



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Future End Use

Subcommittee Meeting Summary

April 15, 2010 • 7:00 p.m.

Subcommittee Members Present: Ralph Young, Chair, Maggie Morgan, May Louise Zumwalt, Judy Clayton, Dianne O'Brien

DOE Representatives: Buz Smith

DOE Employees, Contractors and Regulators: Mark Mattheis, Craig Jones; Rich Bonczek; Gaye Brewer; Suzanne Clinton; Bruce Gardner; Tim Kreher; Ed Winner; Leo Williamson

Ralph Young called the meeting to order at 7:00 p.m.

1. Mark Mattheis gave a presentation: DUF6 Conversion Project. All presentations are available at the CAB website: <http://www.pgdpcab.org/>
 - Purpose of project is to convert DOE's DUF6 to uranium oxide. There are 37,000 cylinders currently stored at the PGDP.
 - 4,800 cylinders in Oak Ridge have been transferred to Portsmouth to make a total of 21,000 cylinders in Portsmouth
 - It will take an estimated 25 years to process 37,000 cylinders.
 - Project is expected to employ 240 employees total; currently, 150-156 are employed. Majority of operators are steel workers.
 - Uranium occurs in nature as an oxide
 - Converted to UF6 to be enriched
 - Enriched U is converted back to oxide for reactor fuel
 - Depleted U has been stored as UF6 since it was produced.
 - DUF6 Conversion is based on a proven technology use in Richland, Washington and Lingen, Germany.
 - The uranium oxide will be processed for disposal unless a reuse is found.
 - The aqueous HF acid will be sold to a commercial supplier for industrial use.
 - Shipments will be a combination of both truck and rail.
 - Each truck shipment will contain approximately 4000 gallons
 - Maximum of 14 shipments/week.
 - Each railcar shipment will contain approximately 18,000 gallons
 - Maximum of 3 railcars/week
 - Upcoming Milestone Dates:
 - April, 2010: Management Self Assessment
 - June 7, 2010: Contractor Operational Readiness Review
 - July 6, 2010: Dept. of Energy Operational Readiness Review
 - August 23, 2010: Authorization to Introduce DUF6
2. Ralph Young, Chair, reviewed an email distributed to the committee and gave an update on the project.
 - Next round of focus groups scheduled for May 3rd
 - Dianne O'Brien volunteered to participate

- CAB representatives(s) will be included in the session with local economic development leaders. No venue booked as yet.
- Groups must be limited to 12-15 people to optimal discussions.

There being no further business, the meeting adjourned at 8:10 p.m.

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