



# PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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## **Paducah Gaseous Diffusion Plant Citizens Advisory Board Working Session Summary April 17, 2008**

The Citizens Advisory Board (CAB) met at the CAB office in Paducah, Kentucky, April 17, 2008, at 5:30 p.m.

**Board members present:** John Anderson, Allen Burnett, Judy Clayton, Bobby Lee, John Russell, Jim Smart and Don Swearingen

**Board members absent:** Shirley Lanier, Elton Priddy and Alex Roman

**Board Liaison members and related regulatory agency employees:** Mike Guffey, Ed Winner, Kentucky Division of Waste Management (KDWM); Turpin Ballard, David Williams, U.S. Environmental Protection Agency (EPA); and Tim Kreher, Kentucky Department of Fish and Wildlife Resources (KDFWR)

**U.S. Department of Energy (DOE) Deputy Designated Federal Official:** Reinhard Knerr

**DOE Federal Coordinator:** Rob Seifert

**DOE-related employees:** Rich Bonczek, Yvette Cantrell, Bryan Clayton, Kim Crenshaw, Tim Echelard, Jim Ethridge, Bruce Gardner, Dave Guyan, Fraser Johnstone, Jerry Mayes, Janet Miller, Bill Murphie, Eric Roberts, and Jeff Snook

## **Announcements**

Burnett presented a letter of appreciation for the success of the Paducah Chairs Meeting to Eric Roberts, Kim Crenshaw and Yvette Cantrell. Plaques were presented to David Williams, Mitch Hicks and Jon Maybriar for their commitment of time, support and dedicated service to the CAB.

## **Southwest Plume Status**

Bryan Clayton, Paducah Remediation Services (PRS), provided an update on the Southwest Plume path forward. The overview included the following:

- Informal Dispute Resolution
  - DOE to conduct a Focused Feasibility Study (FS) for three Southwest (SW) Plume source areas
  - DOE to develop a Proposed Plan and Record of Decision (ROD) for the SW Plume sources
  - SW Plume Dissolved-Phase Plume handled as part of Ground Water Operable Unit (GWOU)
  - Solid Waste Management Unit (SWMU) 4 remains in Burial Grounds OU
  - 2008 Site Management Plan to include Enforceable Milestones: SW Plume Sources Focused FS Report, Proposed Plan, ROD and GWOU Dissolved-Phase Plumes Remedial Investigation/FS Work Plan
- SW Plume Focused FS
  - Study will address SWMU 1, SWMU 102 and the C-720 Building near Northeast and Southeast corners of the building
  - Study will use Site Investigation Report data
  - Detailed alternatives analysis will evaluate technologies for treatment and removal of trichloroethylene principal threat wastes and technologies for treatment of shallow groundwater contamination near the source areas
  - D1 Focused FS/Risk Assessment scheduled for 12/19/08

Lee requested the schedule for the Dissolved-Phase Plume. Knerr said he would provide the schedule following the meeting.

## **CERCLA Waste Disposal Evaluation Scoping Document**

Jeff Snook, DOE, provided a presentation on the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Waste Disposal Evaluation Scoping Document. The presentation included the following:

- Information Sources
  - Previous environmental studies at the Paducah Gaseous Diffusion Plant (PGDP)
  - Other DOE sites with on-site CERCLA disposal facilities: Oak Ridge, Weldon Spring, Fernald and Hanford
  - Commercial waste disposal facilities and other DOE sites with disposal facilities regulated by DOE
  - Federal and state regulations
  - DOE orders
  - Discussion with EPA, Kentucky, the CAB and public
- Preliminary Alternatives Summary and Key Information to be Collected
- CERCLA Process Layout
- Near-Term Schedule
- Near-Term Public Involvement Schedule

Questions and answers regarding the presentation (paraphrased) appear below.

Questions/Comments	Answers
<p><b>Russell:</b> Is the CERCLA threshold criteria in order of priority?</p> <ul style="list-style-type: none"> <li>• Protection of human health and the environment;</li> <li>• Compliance with applicable or relevant and appropriate requirements;</li> <li>• Long-term effectiveness;</li> <li>• Reduction of mobility, toxicity, and volume;</li> <li>• Short-term effectiveness;</li> <li>• Implementability;</li> <li>• Cost;</li> <li>• State acceptance; and</li> <li>• Community acceptance.</li> </ul>	<p><b>Ballard:</b> The first two criteria must be met. The preferred alternative is primarily decided using the next five balance and trade off criteria, and the last two criteria are considered after the first seven criteria are met including comments from the community.</p>
<p><b>Lee:</b> Scenario planning might be helpful in determining the alternative. How will socioeconomic impacts be determined? This will impact future use of the site.</p>	<p><b>Murphie:</b> One of the benefits to an on-site disposal cell is potential accelerated cleanup. The money saved from off-site disposal could go back into cleanup. The analysis of new economic benefits versus the downside will be considered. The decisions are influenced by public involvement.</p>
<p><b>Lee:</b> The community should be involved early in the process for better acceptance of the chosen alternative.</p>	<p><b>Murphie:</b> DOE views the CAB as the primary focal point for public involvement. DOE and the CAB have had past discussions about creating a task group to discuss the two biggest decisions: whether there will be an onsite disposal cell and residual or final cleanup levels. There are plans for additional public meetings.</p>
<p><b>Lee:</b> This is an opportunity for the CAB to get involved with some of the scenarios for future cleanup and that may help to decide the ultimate cleanup alternatives.</p>	<p><b>Murphie:</b> The idea of a focus group first surfaced during the discussion of the Politics of Cleanup. Those decisions will take a long time. DOE would like for the CAB to facilitate the community input.</p>
<p><b>Russell:</b> On the Environmental Information Center (EIC) document availability list, what is the Waste Disposal Alternatives at the Paducah Gaseous Diffusion Plant document that is on the list?</p>	<p><b>Roberts:</b> The title is misleading. That correspondence is a thank you letter from DOE to the Radiation Health Branch on their comments for waste disposal alternatives. Staff has contacted the document center for the comments.</p>

<p><b>Kreher:</b> Would it be possible for the CAB to review the documentation from the previous CERCLA cell siting studies and public comments?</p>	<p><b>Snook:</b> DOE is reviewing previous documentation and some of the information is being updated. The top three or five sites along with the evaluating criteria will be shared with the CAB and the CAB will have the opportunity to review the criteria to see if they agree or have suggestions for additional criteria to be considered. The public comments should be available at the EIC.</p> <p><b>Murphie:</b> DOE is also looking at documentation from other sites to learn from their successes and failures and their evaluating criteria.</p>
<p><b>Russell:</b> Explain what each category of waste includes such as Toxic Substances Control Act (TSCA) waste, Low-Level Waste (LLW), and Resource Conservation Recovery Act (RCRA) wastes.</p>	<p><b>Knerr:</b> Criteria for each kind of waste can be provided to the CAB.</p>
<p><b>Kreher:</b> Why can't the nonhazardous solid waste such as concrete be recycled?</p>	<p><b>Murphie:</b> It may be more cost effective after considering characterization to recycle or reuse. For example, nonhazardous soil can be used for compacting in the cell instead of utilizing clean soil. This chart identifies what can go in the cell, not necessarily what has to go in the cell.</p> <p><b>Knerr:</b> Some of the nonhazardous solid waste meets the authorized limits for disposal containing some traces of contaminants.</p> <p><b>Murphie:</b> Some of the contaminants can be cleaned but it may not be cost effective when it can go into the cell in its current condition.</p>
<p><b>Lee:</b> How will a CERCLA cell affect recreational or industrial uses?</p>	<p><b>Kreher:</b> The effect on recreational use depends on the siting of the CERCLA cell. KDFWR is hesitant to spend money on a restoration project on the Wildlife Management Area when the decision on a CERCLA cell is unsure. There is a 30 day notice of the management lease on DOE property.</p> <p><b>Anderson:</b> The effect on the industrial use depends on the end vision of the site. The Politics of Cleanup is very important for developing an end vision. It will be beneficial to check with other sites on how the CERCLA cell has affected their industrial uses.</p>

<p><b>Smart:</b> Would it be possible for the CAB to visit a site with a CERCLA cell or schedule a presentation from another site and review their documentation?</p>	<p><b>Murphie:</b> DOE will set up some speakers and visiting another site is possible. A significant amount of video and historical background is available.</p> <p><b>Snook:</b> As a starting point, DOE can provide the documentation from the other sites.</p>
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All presentations are available on the CAB Website at [www.pgpcab.org](http://www.pgpcab.org).

### Community Outreach

Clayton asked if the CAB could be involved with the Leadership Paducah tour of the United States Enrichment Corporation. Knerr said the past tour did not include DOE. Joe Tarantino, Paducah Remediation Services (PRS) or Stacy Thomas, Leadership Paducah can provide more information.

### Other

Lee said she is having problems accessing the Data Warehouse. Knerr will contact PRS on the problem.

The meeting adjourned at 7:15 p.m.

### Actions

1. DOE will provide the schedule for the Dissolved-Phase Plume to Lee. *Closed, 4/17/08.*
2. DOE will provide public comments from prior discussion of the CERCLA cell. *Closed, 5/9/08.*
3. DOE will provide criteria for waste categories such as TSCA, LLW, and RCRA wastes.
4. DOE will schedule presentations with representatives from other sites to discuss the CERCLA cell and provide documentation from other sites.
5. Staff will discuss CAB participation in Leadership Paducah with Chamber of Commerce.
6. PRS will contact Lee on Data Warehouse access. *Closed, 4/24/08.*