



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Working Session Summary June 19, 2008

The Citizens Advisory Board (CAB) met at the CAB office in Paducah, Kentucky, June 19, 2008, at 5:30 p.m.

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

Board members absent: John Anderson, Elton Priddy and Alex Roman

Board Liaison members and related regulatory agency employees: Todd Mullins, Ed Winner, Kentucky Division of Waste Management (KDWM); Turpin Ballard, U.S. Environmental Protection Agency (EPA); Tim Kreher, Kentucky Department of Fish and Wildlife Resources (KDFWR); Stephanie Brock, Dewey Crawford, Rob Gresham, and John Volpe, Kentucky Radiation Health Branch (RHB)

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

DOE Federal Coordinator: Rob Seifert

DOE-related employees: Rich Bonczek, Russ Boyd, Yvette Cantrell, Kim Crenshaw, J.R. Dearholt, Bruce Gardner, Dave Guyan, Steve Hampson, Fraser Johnstone, Brenda Jones, Jerry Mayes, Janet Miller, Todd Nelson, Leon Owens, Eric Roberts, Ted Theopolos, Rochelle Zimmerman, and Cynthia Zvonar

Public: Gary Vander Boegh

Radiological Survey

The radiological flyover survey will be delayed due to authorization approval for a flyover from the Nuclear Regulatory Commission to the United States Enrichment Corporation. The approval will take approximately six months.

Draft Environmental Assessment for the Disposition of Nickel

DOE issued a Nickel Environmental Assessment (EA) on June 13 for public review. The Nickel EA identifies three options; no-action alternative, disposal alternative, and disposition of nickel for controlled radiological use. The proposed action is the disposition of nickel for controlled radiological use. Three potential siting options for manufacturing and recycling were identified at Oak Ridge, TN, Paducah, KY or a generic site or sites at more than one of these locations. The public comment period closed July 16, however, Oak Ridge has submitted an extension. The document is available at <http://www.oakridge.doe.gov> or a hard copy can be obtained at the Environmental Information Center.

Trichloroethylene Fate and Transport Project

Steve Hampson, Kentucky Research Consortium for Energy and the Environment (KRCEE), provided a briefing on the Trichloroethylene (TCE) Fate and Transport project. The overview included the following:

- Phase I - Data Evaluation
 - Determination of TCE degradation rate in the Regional Ground Aquifer (RGA) utilizing existing data
 - Range of half-life rates from 4-26 years
- Phase II - Aerobic Degradation Investigation Conclusions
 - Three lines of evidence for occurrence of aerobic co-metabolic TCE degradation in the RGA:
 - Decrease in concentrations of TCE along plume flowpath (decrease is greater than ⁹⁹Technetium)
 - Positive Enzyme Activity Probe results provide evidence that co-metabolism is occurring and contributing to TCE degradation
 - Stable Carbon Isotope (SCI) well-pair evaluations support occurrence of co-metabolism in the Northwest Plume
 - Aerobic co-metabolic degradation is occurring in the RGA
 - Rate of the TCE degradation in dissolved phase is attributable in some degree to co-metabolism.
- Phase III - Stable Carbon Isotope Investigation Status
 - DQO process completed
 - Applied DQO to evaluation of SCI data collected in support of Phase II Aerobic Investigation
 - Future activities to be scoped
- Phase IV – Abiotic Degradation Investigation
 - Compiled existing site data related to abiotic degradation process from historical activities
 - Conducted preliminary literature review
 - Future activities to be scoped

Hampson said additional details will be included in the White Paper which is due to DOE on July 15.

Senior Manager Meeting Briefing

Knerr provided an overview of the May Senior Managers Meeting. The overview included the following:

- Critical Projects to complete cleanup by 2019
 - C-400 Interim Action
 - Southwest Plume

- Dissolved-Phase Plume
- Burial Grounds Operable Unit
- CERCLA Waste Disposal Options
- Projected Federal Facility Agreement Documents
 - 224 projected documents Fiscal Year (FY) 2008 through FY19
- Budget Impacts
- Schedule Impacts
- Paducah Site Challenges
 - Long-term vision for site
 - Work planning/scheduling
 - Resource limitations

The Senior Managers will attempt to meet quarterly.

All presentations are available on the CAB Website at www.pgpdcab.org.

CAB Recommendations

Burnett discussed two recommendations to increase public communication and public education in waste disposal option decisions. The recommendations will be distributed via email to the CAB for comment, reviewed at the June Executive Committee meeting and be proposed for approval at the July Board meeting.

Seifert will provide the media list that is used by DOE to disseminate information to the CAB for review.

Other

All Board members that are interested in attending the Chairs Meeting on September 16-17 should contact CAB staff prior to the June 24 Executive Committee meeting.

The Executive Committee will set a tentative date for the Annual Planning Retreat and begin discussions for potential agenda topics.

Public Comment

Vander Boegh said he was available to discuss the CERCLA cell with the CAB and DOE since he was involved in the initial discussions in 1993 for the existing landfill. There is an Engineering Evaluation Study for the C-746-U Landfill if the CAB is interested. He suggested live television opportunities for DOE to communicate information to the public.

The meeting adjourned at 8:10 p.m.

Actions

1. DOE will provide the media list that is used by DOE to disseminate information to the CAB. *Closed, 6/23/08.*