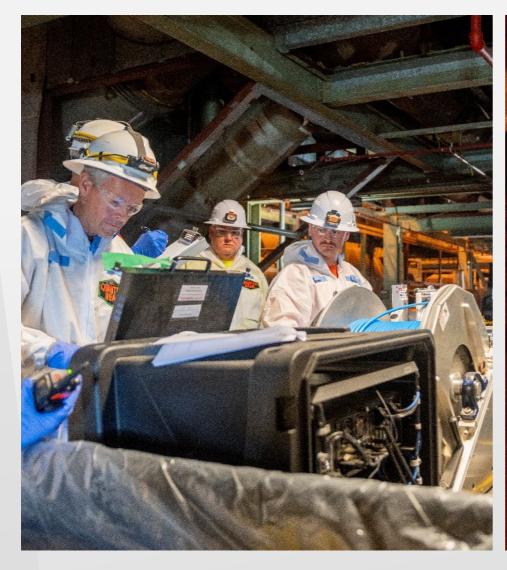
# C-333 Deactivation: Unit Bypass



- ▶ The Unit Bypass consists of more than 100 valves and over 3 miles of process gas piping connecting individual process components.
- Characterization sampling and deactivation activities to prepare for future building demolition continue with nearly 60% of completed.



# **NDA & Characterization**







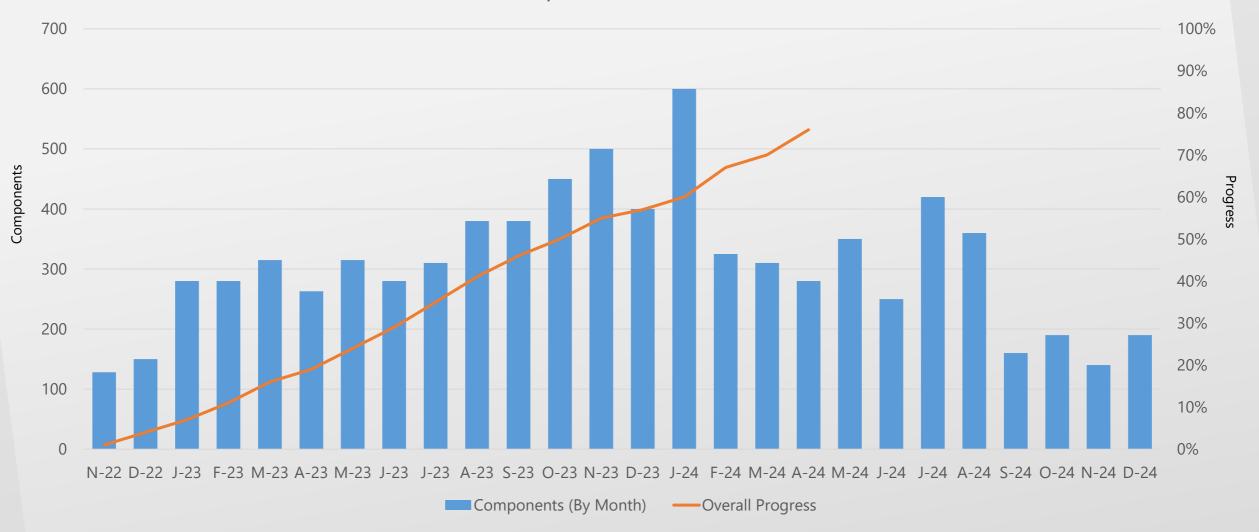






## **NDA & Characterization**

NDA Scans and Deposit Identification in C-333





# C-333 Material Sizing Area



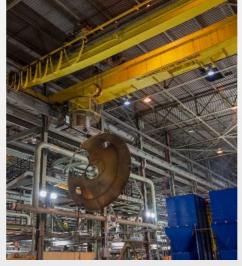
- Continue to utilize lessons learned and institutionalize feedback to improve both safety and production.
- Completed segmentation of 56 converters. Completed NDA measurement and crushing of 43 bundles to-date.
- ▶ DOE EM milestone to process 100 converters in 2024.



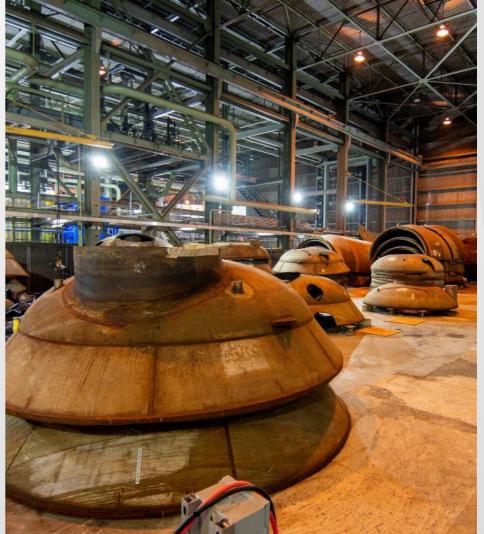
# C-333 Material Sizing Area













# C-333 Material Sizing Area





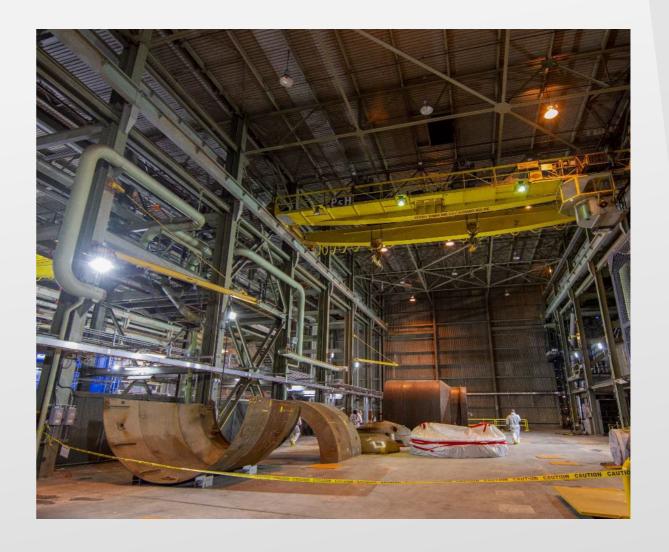






# C-333 Material Sizing Area: Lessons Learned

- Initiated night shift to optimize resources and increase the efficiency of converter segmentation
- Reorganized crews to use two cutters on end caps and horizontal cuts; decreasing converter time on roller stand.



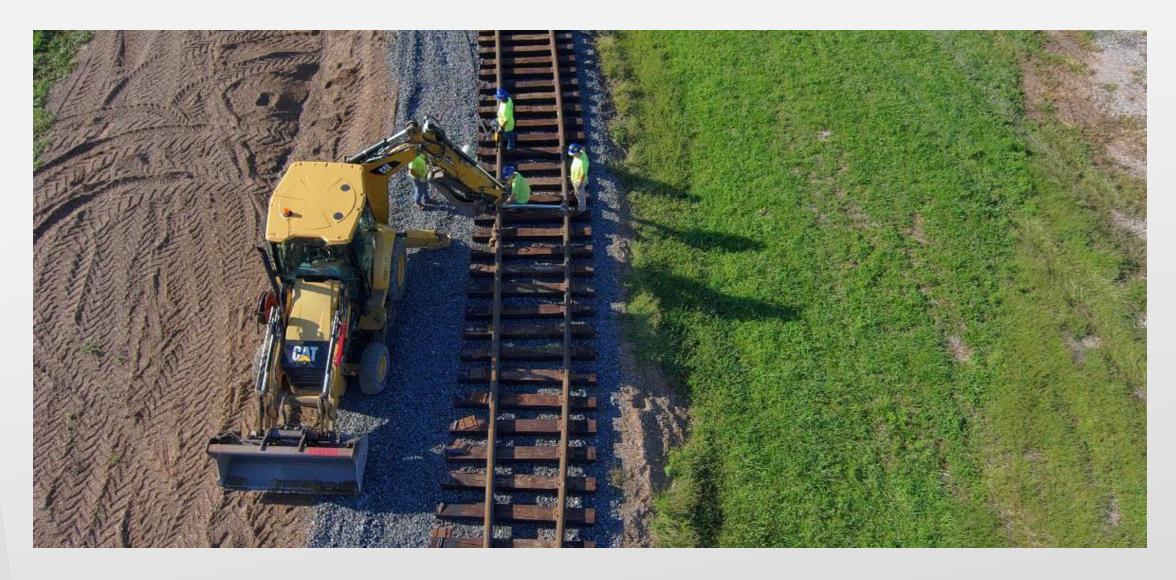


# **Upgrade Street Lighting Systems**





# **Railroad Maintenance**





# **C-211 Security Training Facility**





# **Historical Records Project**





# R-114 Disposition







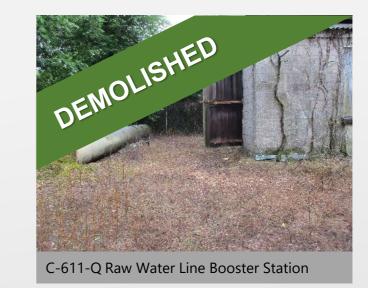
- ▶ Met PPPO Priority Milestone to dispositioned 1M lb. of R-114 in FY 2024
- ▶ Ahead of schedule to meet DOE-EM1 CY 2024 goal (~ 670K lb.)

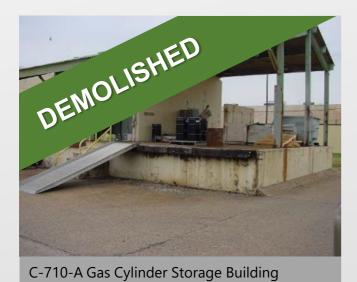


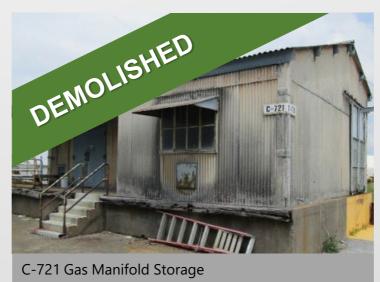
# **FY24 Facility Demolition**

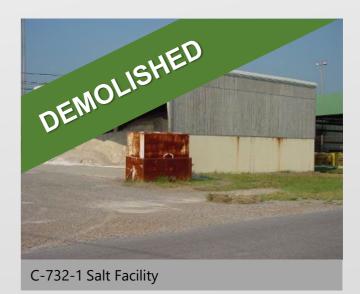






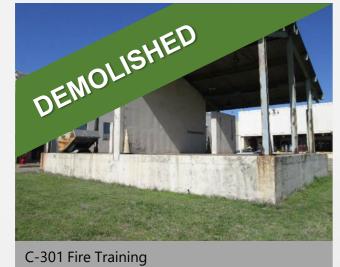




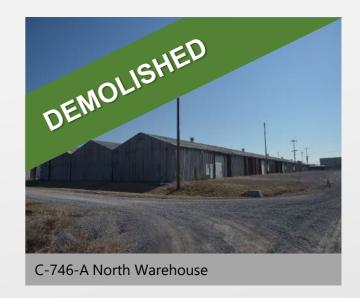


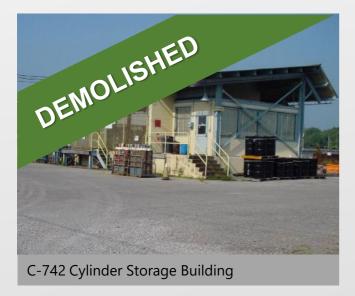


# **FY24 Facility Demolition**











# Additional facilities not pictured

- C-730-T01
- Storage trailer



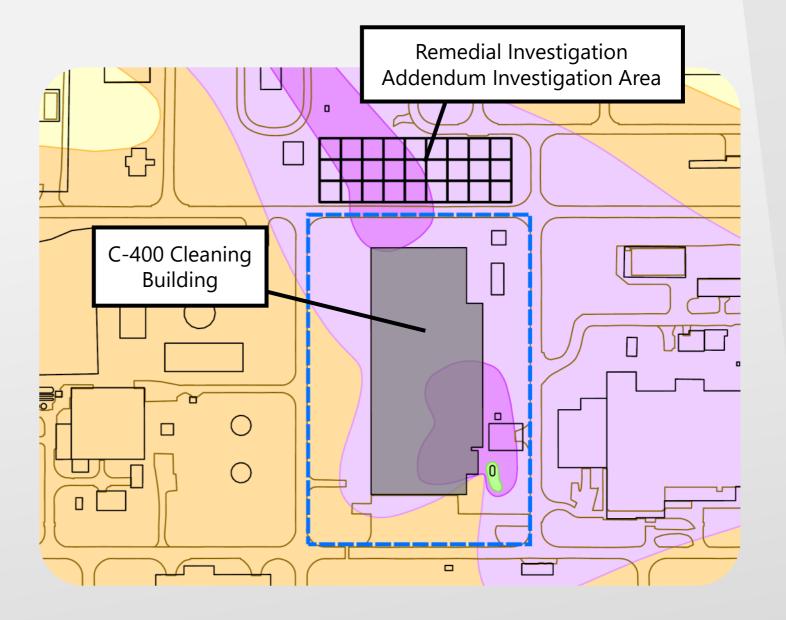
# C-611-R Demolition





# C-400 Complex

An investigation will be conducted for a subsurface TCE source area located north of the C-400 Complex Operable Unit (in the Northwest Plume).





# C-400 Complex

- Addressing comments on the draft Remedial Investigation Work Plan Addendum issued to EPA and KY March 2024.
- ▶ The final report is due to EPA and KY June 2024 for review and approval.
- ▶ Fieldwork is scheduled to begin in the Fall of 2024.
- ▶ Results from fieldwork will be presented to EPA and KY in a Remedial Investigation Addendum due to EPA and KY by June 2025.





## **Property Transfer**







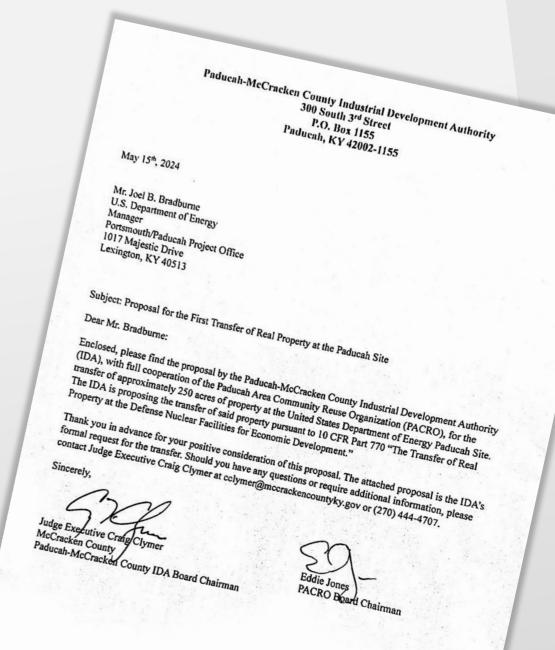
## **Personal Property Transfers:**

- Transferred CAT 637 Pan Scraper to Paducah Area Community Reuse Organization (PACRO)
- Transferred John Deere Compactor to PACRO
- In the process of transferring 10 chassis trailers that would potentially go to PACRO



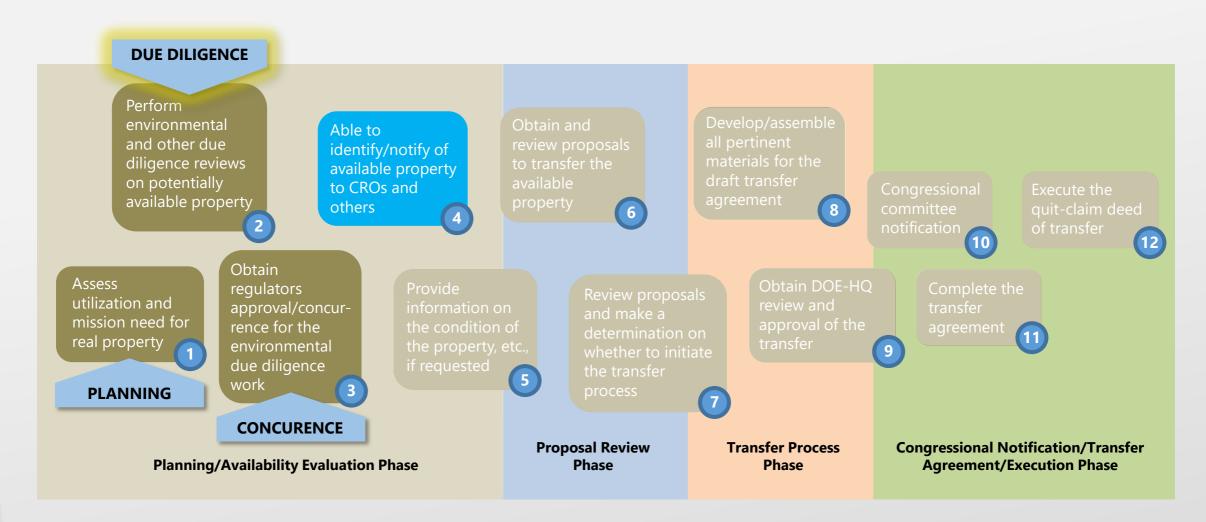
## **Land Transfer**

- The Paducah-McCracken County Industrial Development Authority PACRO requested land from the Paducah Site to be transferred back to the community.
- The transfer request was to acquire a 250-acre parcel of land, a crucial step toward the future reindustrialization of the site.





## **Land Transfer Process**

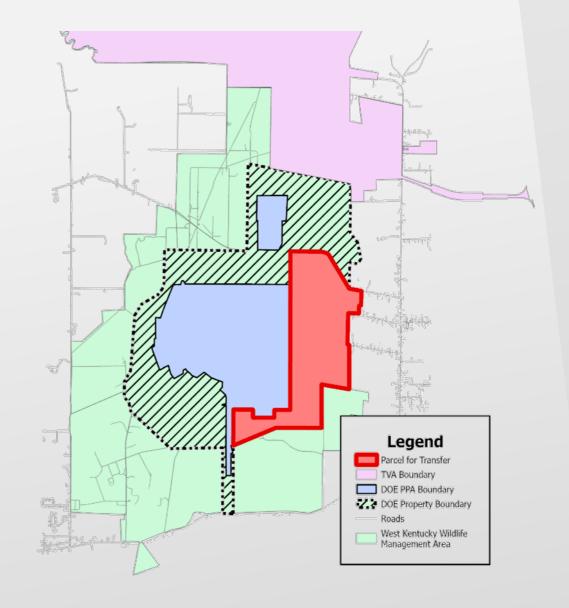


DOE PPPO Property Transfer Process Steps (PPPO-3329827)



## **Land Transfer**

- Environmental Baseline Survey currently being developed to support transfer.
- Environmental Baseline Survey documents the due diligence conducted on the parcel and demonstrates that the property is eligible for transfer.
- DOE will submit the Environmental Baseline Survey to regulators in the Fall 2024





# **DUF<sub>6</sub> Status**

#### **Accomplishments:**

- Identified as recipient for the KY Governor's Safety Award
- Exceeded conversion goals for Sept-March
- ▶ Installed valves on CV-19 cylinders to prepare for future processing
- Installed new flow meters to aid in increased production
- Completed LED light upgrades

#### **Path Forward:**

- Continuous conversion operations
- Additional plant improvements to address reliability issues







# **Oxide Shipping Status**





- Shipped 186 oxide cylinders to offsite disposal site
- ▶ Plan to ship additional 60 cylinders by end of September 2024
- ▶ Plan to ship another 60 by December 2024
- Considering shipping heeled unique, non-standard cylinders



## **Oxide Shipping Facility**

### **Accomplishments:**

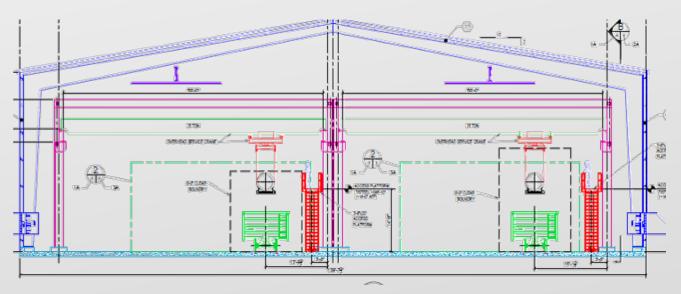
- Completed Phase 1 for site preparations
- Fabricated and installed rail turnouts
- Installed rail spurs

### **Path Forward:**

- Execute Phase 2 for road relocation and railroad track extension
- Relocate service road
- Connect railroad track







www.energy.gov/PPPO 31



# **QUESTIONS**

www.energy.gov/PPPO 32



### PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

MINUTES OF THE THURSDAY, MAY 16, 2024, CAB BOARD MEETING • 5:30 PM.

**Location:** Emerging Technology Building, WKCTC, Paducah, Kentucky

**Citizens Advisory Board (CAB) Members Present:** Don Barger, Fran Johnson, Billy Bob Clark, Gaylon Grubbs, Gaye Brewer, Clint Combs, Ben Stinnett (TEAMS), Myron Wessel, Reese Henderson (TEAMS)

**CAB Members Absent:** Rodney Hill, Elizabeth Wilson, Riley Willett, Eric Butterbaugh, Andrew Paul

**U.S. Department of Energy (DOE) and Contractors:** DOE: April Ladd, Buz Smith; EHI Consultants: Hayly Wiggins, Julie Galloway; ETAS: Zachary Boyarski; Four Rivers Nuclear Partnership: Myrna Redfield

**Liaisons:** Division of Waste Management: Sonja Smiley, Mary Evans; Environmental Protection Agency: Victor Weeks (TEAMS), April Webb (TEAMS); Kentucky Dept of Energy and Environment: , Bailey Galiher (TEAMS)

**Attendees:** Paducah Chamber of Commerce: Sandra Wilson; Bacon Farmer Workman: Maegan Mansfield; Aleut Federal: Kelly Ausbrooks

Facilitator: Eric Roberts, EHI

Approved by Don Barger, Board Chair

Signature on file

Don Barger

Call to Order: 5:33 pm Don Barger, CAB Chair.

#### Barger:

Welcome to the May Board Meeting. We appreciate your attendance this evening.

Attendees introduced themselves.

#### Presentation-Sandra Wilson and Maegan Mansfield,

Paducah DOE Site-Road Map to the Future

Question/Comment:	Answer:
Henderson: Is there part of the study looking into wildlife damage or risk for the site?	Mansfield: Not at the moment, but there are lots of new laws and regulations in the nuclear regulatory level overseeing clean energy technology. The Nuclear Regulatory Commission is responsible for those permits and they will conduct wildlife studies to ensure safety.
<b>Johnson</b> : You have done a wonderful job with the study so far and are to be commended.	<b>Wilson:</b> We are thrilled the DOE entrusted us with this grant to study the best use for the site following the cleanup.
Combs: Is there any concern from the contractors as reindustrialization begins, they could lose the workforce to those new industries coming in?	Wilson: We look at it as an opportunity to increase the total number of jobs available for all the workforce at both the DOE level and private industry.
	Mansfield: We want to bring new people to Paducah. Some of the trained employees from Portsmouth or Oak Ridge could relocate to assist with the workforce
	Ladd: We know we will have to ramp up hiring at the DOE and contracotr level as we continue the cleanup. New industry just means more opportunities for jobs.
	Wilson: We have an 8th-grade program called LAUNCH where they can go and see all the different careers in the area.  DOE and contractors have a big presence

there to educate them. We started an educator externship program with local teachers to go to the site and learn about what kinds of jobs will be available to encourage students to train and stay local as they enter the workforce. I see the need to ramp these programs up to build the local workforce for the future.

**Ladd:** The word is getting out. We are getting more applications for the internship program each year.

April Ladd provided DOE comments: Last week, we completed 1 million pounds of R-114 shipped for FY24 and are on track to meet the EM goal of 1 million pounds early this calendar year. For footprint reduction, we've demolished seven of the planned facilities to date. We have segmented 36 converters and 33 bundles in storage. The new training facility should be completed by mid-June. The Water Tower is scheduled for demolition on May 31.

Buz Smith provided additional comments: The company contracted to demolish the Water Tower was called away to assist with the bridge collapse in Baltimore, but they are back working with us. The demolition will be videoed so we can show it at our June meeting.

**Barger:** Any liaison comments?

Weeks: None from EPA at this time.

**Roberts:** Do any of our representatives want to share their thoughts on the EM SSAB Spring Chairs Meeting?

**Barger:** It is always a privilege to attend these meetings on the CAB's behalf. It is a wonderful time to meet with CAB/SSAB Chairs from other sites to learn how much we differ and have in common from site to site. The tours were eye-opening. We saw Fernald, a completed cleanup project, Portsmouth, nearing the end of the cleanup mission, then all we know about Paducah and where we are in the cleanup process.

*Johnson:* What stood out to me was the waste cells. They are not eyesores; you hardly know they are there. They are continually monitored and maintained. People should understand possible waste cells will not be mounds of waste but buried, monitored, and safe cells where only low-level waste will be stored. I will be

rotating off the CAB in October, but I always enjoy attending the EM SSAB Chairs meetings and wish you all the opportunity to attend in your CAB future.

*Combs:* Seeing Portsmouth, a site similar to but further along than ours, was a wonderful experience. We also met with an organization similar to our PACRO and heard from the public about their concerns and hopes for the site. It was exciting to see what the future of our site can be for our community.

**Roberts:** We have an EM SSAB Chairs meeting recommendation to vote on today. It is on the green piece of paper for you tonight. In short, the EM SSAB website managers would like to keep the website a current news-type site without any repository for past meeting minutes, recommendations, presentations, etc., for any of the DOE sites. The Chairs in the room felt strongly this was not the correct management for the site and drafted this recommendation for Kelly to submit to EM.

*Brewer* moved the Recommendation to be approved as is.

*Combs* seconded the motion.

**Barger:** All in favor, please signify by saying, Aye. Any opposition?

All Board members present, both in person and virtually, voted Aye, motion passed unanimously 9-0-0.

**Barger:** The motion has passed.

**Barger:** Were there any public comments?

**Roberts:** There were none. If anyone has public comments, you can email them, within the next week, to Buz Smith at (270) 441-6821 or <u>robert.smith@pppo.gov</u>. and we will add them as attachments to the minutes.

**Barger:** Are there any other comments tonight?

*Smith:* The June meeting will be a site overview leading up to the July meeting, which will be a site tour. We will make it different than the site tour you have had before.

**Roberts**: Zachary Boyarski from ETAS will bring the 6 interns to the June meeting.

**Barger:** Thank you for your attention and presence this evening.

Barger adjourned the meeting at 6:35 pm.



## PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

4810 Alben Barkley Drive • Paducah, Kentucky 42001 • (270) 554-3004 • info@pgdpcab.org • www.energy.gov/pppo/pgdp-cab

Paducah Gaseous Diffusion Plant Citizens Advisory Board Executive Committee Meeting Summary June 10, 2024

The Citizens Advisory Board (CAB) Executive Committee met virtually (TEAMS) on Monday, June 10, 2024, at 2:30 p.m.

Board Members present: Fran Johnson, Ben Stinnett, Myron Wessel

**U.S. Department of Energy (DOE) and related employees:** Robert Smith, DOE; Zach Boyarski, ETAS; Eric Roberts and Hayly Wiggins, EHI.

**Roberts** asked for feedback on the May CAB meeting and Chamber Grant presented by Megan Mansfield, and Sandra Wilson. **Johnson** said it was a good presentation and tfelt the Chamber was doing an excellent job with the grant. **Wessel** asked about the rumors of GLE buying land adjacent to the Paducah Site for a future facility. **Smith** said he is aware of the rumors, but since the land in question is outside of the Paducah Site boundaries, he is not privy to any details. Many companies have expressed interest in various parcels on and adjacent to the Paducah Site, but nothing concrete has been finalized. **Roberts** shared federal grants take a long time to produce documents and results. Sandra Wilson and the Chamber want to keep the CAB current on the grant moving forward, so there will be updates in the future as well.

**Roberts** said the June CAB meeting is scheduled for Thursday, June 20, and will be a broad Paducah Site overview by April Ladd. The six ETAS interns will attend the June meeting. There will be a site tour in July, which should mimic the June presentation. CAB members should expect communication regarding this tour planned for July 18.

**Smith** provided DOE comments. The High Pressure Fire Water Tower on-site was demolished last week in a precise fashion. In addition to the ETAS interns, there are two DOE interns, and twenty FRNP interns working on-site now. Today, the Educator Externship, sponsored by the Paducah Area Chamber of Commerce, brought twenty-five local teachers on-site to learn about the work being done at the Paducah Site and how they can encourage local students by helping them find excellent jobs at the Paducah Site. **Boyarski** shared ETAS recently established a Pathways program, an early entry program for college graduates.

**Roberts** adjourned the meeting at 3:04 p.m.









Geosyntec consultants

## Paducah Chamber – DOE Advocacy

- Paducah Area Chamber of Commerce Advocacy for business on Local, State and Federal Levels
- Annual advocacy trips to Frankfort and Washington D.C.
- Long history of funding advocacy for the Department of Energy Paducah site.
- Past four years have included a plus up of \$30 million annually, including 46 million in 2023, for the Paducah site.
- The goal of the Chamber has been to build and strengthen the relationship with DOE.





## Paducah Chamber – DOE Advocacy

- Thanks to the relationships between Paducah and DOE, the Paducah Site is only the 5<sup>th</sup> community in the country to have a permanent wall display in the DOE Forestall building in D.C.
- In 2023, the Chamber received \$2 million grant from DOE to lead the reindustrialization study for the Paducah DOE site.
  - Clean up at site will continue for another 40 years, but now is the time to begin the future.





## Road Map to the Future

- 3,600 Acre Site
  - 750 to 800 acres currently within plant decommissioning area.
  - 2,800 acres to be considered for potential development.
- The "Road Map" includes a broad study of the site including timeline and availability of parcels, and economic and workforce development potential.





## The Role of Nuclear Energy in the Future

- The Chamber intends to explore relationships established in the nuclear field to determine synergies.
- Active relationship with Energy Communities Alliance.
- Nuclear Working Group established in Kentucky.
- Passing of Nuclear Ready Community Resolutions.





## Reindustrialization Study

- Bacon Farmer Workman and Geosyntec are the consultants for the study.
- The Reindustrialization Study kicked off in September of 2023.
- The initial phase was completed in December of 2023.
- The second phase was initiated in January of 2024.
- Estimated completion of the study is 2025.





## Team Introductions



**Sandra Wilson** 

Paducah Area Chamber of Commerce, CEO

Project Director



Joe Tarantino, PE, PMP

Paducah Area Chamber of Commerce

**Project Consultant** 



Maegan Mansfield, PE

BFW Engineering & Testing

Program Manager



Stefanie Fountain, PhD, PE, PMP

Geosyntec Inc.

Deputy Program Manager



**Cathy Hickey** 

Geosyntec Inc.

Property & Asset Management Specialist



**Robert Brown** 

Geosyntec Inc.

Land Transfer Specialist



**Mark Workman** 

BFW Engineering & Testing, EVP

Project Advisor



## The Foundation of the Road Map

#### LAND TRANSFER

- Reviewing land transfer history at sister sites.
- Reviewing implementation of 10 CFR 770.
- Beginning communication for priority development with Department of Energy (DOE), other Partners and Paducah Gaseous Diffusion Plant (PGDP) cleanup and infrastructure contractors.
- Developing and capturing the land transfer process and customizing it to the community.
  - PACRO IDA parcel delegation

#### **INFRASTRUCTURE**

- SWOT Analysis of the land parcels transferable.
- Research of available utilities, ingress and egress, roads, facilities, cultural resources, wetlands, etc.
- Site-wide GIS for comprehensive evaluation of existing resources and what new assets are needed.
- Creating a conceptual master plan of public utility needs and determining DOE involvement in supporting utility development.

## SITE STRATEGY & COMMUNICATIONS

- Develop the branding and vision of the DOE Paducah Site in terms of reindustrialization.
- Establish a website centered around the future of the site, while communicating the legacy of PGDP.
- Passing of community resolutions.
- Communicating the future of the site is reindustrialization via public outreach and press releases.
- Engaging stakeholders and partners for community collaboration.

## ECONOMIC DEVELOPMENT & WORKFORCE

- Researching clean energy and nuclear industries to best understand their priorities to leverage Paducah assets.
- Using the information collected to determine workforce development initiatives and needs.
- Economic development opportunities will be analyzed for likelihood of success.
- Economic development opportunity will be driven by who our community is and what they value.



- PACC Team Progress
  - Stakeholder Meeting 10/31/23
  - PORTS Trip 11/30/23
  - Meeting with PPPO 2/8/24
  - DC Trip 3/5/24 -3/6/24
    - Meeting with ECA
    - Meeting with EPA
    - · Meeting with DOE EM
  - Spoke at Waste Management Symposia on Panels 3/13/24-3/15/24
  - Quarterly Stakeholder Meeting 3/20/24
  - KY Fish and Wildlife and Cabinet for Economic Development Meeting 3/28/24
  - New Nuclear ECA Conference 5/6/24 5/10/24

- DOE Highlights
  - Began due diligence on prioritized land area
  - Beginning site wide seismic study through KRECC
- Public Outreach
  - Chamber Breakfasts, Kiwanis, and Rotary
  - Passing of Nuclear Ready resolutions by McCracken County and City of Paducah
  - Joel Bradburne, DOE PPPO Program Manager spoke to PACRO

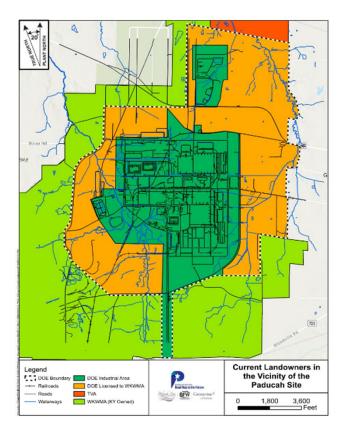


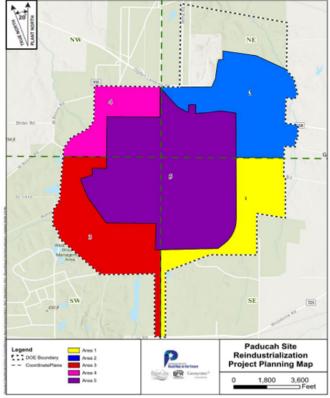


### **Land Transfer**

- Identifying the Land Transfer Process specific to the Paducah Site:
  - Regulatory Drivers (FFA, CERCLA 120(h), 10 CFR 770 Process.)
- The study team will advise and aid in the development of Paducah's first transfer request.
- Determine parcel prioritization:
  - Identified first area of priority through findings of the study and in coordination with GPEDC and PACRO.
  - Available infrastructure access, zoning, etc.
- Determine feasibility of land transfer areas:
  - Optimal acreage, transfer strategy, and sequence of priorities.









### Infrastructure Evaluation

- Identification of current infrastructure relative to the Paducah Site
  - Preliminary findings available
  - Identification of infrastructure improvement needs
  - Public Water, Natural Gas, Sanitary Sewer, Electric, Communication lines, Transportation Infrastructure
- Coordination with the Department of Energy on development of new utility infrastructure
- Coordination with other Paducah economic development sites (i.e. Triple Rail Site) and utility needs
- Determination of utility needs based on research conducted with interested companies



### **Economic Development**

- Working closely with GPED to facilitate economic development
- Identify desired transfer areas with economic development focus
  - Optimization is key:
    - Coordination with DOE
    - Land transfer feasibility (supply)
    - Where economic development interests are attracted (demand)
  - Environmental considerations (indemnification from DOE, etc.)
  - Infrastructure considerations (how do we market our assets for economic development)
  - Alternative Energy Projects
    - DOE Funding Review
  - The IDA receives property transferred from DOE with PACRO support



### Workforce Development

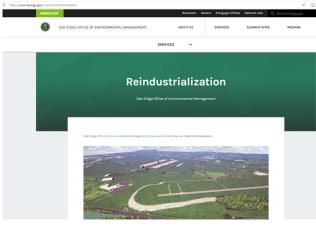
- Workforce Development
  - Local college and workforce programs to address future needs:
    - Accelerating the clean up mission
    - Reindustrialization for new projects
  - Identification of training needs
    - WKCTC Workforce Solutions
  - University involvement with grants
    - University of Kentucky
    - Murray State University



### **Community Engagement**

- Communications Strategy for Reindustrialization
- Public Engagement
- Partner and Stakeholder Involvement
- Site Strategy and Branding
  - Developing a brand for the DOE site that preserves history and places a vision for future development







## Implementation of Working Groups

### **Working Groups Established**

- Steering Committee
- Infrastructure Evaluation
- Economic & Workforce Development
- Land Transfer
- Site Strategy
- Communications



## **Steering Group**

#### Mission

To serve as the lead to the working groups and be involved in the overlapping coordination that is required between economic development, land transfer, site strategy, and communications.

### Objective

Each partner identified will be closely involved in the development of the RIS, review of the RIS elements, and aid in the coordination of all working groups where overlapping initiatives may occur and serve as the primary point of contact to communicate key factors that are derived in the individual working groups that have an overarching affect on the study as a whole.

### **Members**

**Sandra Wilson**, PACC CEO; **Joe Tarantino**, PACC Project Manager; **Maegan Mansfield**, BFW; **Stefanie Fountain**, Geosyntec; Cory Hicks, FRNP, GPEDC, PACC; Bruce Wilcox, GPEDC; Judge Exec. Craig Clymer, McCracken County, PACRO, IDA; Mayor George Bray, City of Paducah, IDA; Greg Wiles, PACRO



## Infrastructure Evaluation Group

#### Mission

To determine site infrastructure needs, general sizing requirements, and coordinate with other economic development initiatives on going near the site that may factor into infrastructure sizing. Infrastructure includes water, gas, electricity, communications, rail, road, and any other items needed to plan for industrial use.

### Objective

To develop a conceptual masterplan of utilities and infrastructure needed in coordination with sites nearby, communicate needs with DOE, discuss potential partnership opportunities with DOE, and deliver the finding of these efforts.

### Members

Sandra Wilson, PACC CEO; Joe Tarantino, PACC Project Manager; **Maegan Mansfield**, BFW; **Kenny McDaniel**, BFW; **Susannah Campbell**, BFW; Bruce Wilcox, GPED; Stefanie Fountain, Geosyntec; Cathy Hickey, Geosyntec; Jason Peterson, PW; John Hodges, JSA; Ryan Tolbert, Atmos Energy; Sean Jones, Atmos Energy; Communications (TBD); Travis Spiceland, JPEC; Steve Doolittle, McCracken County; Will McDowell, LGE&KU; Josh Tubbs, TVA; Mike McGregor, BFW; Andy Anderson, FRNP



## **Economic and Workforce Development Group**

#### Mission

To work closely with site strategy and communications on the future of the economic development for the site. To research DOE Grant and incentive program, and which companies are accessing this funding as potential targets for the DOE Paducah site. To author an economic development strategy that is high level enough to be implemented over a long period of time but focused enough to close in on the energy ecosystem.

### Objective

To develop an economic and workforce development strategy that is unique to the DOE Paducah Site, focuses on suppliers of the clean-up mission, future large industrial leads, and serves as a guiding document to implement economic development and marketing strategies for the long-term reindustrialization period.

#### **Members**

Sandra Wilson, PACC; **Bruce Wilcox**, GPED; Cory Hicks, FRNP; **Maegan Mansfield**, BFW; Stefanie Fountain, Geosyntec; Cathy Hickey, Geosyntec; Judge Exec. Craig Clymer, McCracken County; Mayor George Bray, City of Paducah Mayor, IDA; Susannah Campbell, BFW; Mary Anne Medlock, Workforce Board; Ashley Burns, WKCTC



## **Land Transfer Group**

#### Mission

Members identified are closely involved with the first land transfer requests that PACRO will facilitate. This group is responsible for advising on the land transfer process, documenting the process, and capturing key elements of the first land transfer request that occurs in Paducah.

### Objective

This working group will establish the framework of the land transfer process to be included in the RIS, document key contacts necessary to communicate the land transfer vision, document the due diligence required, and define the "how" when it comes to the land transfer process. Using the Base Period Summary as a basis, this group will rely on the areas of priority developed and provide feedback should those change or further define metrics to consider when it comes to the process.

### **Members**

Sandra Wilson, PACC CEO; Joe Tarantino, PACC Project Manager; **Maegan Mansfield**, BFW; **Robert Brown**, Geosyntec; **Cathy Hickey**, Geosyntec; Judge Exec. Craig Clymer, McCracken County, PACRO, GPEDC, IDA; Eddie Jones, PACRO; Stefanie Fountain, Geosyntec; Greg Wiles, PACRO; Bruce Wilcox, GPEDC



## Site Strategy Group

### Mission

Members of this group will be responsible for advising on the branding strategy for the site, potential naming, site use, site timeline communication, and closely coordinate with the economic development group and communication group.

### Objective

To deliver the general vision of the site and implementation strategy once land is transferred.

### **Members**

**Sandra Wilson**, PACC; Bruce Wilcox, GPED; **Maegan Mansfield**, BFW; Stefanie Fountain, Geosyntec; Cory Hicks, FRNP; Cathy Hickey, Geosyntec; Don Goebel, Geosyntec; **Amy Dzialowski**, Geosyntec; Joe Tarantino, PACC Project Manager



## **Communications Group**

#### Mission

To work closely with site strategy and economic development groups to determine the communication strategy for reindustrialization. To complete work on website, public outreach items, schedule public meetings, determine the launch of the reindustrialization brand, and to develop a long-term communication strategy that the community can continue to implement after the study is complete.

### Objective

To launch a website for public use, increase public awareness, and deliver public outreach items that are communication tools for general awareness. Meetings may be expected with various advocacy groups such as the CAB to provide RIS updates and push the public awareness of the study efforts and the future of the site.

#### **Members**

**Sandra Wilson**, PACC; **Amy Dzialowski**, Geosyntec; **Maegan Mansfield**, BFW; Stefanie Fountain, Geosyntec; Joe Tarantino, PACC; Cory Hicks, FRNP

## Proposed Meeting Schedule

- The 3rd Wednesday of every month May through September:
  - Steering Committee 9:00 AM 10:00 AM
  - Site Strategy 10:30 AM 11:00 AM
  - Land Transfer 1:30 PM 2:30 PM
  - Infrastructure Evaluation 2:30 PM 3:30 PM
  - Economic and Workforce Development 3:30 PM 4:30 PM
- June's meeting will be held on the 20<sup>th</sup>
- Each lead assigned is a member of the working group.
- Our expectations is that everyone serves in an advisory capacity to develop the future of the site.



### **Desired Outcome**

The goal of the Reindustrialization Study is to develop a Road Map for the future of the DOE Paducah Site.

The Study will define Paducah's needs and vision based on collaboration with community partners and stakeholders.



