



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

111 Memorial Drive • Paducah, Kentucky 42001 • (270) 554-3004 • PaducahCAB@bellsouth.net • www.pgdpcab.org

Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes October 16, 2008

The Citizens Advisory Board (CAB) met at the CAB office in Paducah, Kentucky, October 16, 2008, at 6 p.m.

Board members present: John Anderson, Allen Burnett, Bobby Lee, Shirley Lanier, Elton Priddy, John Russell, Jim Smart and Don Swearingen

Board members absent: Judy Clayton and Alex Roman

Board Liaisons and related regulatory agency employees: Bill Clark, Kentucky Division of Waste Management (KDWM); Stephanie Brock and Dewey Crawford, Kentucky Radiation Health Branch (RHB)

Deputy Designated Federal Official: Reinhard Knerr

DOE Federal Coordinator: Rob Seifert

U.S. Department of Energy (DOE) related employees: Rich Bonczek, Yvette Cantrell, Bryan Clayton, Kim Crenshaw, Tracey Duncan, Bruce Gardner, Marc Hill, Gail Mattson, Eric Roberts, Buz Smith and Tom Snyder

Public: Louella Aletads, Randall Barnes, and Melissa Kelly

Agenda

The agenda was modified to discuss the status of the Waste Disposal Options public meeting during the Federal Coordinator Comments. **The Board approved the agenda as modified.**

Deputy Designated Federal Official Comments

Knerr presented project updates to the Board. All presentations are available on the CAB Website at www.pgpdcab.org. Questions and answers (paraphrased) appear below.

Questions/Comments	Answers
Burnett: Where was the waste from the DOE Material Storage Area disposed?	Knerr: Most of the waste was sent to Energy Solutions. Some of the waste may have been sent to the Nevada Test Site and some volumes were sent to the C-746-U Landfill.
Smart: Will Phase I of the Electrical Resistance Heating at C-400 be complete before Phase II begins?	Knerr: The Independent Review Team that was put together by Headquarters recommended a phased approach to focus on one area. Any improvements or adjustments would be incorporated prior to installation of Phase II. It will be a sequential activity.
Smart: Will there be continuity issues on the C-400 project since the remediation contract may be issued to a different contractor?	Knerr: DOE will make available existing subcontracts to the remediation contract awardee to take over management.
Smart: Is Paducah Remediation Services (PRS) eligible to rebid the contract?	Knerr: Yes.
Lee: Will the Depleted Uranium Hexafluoride Conversion Facility be operational in January?	Knerr: Construction will be complete in January and the readiness review process will begin. Operations are scheduled to begin in 2010.
Burnett: It is a two year process from construction completion to operations. Are there benefits for DOE to reduce that time period?	Knerr: Paducah is fortunate that Portsmouth is going through the process first and will have the lessons learned from any issues. Lessons learned from across the complex will also be utilized. That is part of the reason for the schedule.
Lee: Is there a contamination measurement for the Decontamination and Decommissioning buildings?	Knerr: The facility can be torn down to slab. The slabs are surveyed for residual contamination and as an additional precaution fixative is applied to the slabs to prevent migration of contaminants and for protection of the workers. The survey data identifies the levels of contamination and area will require routine surveillance. Radiation ropes and postings will also be maintained.
Lee: Could other buildings be constructed on top of those slabs or are their restrictions?	Knerr: The slabs are not categorized according to end use. DOE would have to evaluate release to a commercial entity or reuse for DOE. It would depend if the contamination was completely removed or controlled.
Burnett: What is the status of the Environmental Indicator since the signs were posted?	Knerr: Hopefully by the next Board meeting Kentucky will have an announcement to make on the Environmental Indicator.

Federal Coordinator Comments

Seifert thanked Burnett for his service and work as Chair for the past couple of years and welcomed Lee as the new Board Chair.

Burnett has made DOE aware that his employer will be supporting the nickel procurement portion of the Request for Proposal and is concerned of a potential conflict of interest. Burnett will recuse himself from discussions or votes pertaining to the nickel.

DOE will host a waste disposal options public meeting on November 18 from 4:00 to 7:00 at the Robert Cherry Civic Center. The meeting will be an educational type workshop in preparation for future meetings and focus on DOE activities and scope up to the 2019 timeframe, explain the CERCLA process and opportunities for public input. The CAB is invited to provide a booth explaining who they are and the CAB mission. Seifert asked the CAB for interest in setting up a subcommittee meeting to review the materials that will be presented at the public meeting. Staff will contact Alex Roman, Public Outreach Subcommittee Chair, to organize a subcommittee meeting to review the materials.

DOE has issued responses to all of the CAB recommendations.

Presentations

Green Remediation

Clayton, PRS, provided a briefing on Green Remediation. The presentation is available on the CAB Website at www.pgpdcab.org. Questions and answers (paraphrased) appear below.

Questions/Comments	Answers
Lee: How does DOE initiate a test on a technology?	Clayton: If the work is being done through the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process, a Treatability Study and Work Plan would be developed and submitted to the regulators for approval of the action. If the test is governed by another process, a permit modification would be necessary.
Smart: The Permeable Treatment Zone is a well proven technology. Four or five years ago DOE invested considerable time and money on this project. As I recall, it could not be injected due to a contractor that had proprietary technology and wanted to charge DOE a considerable amount of money and the project was terminated.	Clayton: The portion of the project that failed was associated with the injection. The contractor planned to retool but wanted DOE support. Another contractor had a different installation method but there were issues with patent. That technology does have flaws such as clogging and does require maintenance.

<p>Lee: It sounds like some of the technologies won't work at Paducah due to the depth of the Regional Ground Aquifer (RGA).</p>	<p>Clayton: The depth limitation is a factor. Going away from the plant around Little Bayou Creek, the RGA is closer to the surface and technologies such as Geo-Siphon may work. PRS is in the process of modifying the baseline to include a treatability study in the area of Little Bayou Creek but are not to the point of identifying the technology. That technology will hopefully be able to be utilized at the plant.</p> <p>Knerr: DOE is looking at the Geo-Siphon if additional funding for testing is available.</p>
<p>Burnett: Does the Environmental Protection Agency require or suggest Green Remediation at the site? Does green remediation change the approach at the site?</p>	<p>Clayton: DOE's approach is driven by CERCLA. The components of CERCLA for a Feasibility Study analyze nine components of criteria. Two criteria have to be met to use that technology or response action. Five of the criteria are balancing criteria used to determine implementation and the two other criteria are modifying criteria, which is state and public acceptance gained from comments.</p>

Scenario Planning: Future Uses for the Paducah Site

Lee provided a briefing on Scenario Planning: Future Uses for the Paducah Site. The presentation is available on the CAB Website at www.pgpdcab.org. The process included the following process:

1. **Assemble a team:** Six to eight people recommended
2. **Select a Timeframe:** Envision 20 years from now at the Paducah site
3. **Trends and Uncertainties:** Identify trends that influence the site and have a known pattern. Uncertainties are important but the direction is unclear.

The presentation listed political, economic, cultural, demographic and technological trends and uncertainties and provided a matrix to determine positive, negative, unclear or no correlation.

Lee requested that the Board send a list of uncertainties that influence the site to staff to update the matrix and initiate the four scenarios. The Long-Range Stewardship Subcommittee will meet several times to develop full descriptions of the four scenarios.

Administrative Issues

Motions

Letter for Chairs Signature - Lee presented a letter that was prepared at the Washington D.C. Chairs Meeting. The letter commended Assistant Secretary James Rispoli on his support of the Environmental Management Site-Specific Advisory Board and public involvement during his tenure. **The Board approved adding the Chair's signature to the letter.**

Chair-Elect - Judy Clayton was elected Chair-Elect by acclamation.

CAB Work Plan – Staff will revise the Work Plan to indicate the Waste Disposal Options public meeting in November instead of October. **The Board approved the Work Plan.**

Recommendation - The CAB recommended that if DOE decides to pursue the radiation survey flyover plan, the area of the flyover should be expanded to include the DOE reservation and the West Kentucky Wildlife Management Area. Specifically, the CAB would like for DOE to include the area west of the Paducah site to Bethel Church Road, east to Mayfield Metropolis Road, south to Woodville Road and north to the Ohio River. **The Board approved the proposed recommendation.**

November Agenda

The November Board meeting agenda will include presentations on the Generic Engineering Evaluation/Cost Analysis and the CERCLA Five-Year Review. Lee will present the status on the Scenario Planning and DOE will provide an overview of the Public Meeting.

The meeting adjourned at 8:45 p.m.