



June 21, 2012

Chair
Ralph Young

Vice-Chair
Maggie Morgan

Board Members
Glenda Adkisson
Judy Clayton
Robert Coleman
Eddie Edmonds
David M. Franklin
Kyle Henderson
Jonathan Hines
Mike Kemp
Kevin L. Murphy
Dianne O'Brien
Ben Peterson
Elton Priddy
Richard Rushing
Jim Tidwell
Roger Truitt
Ken Wheeler

Student Participant
R. Colby Davis

Board Liaisons
Reinhard Knerr
DOE DDFO

Buz Smith
DOE Federal Coordinator

Todd Mullins
*Division of Waste
Management*

Turpin Ballard
*Environmental Protection
Agency*

Mike Hardin
Fish and Wildlife Resources

Stephanie Brock
Radiation Health Branch

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Agenda for the April Board Meeting

6:00

Call to order, introductions
Review of agenda

DDFO's Comments

Rob Seifert is designated DDFO for June

-- 20 minutes

Federal Coordinator Comments

-- 5 minutes

Liaison Comments

-- 5 minutes

Administrative Issues

- Possible Recommendation consideration

-- 10 minutes

Subcommittee Chair Comments

-- 10 minutes

Public Comments

-- 15 minutes

Final Comments

-- 5 minutes

Adjourn



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes June 21, 2012

The Citizens Advisory Board (CAB) met at the Environmental Information Center (EIC) in Paducah, Kentucky on Thursday, June 21st at 6:00 p.m.

Board members present: Judy Clayton; Mike Kemp; Maggie Morgan; Kevin Murphy; Dianne O'Brien; Ben Peterson; Dick Rushing; Jim Tidwell; Roger Truitt; and Ken Wheeler.

Board members absent: Glenda Adkisson; Robert Coleman; Eddie Edmonds; David Franklin; Kyle Henderson; Jonathan Hines; Ralph Young; and Tom Grassham.

Board Liaisons and related regulatory agency employees: Tim Kreher, Kentucky Department of Fish and Wildlife Resources

DOE Deputy Designated Federal Official: Rob Seifert

U.S. Department of Energy (DOE) related employees: Eric Roberts, Jim Ethridge, EHI Consultants (EHI); Mark Duff, LATA Kentucky; Bill Offner, Swift and Staley.

Introductions

CAB Vice-Chair, Morgan called the meeting to order at 6:00 p.m. **Morgan** thanked everyone for attendance and called for introductions. **Morgan** then asked for **Seifert's** comments.

Deputy Designated Federal Official Comments

Seifert makes presentation.

Clayton: Are you going to close off the street again? (11 th St. at PGDP)	Duff: Not shut down for the entire time of treatment.
Kemp: What kind of shape does using the augers down to 50 ft. leave the site in?	Seifert: It would leave the site looking like a tilled field, no change to the stability of the site.
Murphy: The distance between the borings is 8 foot?	Duff: There will be about 50-60 borings covering about an acre. Maybe about 10 ft. apart.

Seifert updated the Board on the retreat between EPA, State of Kentucky, DOE, and LATA Kentucky to foster better communication among the groups involved. This group meets regularly as members of the Federal Facilities Agreement.

Wheeler: Is that something you anticipate repeating on an annual basis?	Seifert: Yes. I have spoken with our management and indicated that it would be a good idea to continue to meet regularly.
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Kemp: If there are 60 borings, and they are 8 ft. in diameter, that's about 3,000 sq. feet. You said it was about an acre?	Duff: Approximately.
Kemp: So you are really only boring about 10%. Are you looking at particular hotspots or uniform distribution?	Duff: It is a grid but not trying to hit any certain hotspot.
Kemp: So what happens to the "in between" areas?	Duff: It is my understanding that you will add enough iron to knock down the overall area enough to dissipate the source term. You aren't going to eliminate it completely, but you will knock down the overall average.
Murphy: It acts like a sponge doesn't it?	Duff: Yes.
Wheeler: Will there be some test holes drilled between the auger points?	Duff: I don't think so. The area is pretty well characterized so the auger points will pretty much knock out the source term.
Wheeler: With regards to the Waste Disposal Options, could you outline the plan for the next couple of months?	Seifert: We are planning to take time to update Sec. Peters on the project. The other big thing is to have a workshop in late July to foster community support on the project. Also continue development of the Proposed Plan for a fall time period submission.

Federal Coordinator Comments: None

Liaison Comments: **Kreher** reported that the Eco Fair had been a success. He also stated that there were discussions about the possibility of having the Eco Fair at a different time of year to avoid problems that are present during the spring. **Kreher** also reported that the new use agreement with DOE was in place as far as types of uses that could be held on the WMA.

Administrative Issues: **Morgan** presented a letter to be submitted to David Huizenga about the contract extension at USEC to re-enrich the tails, and how that is important to the nation as a whole and not to just the USEC workers. The letter was edited by the board, voted on and approved. It will be sent out to Mr. Huizenga next week.

Subcommittee Chair Comments: **Morgan** asked for subcommittee chair comments. **Wheeler** said that there had been an informal meeting with **Seifert** to clarify the status and path forward on the RI/FS process. **Morgan** reported on the C-400 subcommittee meeting saying that they had been given an update on the C-400 Phase II project and the progress that had been made. She also indicated that they had been given a presentation by LATA on the Groundwater Story presentation and how the path forward with it was viewed for their OK.

Public Comments: None

Final Comments:

Roberts gave a report on the status of the upcoming CAB Board Retreat. He indicated that we were looking at Barkley Lodge as the probable location for the retreat to be held on August 10-11. He also indicated that DOE would be reworking their baseline which would affect the projects that the CAB would need to be involved in over the coming year. **Roberts** also indicated that we were in the process of contacting Chad Chancellor from the Paducah Economic Development Council, to make a

presentation at the retreat on what it takes to attract new employers to the area. He also mentioned that Bill Murphie with DOE and Dr. Len Peters had been contacted to see if they could attend the retreat.

Having no further business, **Morgan** adjourned the meeting at 7:06 pm.

Paducah Citizens Advisory Board

DDFO Presentation

Rob Seifert, Paducah Federal Project Director

June 21, 2012



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EM Environmental Management

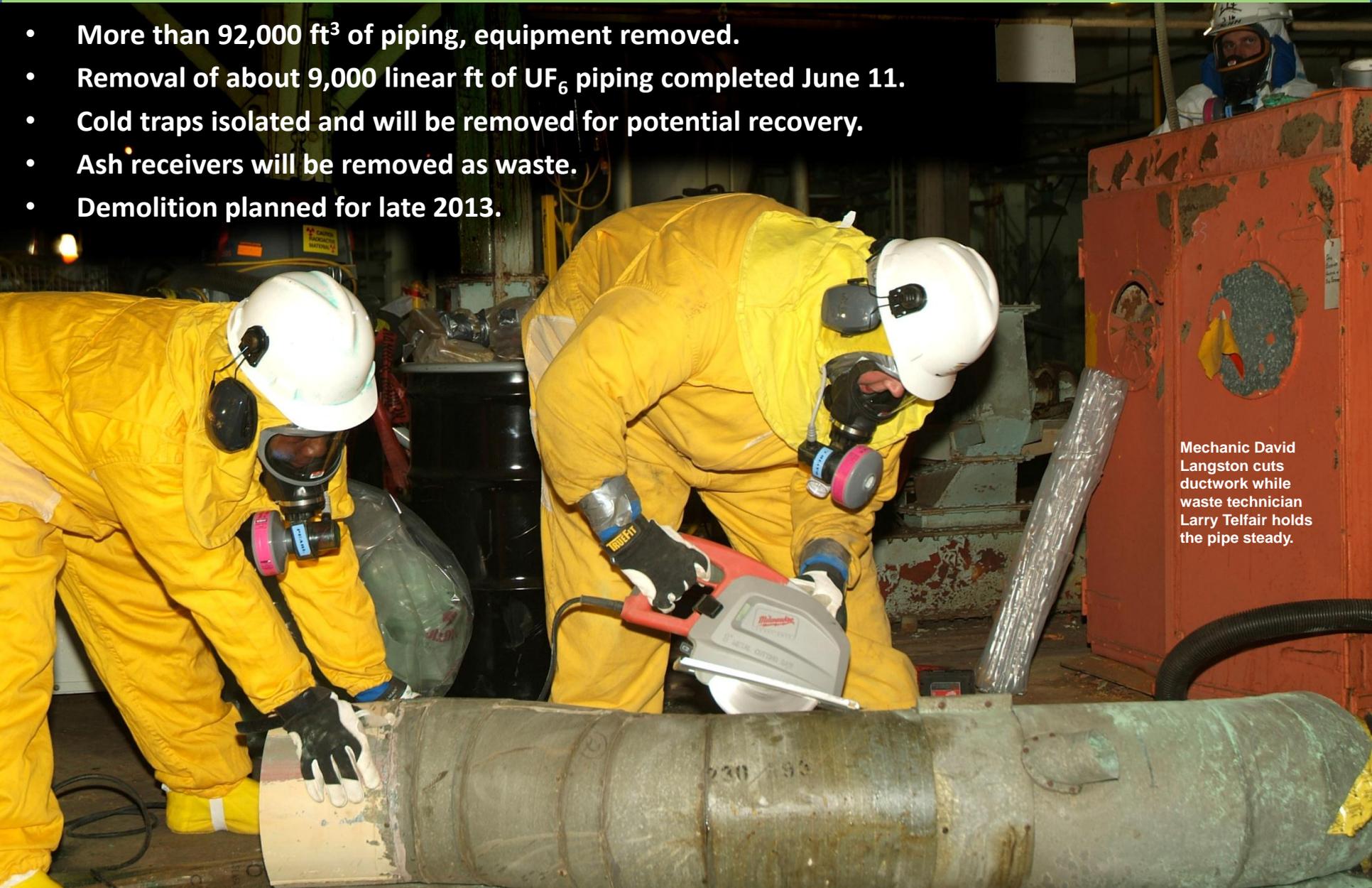
safety ❖ performance ❖ cleanup ❖ closure

Presentation Agenda

- Inactive facilities removal
- Groundwater cleanup
- Federal Facility Agreement Retreat
- DUF₆ plant update
- 2012 Eco Fair
- Upcoming documents

Inactive Facilities Removal: C-410 Feed Plant

- More than 92,000 ft³ of piping, equipment removed.
- Removal of about 9,000 linear ft of UF₆ piping completed June 11.
- Cold traps isolated and will be removed for potential recovery.
- Ash receivers will be removed as waste.
- Demolition planned for late 2013.



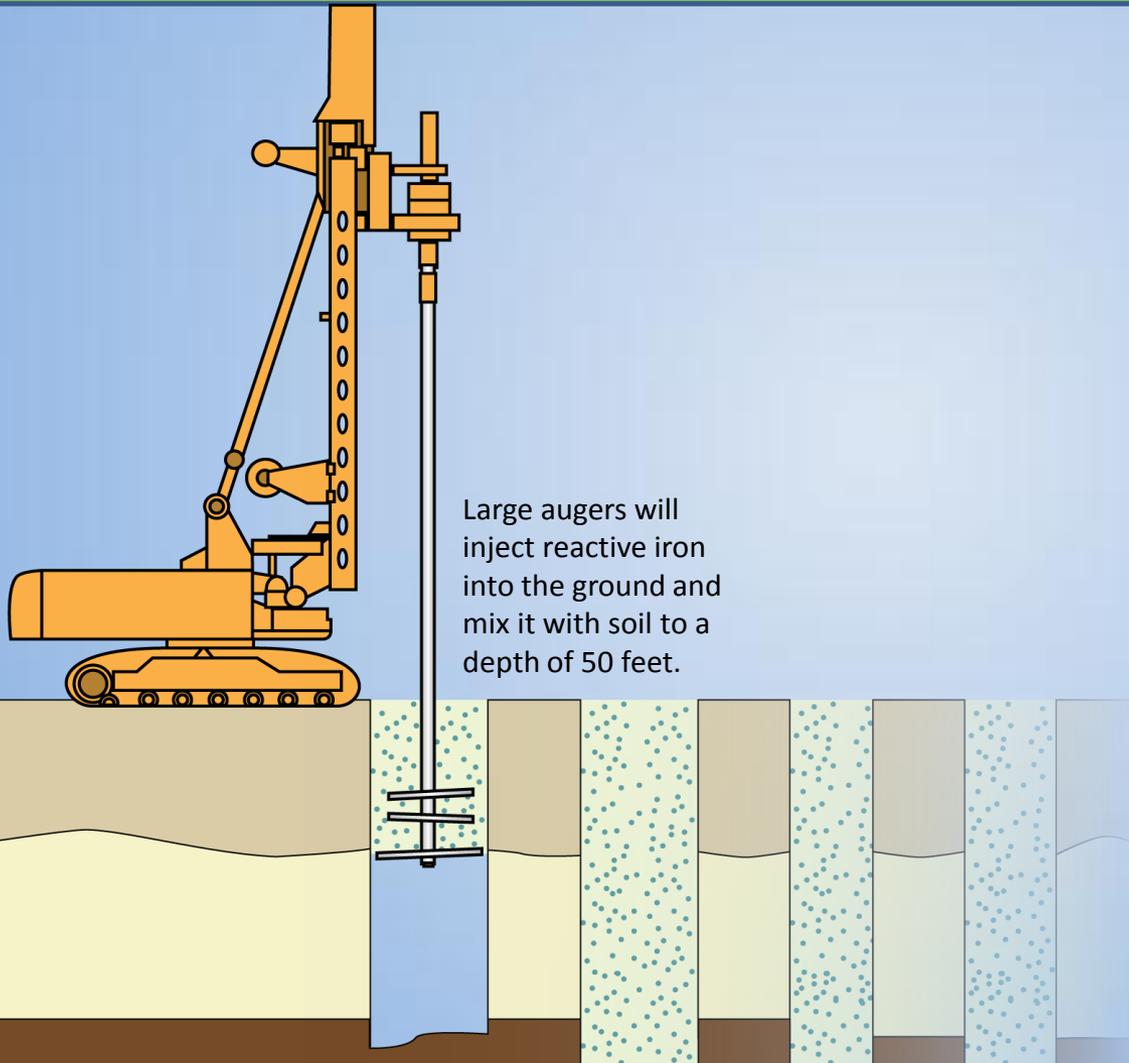
Mechanic David Langston cuts ductwork while waste technician Larry Telfair holds the pipe steady.

Inactive Facilities Removal: C-340 Metals Plant

- Transite removal set to begin Aug. 22.
- Safety/environmental precautions:
 - Panels manually removed to guard against airborne asbestos.
 - Water misting to minimize releases.
 - Equipment to lower panels to ground.
 - Panels stacked and double-wrapped in plastic.
- Mechanical demolition start planned for September.



Groundwater Cleanup: Southwest Plume Source Removal



- Remedial Design Site Investigation (RDSI) field work
 - Begins July 18
 - Ends in October.
- Results used to:
 - Fill data gaps in oil landfarm and C-720 Maintenance and Stores Building area.
 - Help narrow remedy decision at C-720.
- Field mobilization to start by June 2013.
 - Deep soil mixing at landfarm.
 - Bioremediation or long-term monitoring at C-720, depending on RDSI results.

Groundwater Cleanup: C-400 Source Removal Phase IIa



- Field work for ERH system to start by late September.
- 52 electrodes will be bored to remove TCE 20-60 ft deep southeast of C-400.
- Operation planned for 2013.
- 24 to 2,500 gals. of TCE remain.

Federal Facility Agreement Retreat

- Federal Facility Agreement (FFA) retreat held June 12-14 in Frankfort .
- Participants: FFA managers and their respective managers; various project managers from DOE, LATA KY, EPA, and Commonwealth of Kentucky.
- Purpose:
 - Help improve trust among FFA partners.
 - Identify driving factors behind decisions.
 - Allow FFA participants to develop tools to improve communication methods and skills.



Depleted Uranium Hexafluoride (DUF₆) Plant



- Babcock and Wilcox Conversion Services (BWCS) continues phased startup of conversion operations.
- FY 2012 focus:
 - Achieve around-the-clock, 24/7 operation of all four conversion lines.
 - Safely convert DUF₆ cylinder inventory at design capacity.
- More than 1,500 metric tons of DUF₆ processed so far in FY 2012.

2012 Eco Fair

Nearly 500 Lone Oak, Heath, and St. Mary 6th graders attended 3rd Annual Eco Fair May 15 in WKWMA.



Lone Oak Middle School 6th graders pet a mallard hen at a Kentucky Department of Fish and Wildlife demonstration of how waterfowl are banded and tracked.

2012 Eco Fair

CAB, DOE, LATA KY, KY Department of Fish & Wildlife Resources, Paducah Power, TVA, Natural Resources Conservation Service participated.



CAB Chairman Ralph Young of Recycle Now! talks to Eco Fair attendees about the importance of recycling.

Documents Recently Submitted to Regulators

Document	Submittal Date	Regulatory Review Period
Groundwater OU - SW Plume Remedial Design Report - 30% (D1)	June 6, 2012	90 Days (DOE requested 30-day review)
Groundwater OU - C-400 Phase IIa Remedial Design Report - 100% (D2)	June 18, 2012	30 Days
Burial Grounds OU - FS Report, SWMUs 2, 3, 7, 30 (D1)	April 30, 2012	90 Days
Surface Water Surface Water OU - RI/FS Work Plan (D2/R1)	June 14, 2012	30 Days
CERCLA Waste Disposal Alternative - RI/FS Report (D1)	May 8, 2012	90 Days



Board Discussion...



CITIZENS
ADVISORY BOARD



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure



June 27, 2012

David Huizenga
Senior Advisor for Environmental Management
U.S. Department of Energy
1000 Independence Avenue
Washington, DC 20585

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Dear Mr. Huizenga:

We are pleased to learn that the labors of many people have resulted in the extension of production at the Paducah Gaseous Diffusion Plant (PGDP). The Paducah Citizens Advisory Board recognizes that a host of people were involved in working out the details so that PGDP could remain operational for another year, until May 2013. We would especially like to recognize Mr. Bill Murphie of your staff for his tireless commitment to working with all parties to make the extension possible.

We feel the decision to re-enrich the high assay tails at the Paducah Plant was the correct decision. By making this decision, DOE Environmental Management (EM) will reduce its inventory of waste cylinders and, as a result, a significant remediation cost savings will be realized. It also will help preserve our natural uranium inventory for future use and provide a source of U.S. origin fuel to use for National Nuclear Security Administration needs in the coming years.

As we look beyond May 2013, we ask you to review our Recommendation 11-07, "Re-Enrichment of High Assay Tails". Of the 8,800 cylinders at Paducah which contain sufficient U-235 to re-feed, approximately 1,100 will be processed by May 2013. This leaves approximately 7,700 cylinders which have economic value. Allowing the Paducah Plant to continue to strip these tails cylinders would reduce waste volume for DOE EM (and thereby reduce remediation costs) while generating usable product and revenue. No funds are currently appropriated in the federal budget for the transition and for Decontamination and Decommissioning of the PGDP. By keeping the PGDP operational during this time of revenue shortfalls, DOE EM can delay the start of the massive post-operational cleanup of the PGDP while utilizing this opportunity to make transition plans.

Importantly, as a matter of national security, America's only source of domestically enriched uranium is produced at Paducah. Until American Centrifuge technology becomes a dependable and viable alternative, the Paducah Plant can provide enriched uranium for our national defense and nuclear energy needs so that America is not solely dependent upon a foreign-owned and controlled enrichment facility. Gaseous diffusion is, admittedly, an energy intensive method for enriching uranium. However, the fact remains that the PGDP is a safe and reliable plant. For sixty years the PGDP has been in continuous production, testifying to the brilliant minds which developed the technology.

DOE EM has made the wise decision to extract an asset from a liability. Once the final cell is silenced at the Paducah Plant, the opportunity to re-enrich the remaining high assay tails will be gone. For the sake of the nation and its people, it is imperative that the decision be made to re-enrich the remaining high-assay tails cylinders.

Respectfully,

Ralph Young
PGDP Citizens Advisory Board Chair

Enclosure:
Recommendation 11-07



Email Distribution:

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Leeper, B., Senator
Lewis, J., USEC
McConnell, M., Senator
McCubbin, R., Rand Deputy State Director
Mullins, T., KDWM
Murphie, W., DOE/PPPO
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Nielson, M., DOE-HQ
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Wiles, M., McConnell Field Representative