



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

MINUTES OF THE THURSDAY, SEPTEMBER 19, 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, Rodney Hill, Gaylon Grubbs, Myron Wessel

CAB Members Absent: Eric Butterbaugh, Riley Willett, Clint Combs

U.S. Department of Energy (DOE) and Contractors: DOE: April Ladd, Buz Smith, Angus MacKelvey; EHI Consultants: Hayly Wiggins; ETAS: Zachary Boyarski,

Liaisons: Division of Waste Management: Brian Lainhart (TEAMS); Environmental Protection Agency: Victor Weeks (TEAMS); Kentucky Dept of Energy and Environment: Mary Evans

Attendees: Marshall Jenkins, Amina Watkins, Darla Bowen, Landre Smiles, Robert Schmitt, Vicki Watson, Alexandra Roberts, Steve Christmas

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 September Board Meeting. Thank you for being here this evening.

Attendees introduced themselves.

Agenda was approved.

DOE Comments provided by April Ladd: I have a few project updates to share. C-333 segmentation. We have segmented 124 converters and have 115 converter bundles in storage. FRNP surpassed 3 million man-hours without a lost workday case. We have disposed of 957,000 pounds of R-114 this year and will meet EM's goal of one million pounds by early November at the latest. Last Thursday was the Paducah Chamber DC Fly-In. It was a great event with a record number of attendees showcasing Paducah to the folks in Washington, DC. I want to thank Fran Johnson for her years of service to this Board. We appreciate your time and efforts and will miss you.

Additional DOE Comments provided by Buz Smith: I want to thank our potential new Board members for attending tonight's meeting. We are excited to have you here. We are all going to miss Fran. Her experience with the Chamber of Commerce has been invaluable and she has brought so much professionalism to this Board.

Liaison Comments: none

Administrative Issues:

Barger: You have a ballot before you with the nominees for Chair, Ben Stinnett; Vice Chair, Gaye Brewer and Past Chair, Don Barger and five names of members who have agreed to serve on the Executive Subcommittee, if elected. Are there any changes to the list for Executive Subcommittee? Gaylon Grubbs asked for his name to be removed for this year. Are there any nominations from the floor for these positions? *None*

All in favor of approving this slate of officers signify by saying "Aye." Any opposition?

*All present voted Aye, and the motion was passed unanimously.
9-0-0*

Please pass in your ballots with the three names you have circled as your vote for Executive Subcommittee. The three new members of the Executive Subcommittee are Billy Bob Clark, Rodney Hill, and Myron Wessell.

Barger: Thank you to everyone willing to serve in leadership roles and on the Executive Subcommittee.

Barger: Next on our agenda is to vote on the FY 2025 Work Plan before you. All in favor of accepting the Workplan as presented?

*All present voted Aye, and the motion was passed unanimously.
 9-0-0*

Steve Christmas FRNP Intern Program Director

The intern program is great. The interns do an amazing job. Our mentors love when they come and love helping them learn the job. We will go to Murray State University on October 1st and 2nd to recruit the next group of interns. Applications open October 15 – December 15, and we will begin interviews in January. College students for the FRNP and ETAS internships, and high school students in the craft areas.

Presentation-Landre Smiles and Robert Schmitt

Interns with FRNP this past Summer

Question/Comment:	Answer:
Johnson: Would you like to work full-time at the plant? Two employees are ready to work! I am proud of you for your work and presentation.	Smiles: Yes, I would. Schmitt: Yes, absolutely
Hill: Will you be applying for the internship next year?	Both: Yes
Stinnett: Would you want to work in the exact same area as you did this year?	Schmitt: I would like to work on the engineering side next time. Smiles: I would like to work in a different area next time, just to learn something new.
Roberts: Has your experience changed how you view your classes?	Smiles: Yes, it relates to the work I did and it feels more real to me now. I work from the book and remember using that in the field. Schmitt: The classwork feels more weighty now that I know exactly how what I am learning applies to the work I did.

<p>MacKelvey: Were there any stressors during your time at the plant?</p> <p>Robert: Besides the work, you also did some fundraising, communication, and leadership training. What did you think about those activities?</p> <p>Roberts: We love having the interns at the plant. It was great to have their energy.</p> <p>Christmas: It is wonderful to have seen their competence grow on the job and to now see their confidence in giving these presentations. We have already hired 3 interns from this summer</p>	<p>Schmitt: I wanted to do my very best and not let anyone down, but I worked through that by just working hard without stress.</p> <p>Smiles: The cake auction was great. Chaotic, but lots of fun, and we raised \$12,000 for Feds Feed Families. Everyone at the plant is willing to help.</p> <p>Schmitt: I liked working at the Community Kitchen. It was an eye-opening experience.</p>
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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 robert.smith@pppo.gov and we will add them as attachments to the minutes.

Barger: Under final comments, we want to let Fran Johnson have the last word tonight as it is her final meeting on the CAB.

Johnson: Thank you for allowing me to serve on the Board and as your Vice-Chair for the last few years. It has been my honor.

Roberts: Fran has been a true champion of Paducah and the Paducah CAB at the National Chairs Meetings over the years. Thank you, Fran.

Barger and Stinnett adjourned the meeting at 6:45 pm.



September 19, 2024

Chair
Don Barger

Vice-Chair
Fran Johnson

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

Buz Smith
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
5100 Alben Barkley Dr.
Paducah, KY 42001
Phone 270.554.3004

www.energy.gov/pppo/pgdp-cab
info@pgdpcab.org

September 2024 Citizens Advisory Board Meeting Agenda

5:30 pm

Call to order, introductions
Review of agenda

DOE Comments

Federal Coordinator Comments

Liaison Comments

Administrative Issues

Election of Officers
Election of Executive Subcommittee
Adoption of FY25 Work Plan

Presentations

Summer Intern Program

Public Comments

Final Comments

Adjourn

FY 2025 Paducah CAB Leadership Ballot

Chair Nominee: Ben Stinnett

Vice Chair Nominee: Gaye Brewer

Past Chair Nominee: Don Barger

Executive Subcommittee (choose 3)

Billy Bob Clark

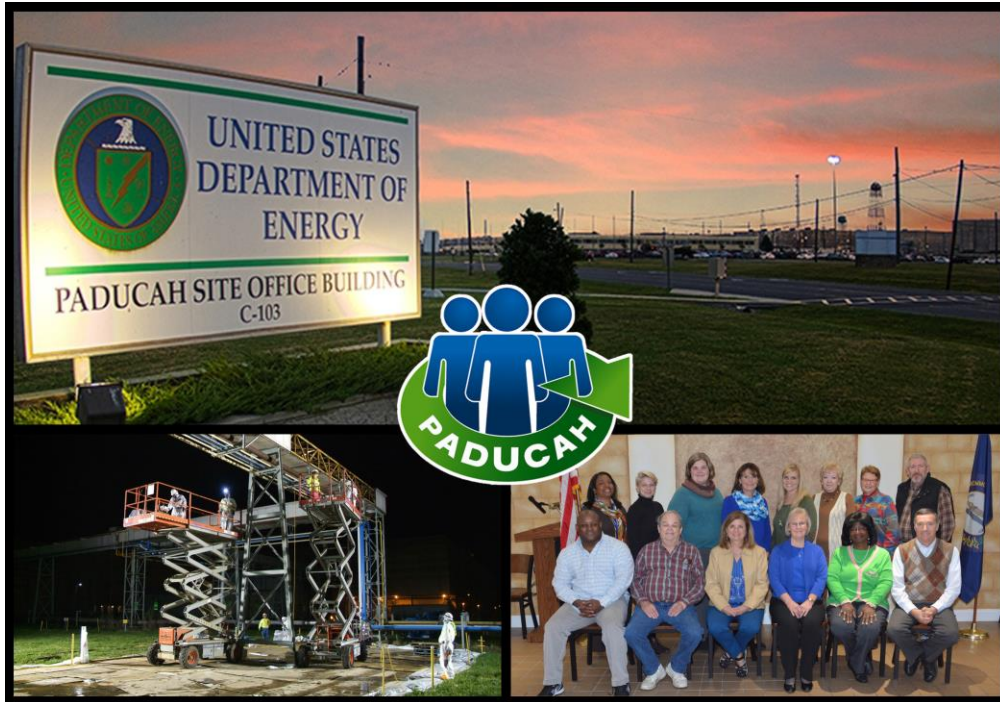
Gaylon Grubbs

Reese Henderson

Rodney Hill

Myron Wessel

PORTSMOUTH PADUCAH PROJECT OFFICE (PPPO)



Paducah Gaseous Diffusion Plant Citizens Advisory Board ANNUAL WORKPLAN Fiscal Year 2025

This SSAB Work Plan has been agreed upon by U.S. Department of Energy and the Paducah Citizens Advisory Board on Date X, 2024.

Paducah CAB, Board Chair

Ms. April Ladd, DDFO
Department of Energy Paducah Site

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 (EM) located at the Paducah site. The Portsmouth/Paducah Project Office (PPPO) manages the Environmental Management activities at Paducah.

The CAB is comprised of up to 15 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 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 to 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.

This work plan addresses the CAB's educational priorities for fiscal year (FY) 2024 and the anticipated topics. While the board intends to structure its 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 Subcommittee

The board's executive subcommittee 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 2025 Executive Committee will comprise the board chair, vice chair, the past vice chair, and up to 3 "delegate" board members as elected by the CAB. The executive subcommittee 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. DOE plans to have administrative CAB meetings on the following dates:

- September 19, 2024
- November 21, 2024
- February 20, 2025
- April 17, 2025
- June 19, 2025

Month	CAB Topic	Presentation Narrative
Sept 2024	Site Overview	-kickoff board year with key site initiatives and projects
	Board Business	-Adopt Workplan -Elect Board Leadership -Board Recommendations -Chairs Recommendation
	Summer Intern Program	-Overview of Summer Intern Program -Panel discussion with interns about experience
Oct 2024		
Nov 2024	ASER	-What is the ASER -Environmental Monitoring Overview -Findings from 2023 -Student ASER program
	Environmental Monitoring Overview	-Review of previous presentation on Monitoring -different media/ locations -testing ranges, reporting data -calculating risk
Dec 2024	Contractor Community Involvement Plan	-brief overview (5 – 6 slides) on community engagement efforts and outreach initiatives from each contractor
Jan 2025		
Feb 2025	Federal Site Lifecycle Estimate	-intro to FSLE -how it's developed and maintained -approval process and update process -Site Life Cycle Estimate INPUT: CAB concurrence and input on future iterations and community outreach on FSLE
	Funding and Budget Update	-overview of key site projects -funding and budget update -site spending priorities -baseline projections -funding impacts INPUT: CAB input on future funding requests stating priorities and values
Mar 2025		

Apr 2025	Land Transfer Update	-Land Transfer Process -Future Use Vision/ End State -Parcel 1 -Timeline
	Chamber Grant/ PACRO	-overview of community future use initiatives -update on land studies -shared vision for future
May 2025		
June 2025	PFAS Update	-brief introduction to PFAS -historical overview of PFAS initiatives -PFAS and its uses at the site -current regulatory position -remediation plans and implementation schedules -testing and impacts -next steps INPUT: CAB concurrence on path forward and community education
	DUF6 Update	-overview of DUF6 mission -update on progress and status for future -changes to contractor responsibilities with OSMS
July 2025	Site Tour	-site tour highlighting board accomplishments, future land use, and key initiatives
August 2025	Board Planning Session	

Paducah CAB Workplan

Recommendation Request Plan

Paducah CAB

FY 2025

Work Plan Item #25-01	Work Plan Item:	<i>Board input on future iterations of Federal Site Lifecycle Estimate and community education on FSLE</i>
	Briefing/Discussion Dates:	<i>February 2025</i>
	Recommendation Deadline:	<i>April 2025</i>
	Description:	<p><u>Background:</u> <i>The FSLE lays out planning priorities including sequencing of projects that direct the cleanup work onsite.</i></p> <p><u>EM SSAB Scope:</u> <i>DOE is seeking concurrence on the broadstroke planning objectives as well as identifying potential elements within the decisions that the board can provide value and input. Additionally, we will ask the Board how to communicate the information within the FSLE to the community at large.</i></p>

Work Plan Item #25-02	Work Plan Item:	<i>Board Input on Future Funding requests stating board priorities and values</i>
	Briefing/Discussion Dates:	<i>February 2025</i>
	Recommendation Deadline:	<i>April 2025</i>
	Description:	<p><u>Background:</u> <i>Site Funding Requests, especially specific year over year numbers, are often embargoed at the time of this presentation. DOE will discuss active projects and future strategies and plans for remediation of the site.</i></p> <p><u>EM SSAB Scope:</u> <i>The board will provide DOE with a list of priorities/ values that the membership feels are most important to the community for a successful cleanup. DOE can use this list of priorities/ values as a measuring stick for future budget requests and internal budget discussions.</i></p>

Work Plan Item #25-03	Work Plan Item:	<i>PFAS Update and Board advice on path forward and community education needs</i>
	Briefing/Discussion Dates:	<i>June 2025</i>
	Recommendation Deadline:	<i>September 2025</i>
	Description:	<p><u>Background:</u> <i>PFAS studies are being completed and regulatory direction is being determined. The cleanup response will greatly impact the future cleanup schedule of the site. Understanding the regulatory, environmental and human health implications are vital to the future cleanup success of the site.</i></p> <p><u>EM SSAB Scope:</u> <i>The board will provide DOE advice, based on community values and preferences, on how to implement PFAS cleanup requirements and timeline strategies as part of the overall mission of the program.</i></p>

DRAFT

Landre Smiles

Systems Engineering
Intern

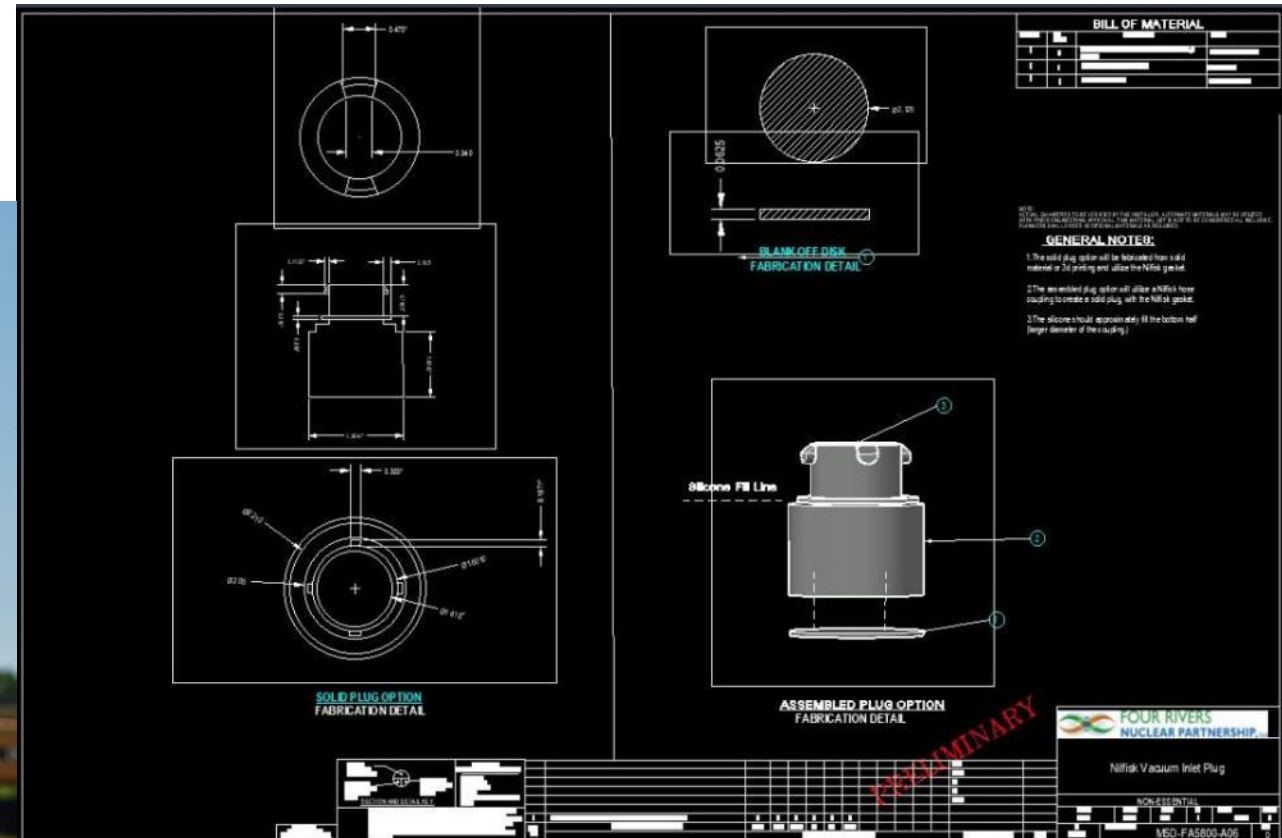
Engineering Physics Major

Murray State University



SYSTEMS ENGINEERING PROJECTS

- Lead Survey on Sanitary Piping
- Nilfisk vacuum plug- Facility Change Traveler (FCT) and drawing
- Visual Observer for aerial survey of landfill.



CAAS System Walk-down on the roof of C-337



Dry Hybrid
System leak check
with acoustic air
leak detector in
C-720

THINGS I HAVE LEARNED



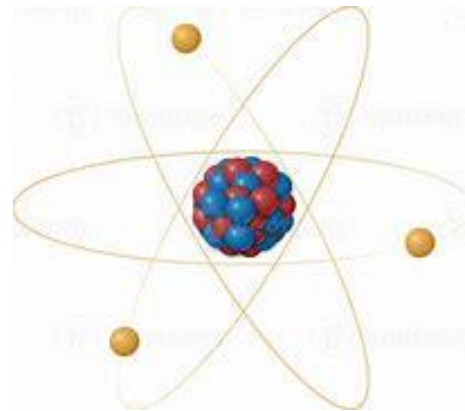
-Auto CAD



- Microsoft Excel



- Time Management



- PGDP History



- Technical Writing (FCT)

OVERALL

-This program for me was a huge success, this internship solidified my major choice.

-It not only taught me how real engineers operate, the program also taught me that there is a world of things out here to see and not enough time to see it all.




THANK YOU!





Robert Schmitt

1st year Nondestructive Assay Intern



College of Engineering

- Junior studying Chemical Engineering at the University of Kentucky Paducah Campus College of Engineering
- Non-Destructive Assay intern
- Mentors:
 - Brent Montgomery
 - Tyler Coriell
 - Joseph Hamm



ROLES TAKEN 1

- High-Density Polyethylene Testing
 - Learned NDA Measurement methods.
 - Applied knowledge from previous lab experience.
 - Tested materials and recorded data.
 - Identified Potential Lessons Learned for Nuclear Complex.

Insight for future shielding use

- **Experimentally Proven**
 - **Configuration efficiency**
 - **Cost reduction** “Savings Going Up, Backgrounds Going Down.”
 - **Demonstrated** that improving the neutron shielding of the existing ARKs can be achieved by adding an external layer Black HDPE, as opposed to adding another layer of the Bluegreen.

High-Density Polyethylene Measurements

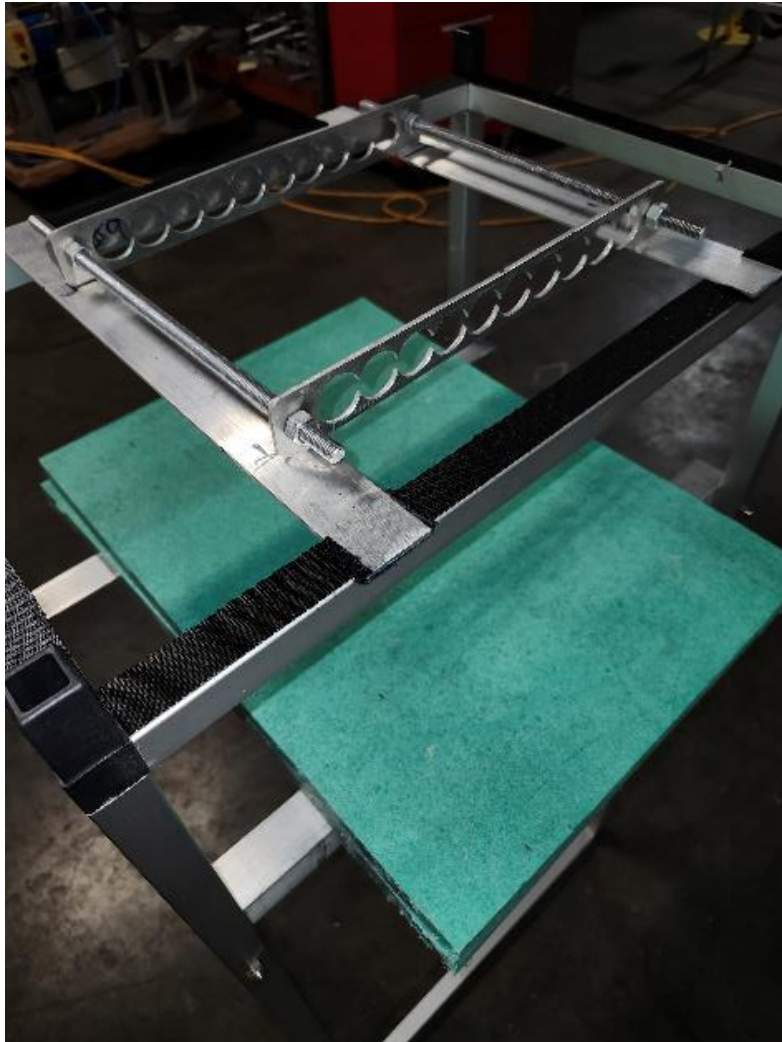
- Initial Data collection on materials.
 - Includes Manufacturer, Vendor, Density, Thickness.
- Main data Collection From Neutron Slab

Large Item Neutron Assay System



The Materials used

Bluegreen Cost=\$1139



Green Cost=\$950



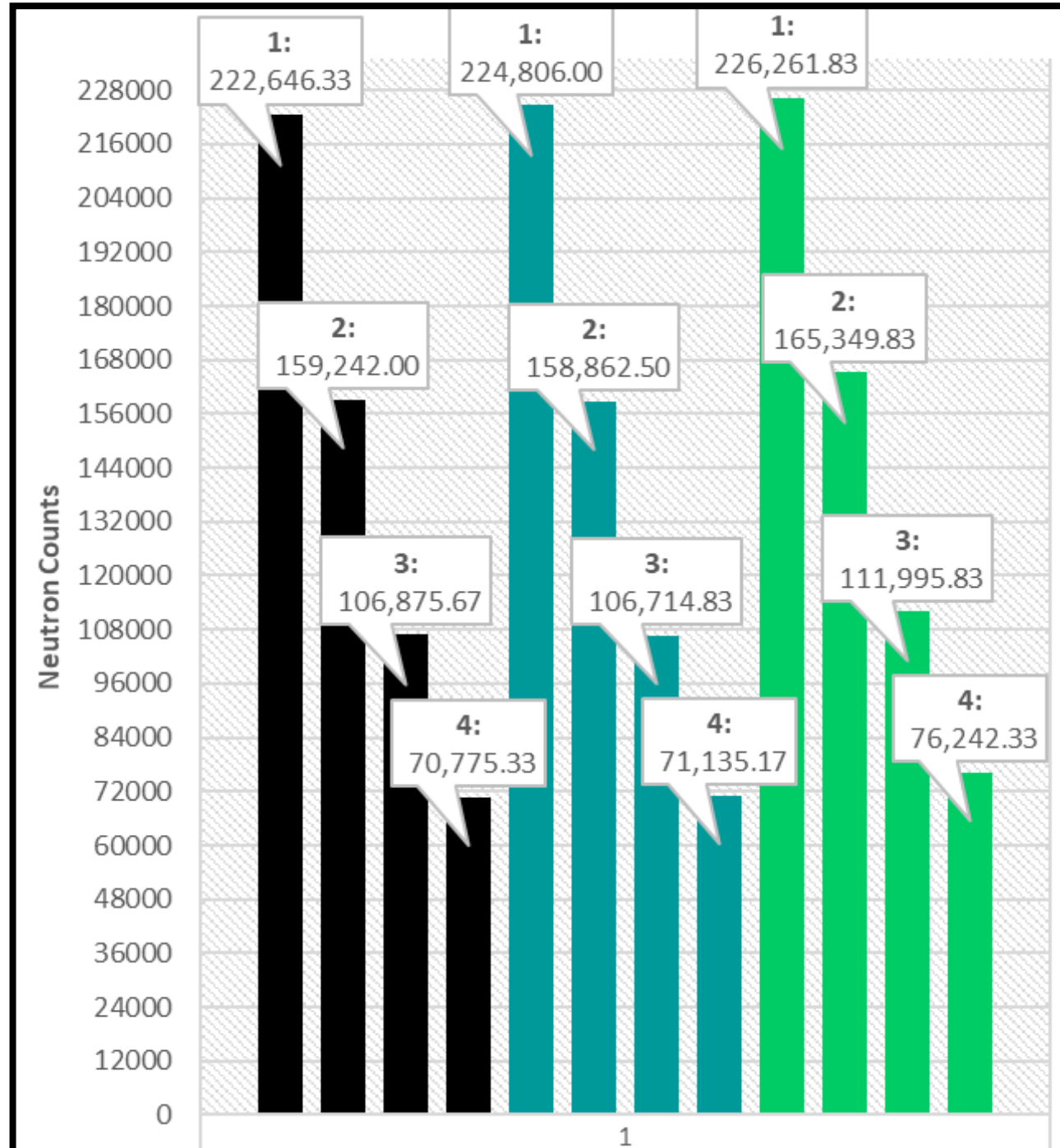
Black Cost=\$235



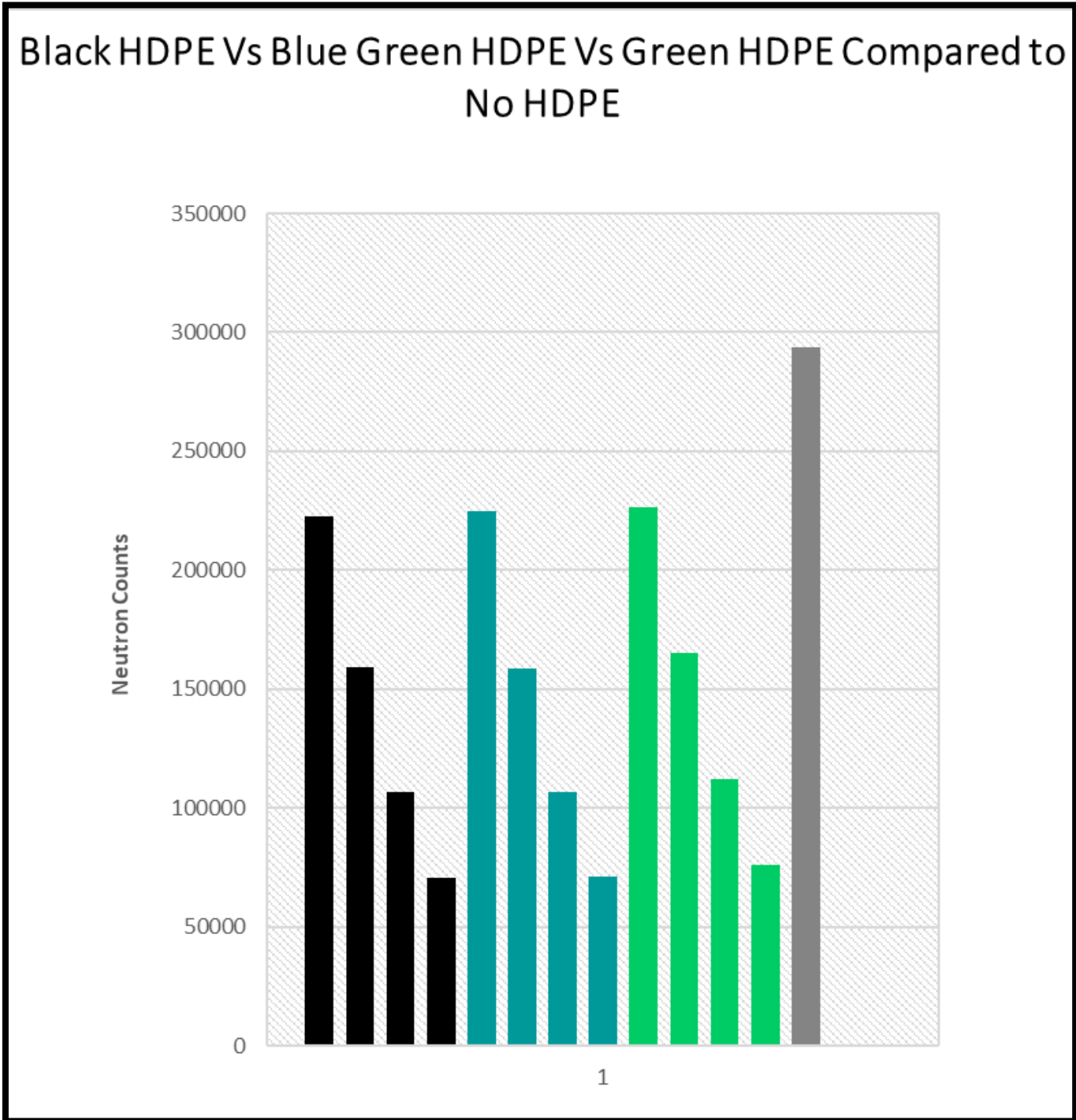
Testing the Variables



Black Vs Bluegreen Vs Green

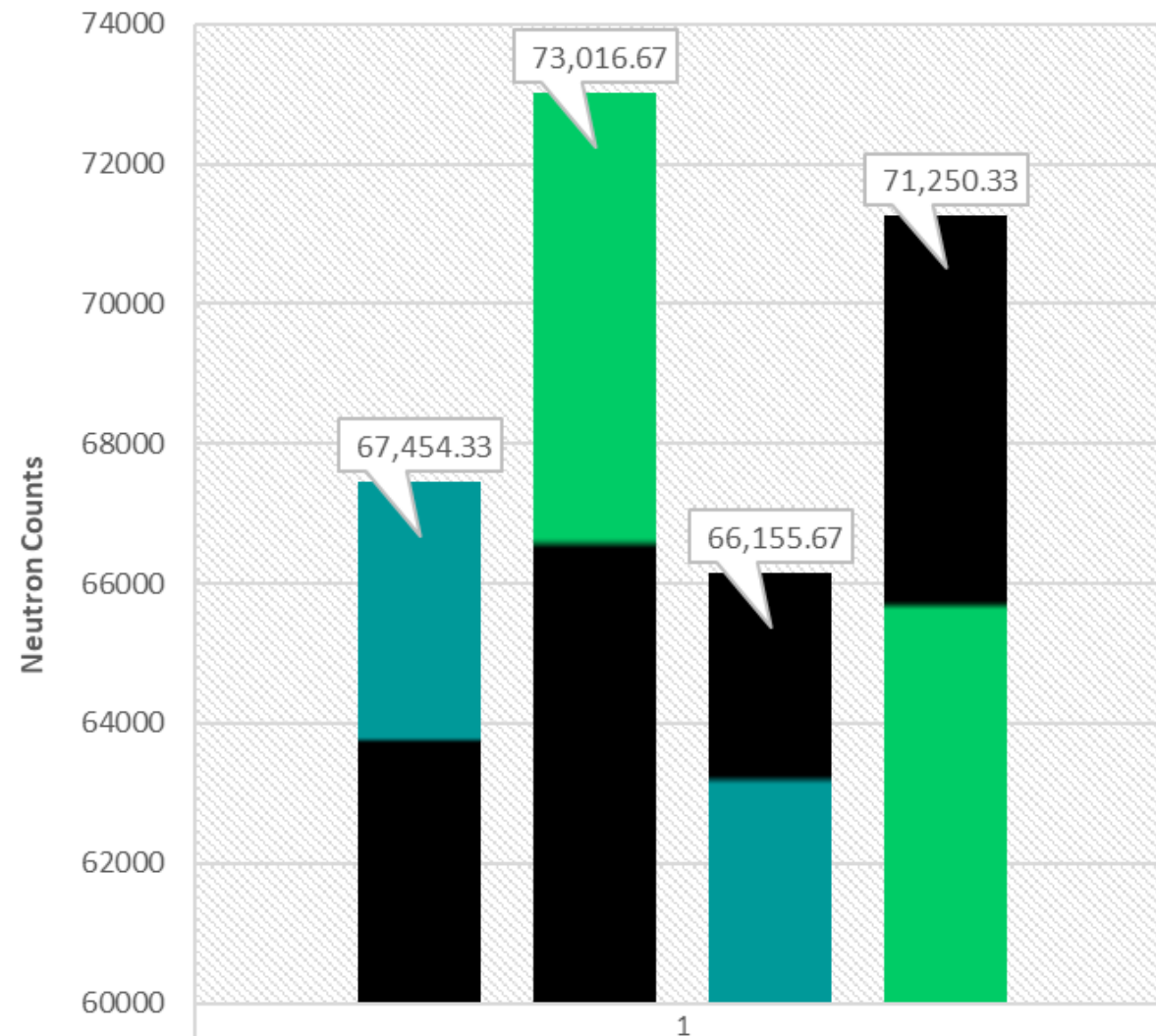


Putting Data into Perspective

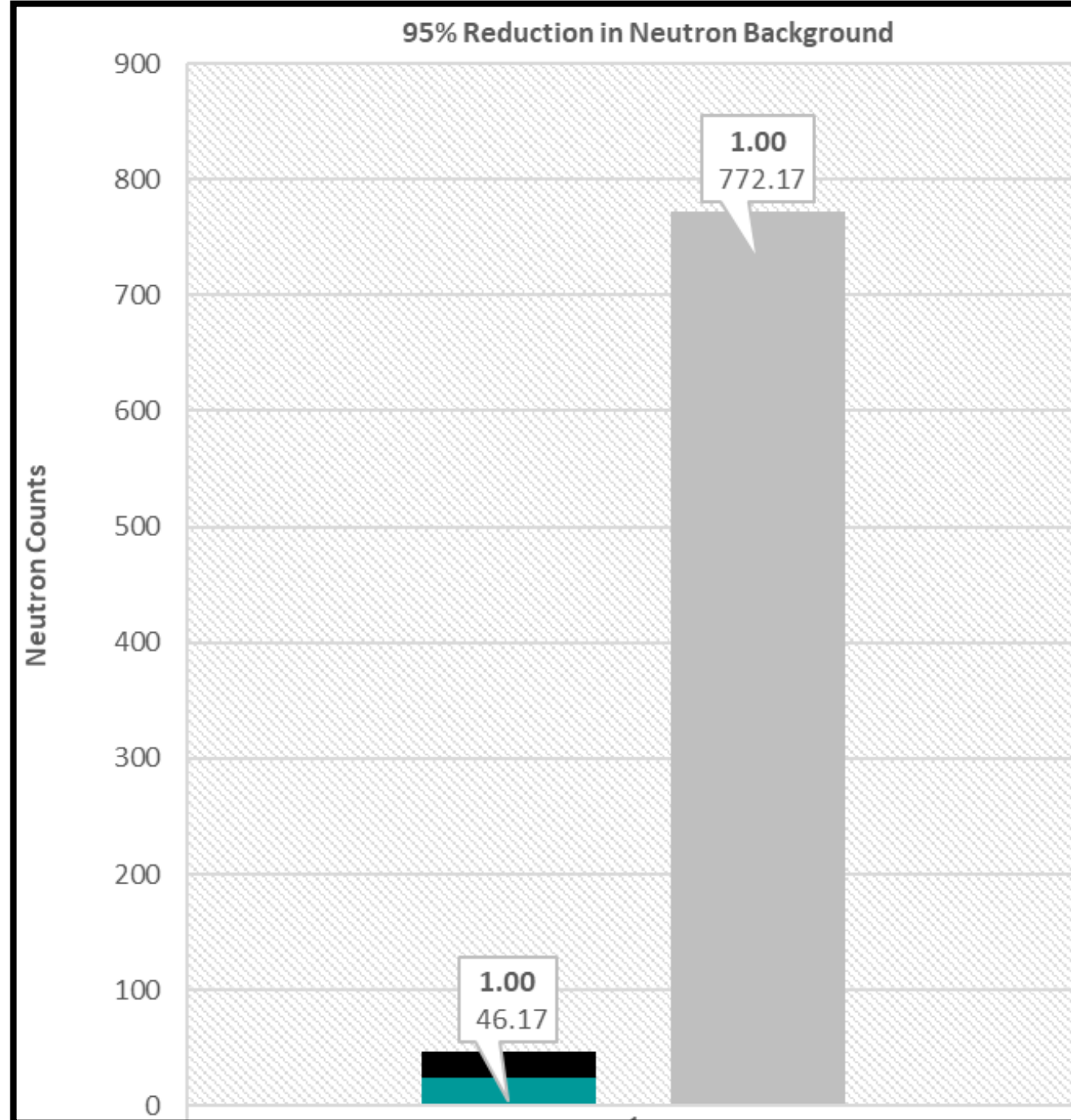


Alternated layers

Bluegreen on Top VS Polymer Industries on Top Vs Blue Green Below VS Green Below



Same test with 4.98wt% UO₂F₂





ROLES TAKEN 2

- Educator Externship

Helped organize and setup
the demonstration booths



ROLES TAKEN 3

- Managed Sign-In Table
at the
Feds Feed Families
cake auction

Roles taken 4

- Community Kitchen Volunteer



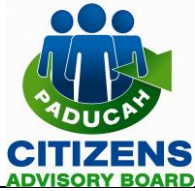
Robotic Pipe Crawler in Action



■ My Appreciation

- Personal Development Speakers
- My Mentors Tyler, Brent, and Joey
- NDA Team





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 September 9, 2024

*The Citizens Advisory Board (CAB) Executive Committee met virtually (TEAMS)
on Monday, September 9, 2024, at 2:30 p.m.*

Board Members present: Don Barger, Fran Johnson, Ben Stinnett

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 August Planning Session. **Stinnett** said he liked the new schedule of meetings every other month.

Roberts reviewed the CAB Survey results from the August Planning Session with the Subcommittee. The survey question, "How often do you visit the CAB website?" generated discussion on the purpose of this website. **Smith** said that it was mainly for non-CAB members to learn more about the CAB.

The subcommittee discussed the upcoming leadership election.

Roberts said the September board meeting will be on Thursday, September 19. At this meeting, the board will elect officers and Executive Subcommittee members, adopt the FY2025 work plan, and view presentations from some of the FRNP interns.

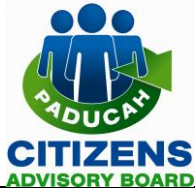
The subcommittee discussed the Paducah Top Issues slide to be used at the Fall Chairs Meeting in Oak Ridge.

Smith provided DOE comments. R-114 update-5.7 million pounds have been disposed of. There are 2.7 million pounds left on site. Land Transfer update-DOE is about to send the Environmental Baseline Survey to the regulators. **Barger** asked if the parcel of land in question is large enough for the parties requesting it. **Smith** said that it is large enough for nearly any interested party.

Johnson said that it has been a pleasure and honor serving on the CAB. Everyone on the board expressed appreciation for her time and leadership.

Roberts asked if there would be any objections to pursuing moving the December meeting to the new event center, Occasions at Bluebird Farm, recently opened by former CAB member Judy Clayton. All attendees approved of this change.

Barger adjourned the meeting at 3:45 p.m.



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Executive Committee Meeting Summary August 12, 2024

The Citizens Advisory Board (CAB) Executive Committee met virtually (TEAMS) on Monday, August 12, 2024, at 2:30 p.m.

Board Members present: Don Barger, Fran Johnson, Ben Stinnett, Clint Combs

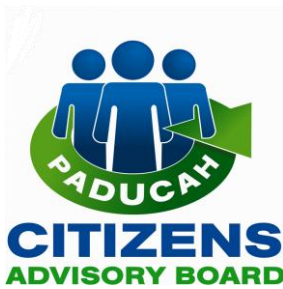
U.S. Department of Energy (DOE) and related employees: April Ladd (TEAMS), Robert Smith, DOE; Zach Boyarski, ETAS; Eric Roberts and Hayly Wiggins, EHI.

Roberts asked for feedback on the July Paducah Site Tour. **Stinnett** said this was his third site tour and it is good to see progress in the demolition. He enjoyed seeing the remains of the water tower and how much has been removed since its demolition. **Combs** shared that he feels each tour he has been on is valuable and he gains new understanding of the plant and its history each time. He also has new questions to ask the guides. He enjoyed the new guide on the most recent tour, William Wessell. The group feels that every 2 years for a full site tour and DUF-6 on alternate years is adequate.

Roberts said August's meeting will be a Planning Session on Thursday, August 15, where topics will include the workplan, a CAB survey, and the Chairs Meeting Top Issues Slide.

Smith provided DOE comments. 78 converters are in storage and 84 converters have been segmented.

Barger adjourned the meeting at 4:02 p.m.



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 full-time, 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?

<p>Johnson: I notice only one young lady in the group of interns. Are there any more female interns?</p>	<p>Smith: There are two female DOE Interns and eight females out of the twenty interns at FRNP.</p>
<p>Roberts: What have you learned that surprised you at a corporate office rather than the classroom?</p>	<p>Mott: I have learned so much more than in school. Learning on the job site 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.</p> <p>Jenkins: 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.</p> <p>Roberts: 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.</p>
<p>Johnson: Have you found anything different or incorrect from what you were taught in school?</p>	<p>Mott: Each employer has different standards. I am studying OSHA, but DOE's standards are higher than that. Very different than the OSHA standards I learned in school.</p> <p>Jones: In computer textbooks, there is a fundamental solution to a problem, but in the real world, every company or</p>

	department can have different networking needs.
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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:
<p>Brewer: If you are not taking down C-400 until at least 2029, what are you doing there until then?</p>	<p>Ladd: While we wait for a decision on on-site 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.</p>
<p>Brewer: How thick is the converter shell?</p>	<p>DOE provided this answer after the meeting. The Converter shells are 5/8” thick</p>
<p>Brewer: Will they be able to reuse the removed rail?</p>	<p>Ladd: Since this is light rail, it will most likely be sold for scrap and not reused.</p>

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 robert.smith@pppo.gov 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.



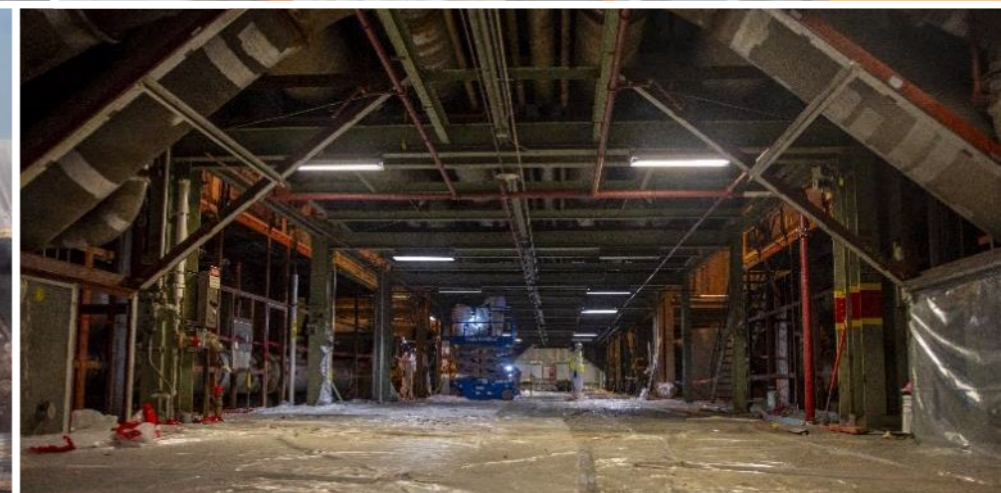
PORTSMOUTH PADUCAH
PROJECT OFFICE

Deactivation & Remediation FY24 Project Update

Citizens Advisory Board Meeting

June 20, 2024

Presented by April Ladd, DDFO





FY24 Strategic Vision



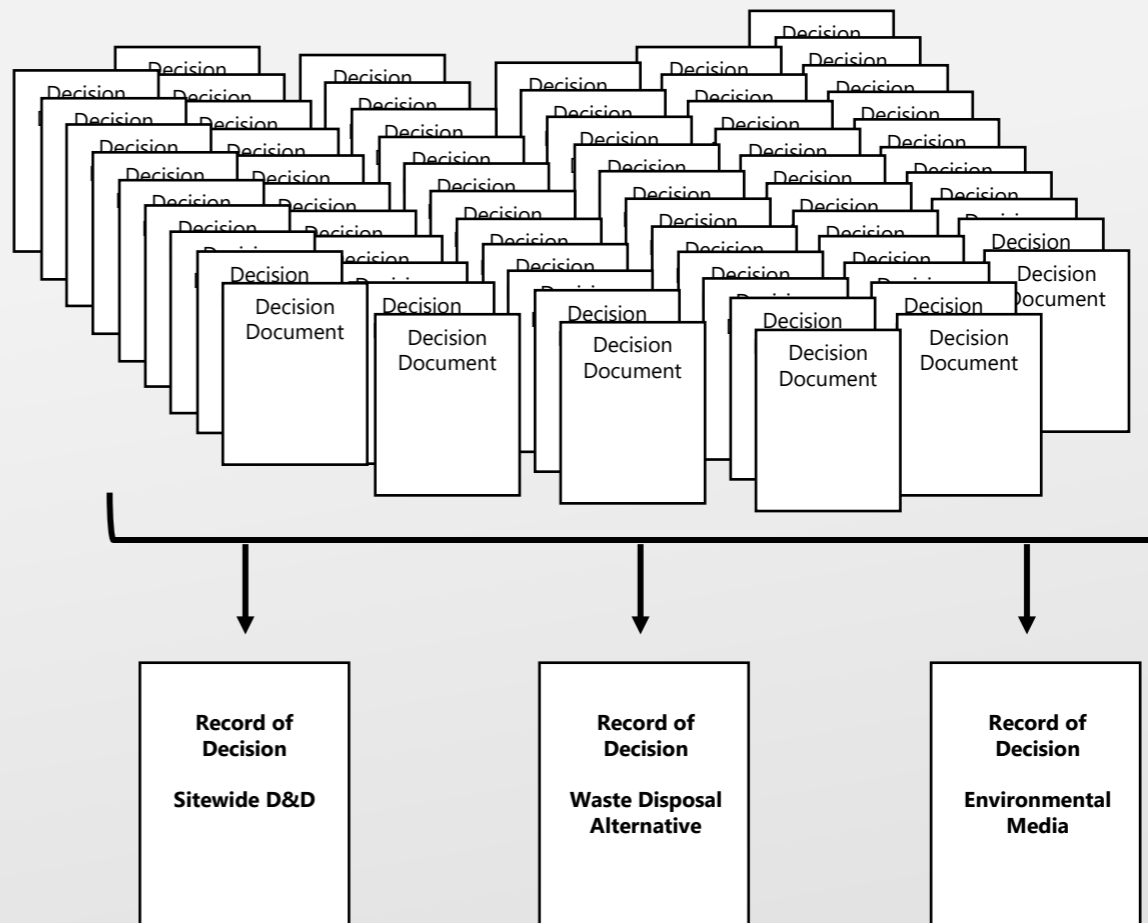
- ▶ Realign regulatory decision documents with long term cleanup mission
- ▶ Continue C-333 Process Building deactivation
- ▶ Continue “rightsizing” the site’s infrastructure to meet future deactivation and demolition needs



Decision 2029 Progress

Decision 2029 Goal

- ▶ Establish a streamlined regulatory framework focused on a comprehensive sitewide cleanup for PGDP that facilitates a reindustrialization end-state 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.

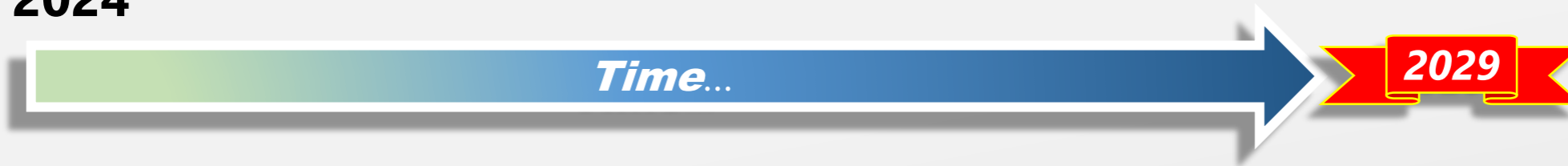
Lessons Learned

- ▶ 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



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

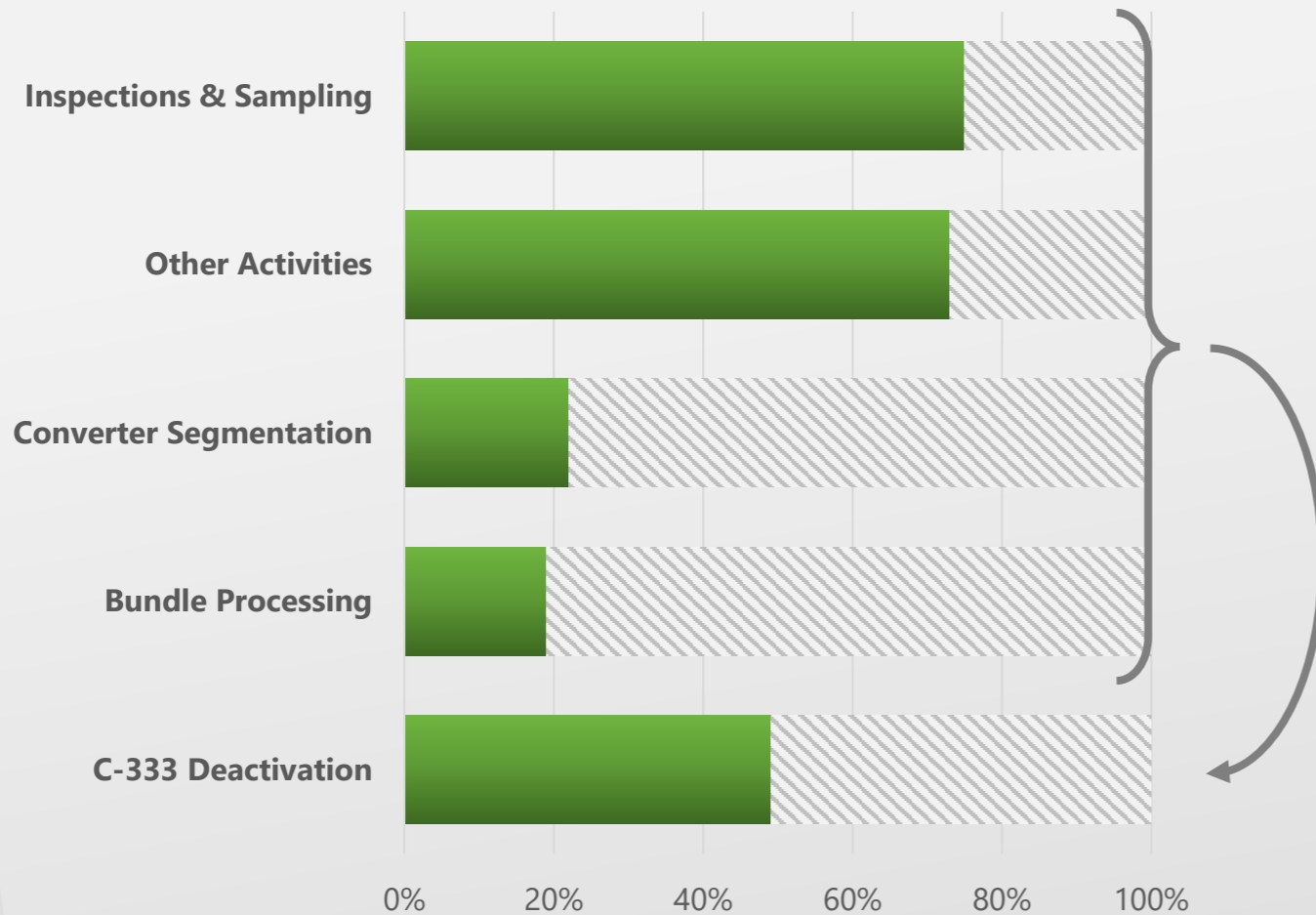
Goal by 2029

- ▶ Sign three Records of Decision & Begin Large Scale Cleanup



C-333 Deactivation

Overall Progress (Option Period 1)



- ▶ 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



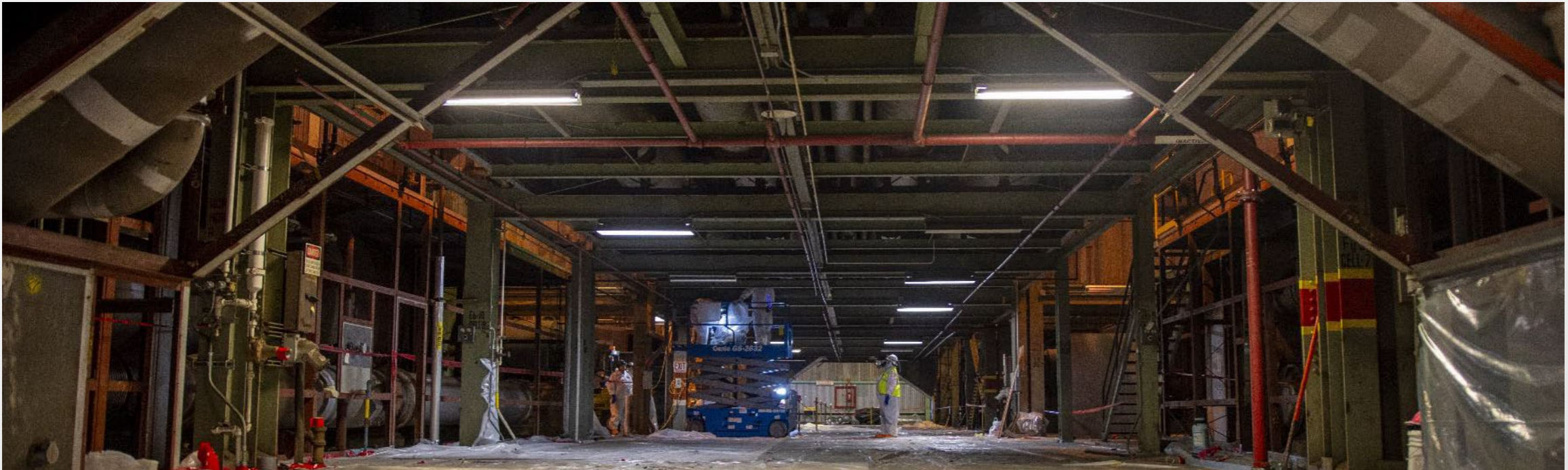
C-333 Deactivation

- ▶ 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





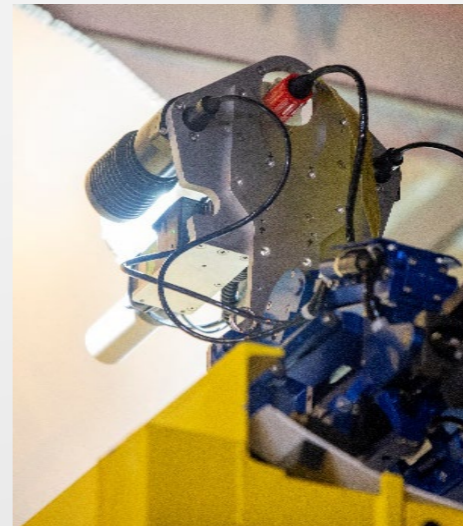
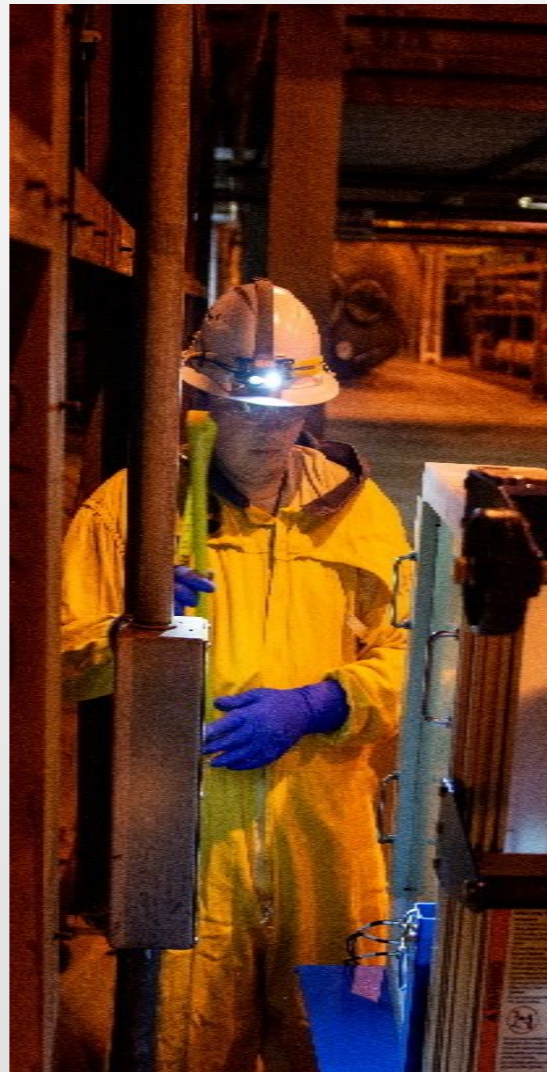
C-333 Deactivation: Unit Bypass



- ▶ 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.



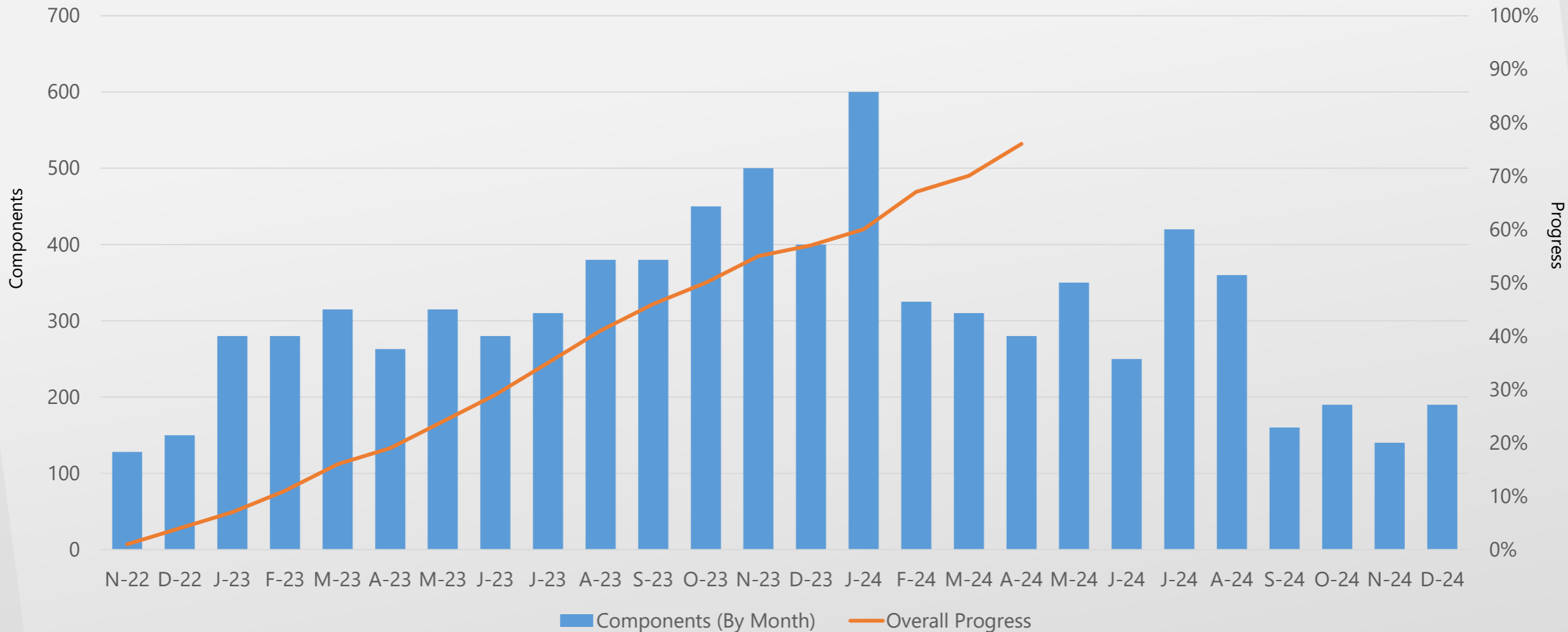
NDA & Characterization





NDA & Characterization

NDA Scans and Deposit Identification in C-333





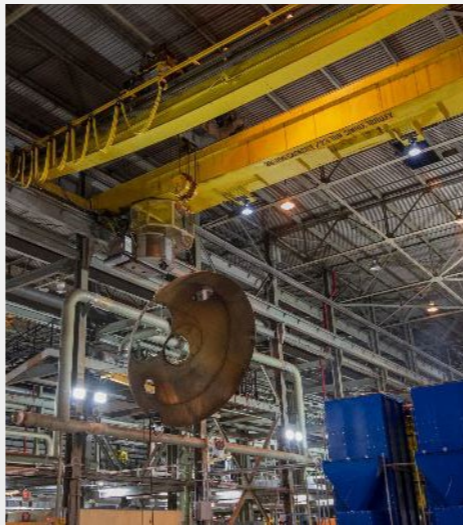
C-333 Material Sizing Area



- ▶ 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



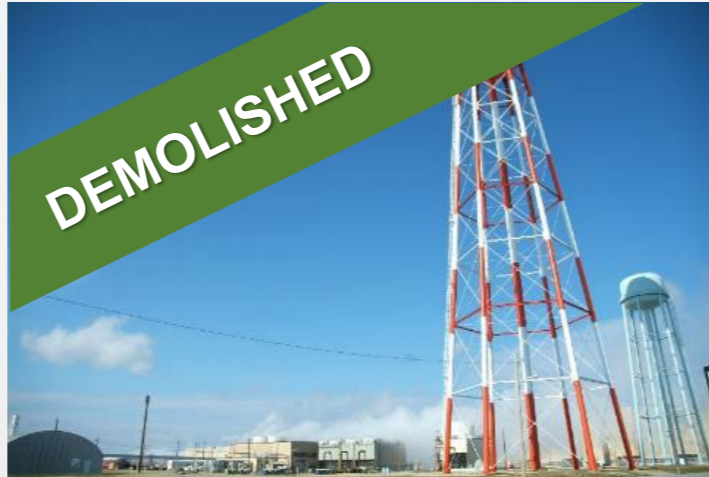
- ▶ Met PPPO Priority Milestone to dispositioned 1M lb. of R-114 in FY 2024
- ▶ Ahead of schedule to meet DOE-EM1 CY 2024 goal (~ 670K lb.)



FY24 Facility Demolition



C-301 Fire Training



C-611-R High Pressure Fire Water Tank



C-611-Q Raw Water Line Booster Station



C-710-A Gas Cylinder Storage Building



C-721 Gas Manifold Storage



C-732-1 Salt Facility



FY24 Facility Demolition



C-301 Fire Training



C-727 Mixed Waste Accumulation Facility



C-746-A North Warehouse



C-742 Cylinder Storage Building



C-752-C Laydown Yard

Additional facilities not pictured

- ▶ C-730-T01
- ▶ Storage trailer



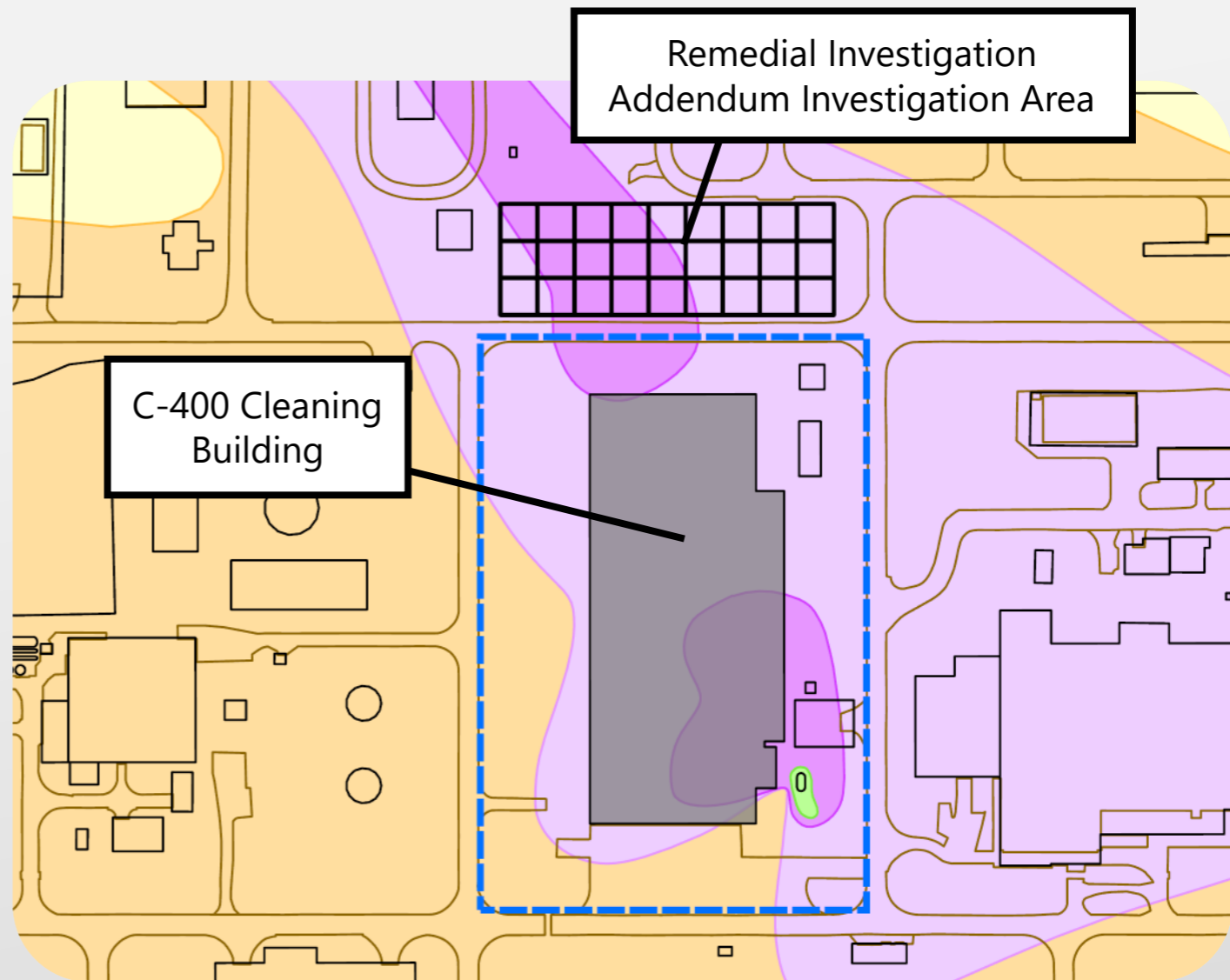
C-611-R Demolition





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



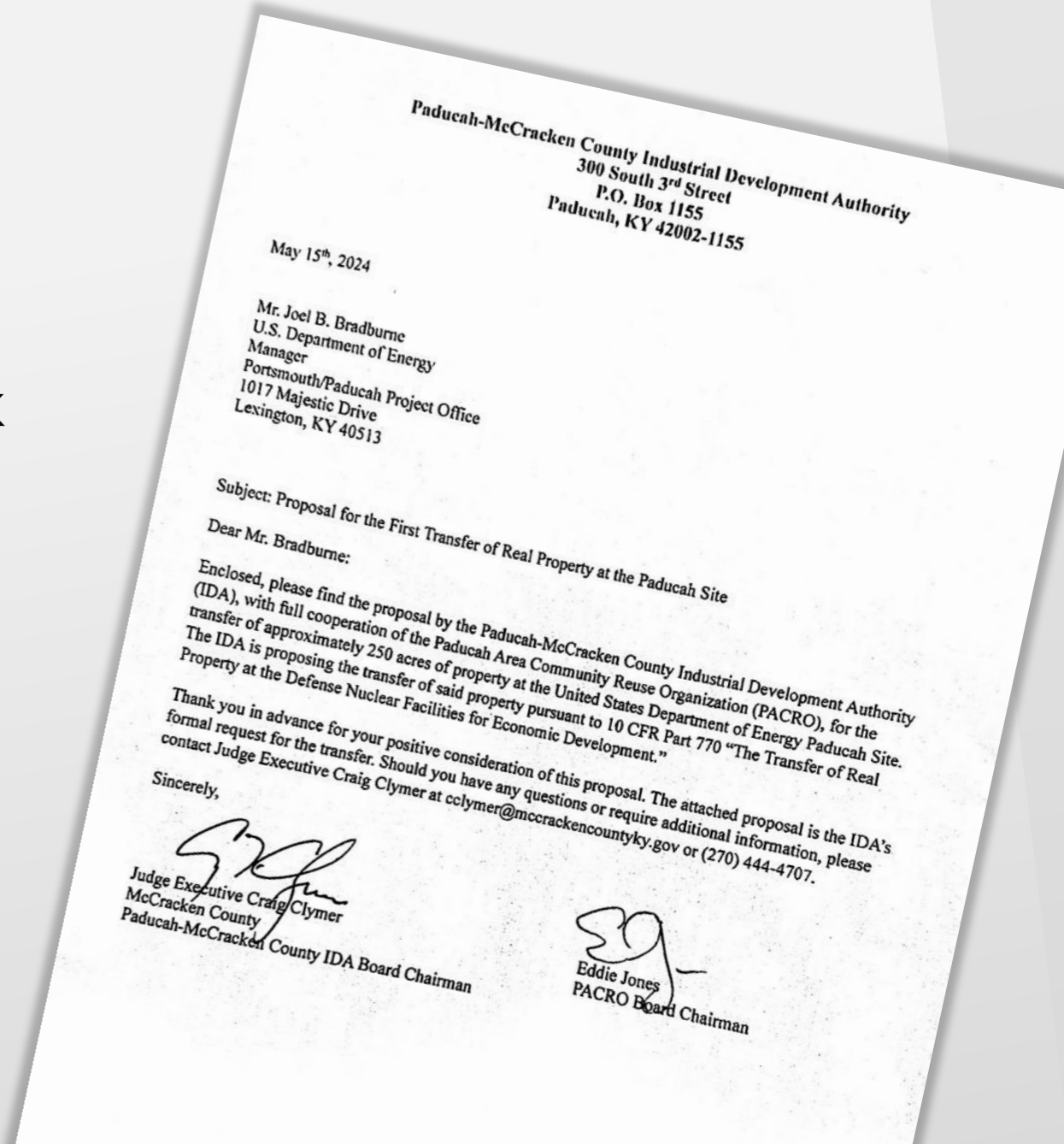
Personal Property Transfers:

- ▶ 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

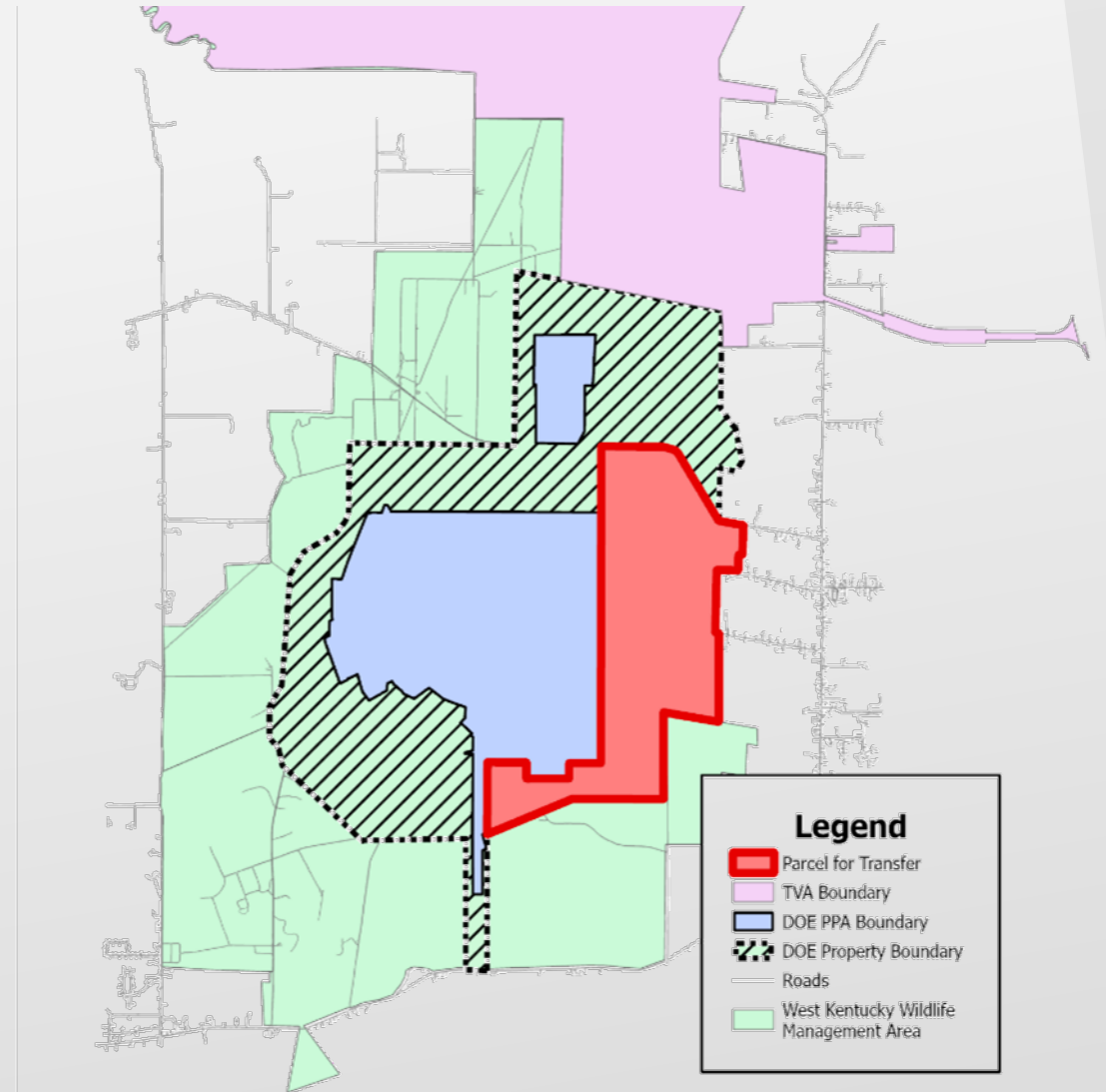


DOE PPPO Property Transfer Process Steps (PPPO-3329827)



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





DUF₆ 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



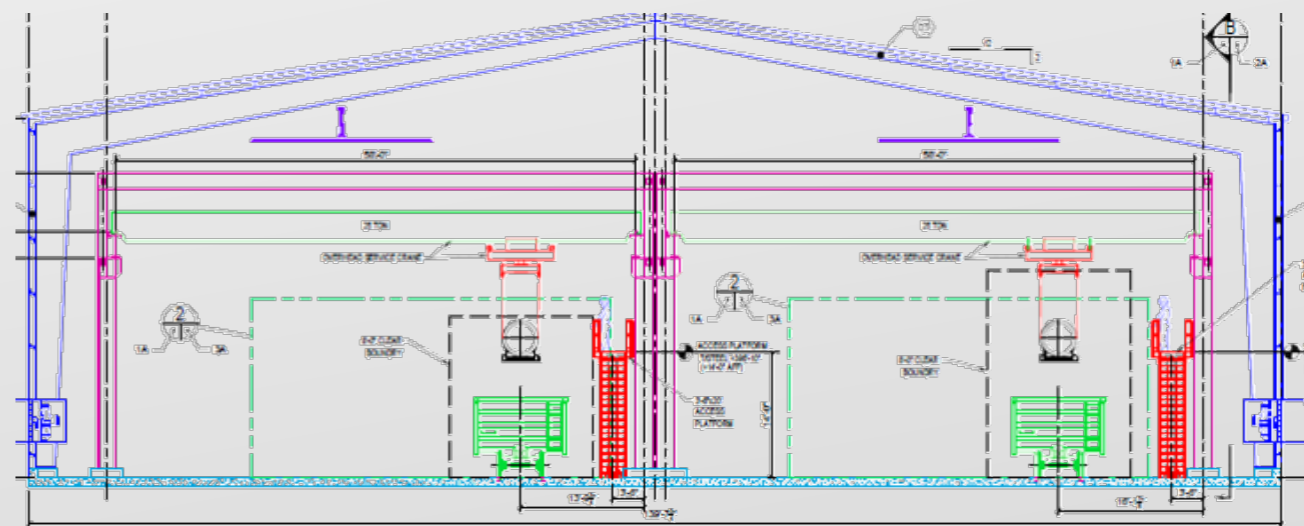
Oxide Shipping Facility

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





QUESTIONS



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 felt 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.