



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Paducah Gaseous Diffusion Plant Citizens Advisory Board Meeting Minutes March 18, 2010

The Citizens Advisory Board (CAB) met at the Environmental Information Center (EIC) in Paducah, Kentucky on March 18, 2010, at 6 p.m.

Board members present: Judy Clayton, Chair, Ralph Young, Chair-Elect, Robert Coleman, Mark Sullivan, Alex Roman, Maggie Morgan, Allen Burnett, May Louise Zumwalt, David Franklin, Don Swearingen

Board members absent: Shirley Lanier, Jonathan Hines, Elton Priddy, John Anderson, Dianne O'Brien

Board Liaisons and related regulatory agency employees: Stephanie Brock, KY Radiation Health Branch, Nathan Garner, KY Radiation Health Branch, Ed Winner, KY Dept. Waste Management, Gaye Brewer, KY Dept. Waste Management, Brian Begley, KY Dept. Waste Management, Turpin Ballard, EPA

Deputy Designated Federal Official: Reinhard Knerr

DOE Federal Coordinator: Buz Smith

U.S. Department of Energy (DOE) related employees: Joe Tarantino, PRS, John Gadd, PRS, Janet Miller, PRC, Scott Smith SST, Tony Graham, McCracken Co. Sheriff's Dept., Yvette Cantrelle, RSI, Rich Bonczek, DOE, Bruce Gardner, PRS, Suzanne Clinton, EHI, Eric Roberts, EHI, Jennifer Salsbury, PRS, Kevin Kytola, Sapere Consulting

Public: Gary Vander Boegh (briefly), Joe Huggson, Building & Trades Medical Screening, Larry Trake, GEL Laboratories, Alan Harrington, Matt Tuttle

Introductions

Kevin Kytola, Sapere Consulting, Board facilitator, welcomed everyone and allowed for round-table introductions. Kytola reviewed agenda, the scope of the CAB and stated fifteen minutes are allotted for public comment and that members of the public must sign in to speak.

Deputy Designated Federal Official Comments

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

Question/Comment	Answer
<p>Burnett: It appears looking at the target funding levels that your plus-up money for FY-10 is basically shifted out of FY-11 and is, essentially, in the red?</p>	<p>Knerr: Given the amount of work planned in FY-11, that was determined to be a sufficient amount of funding. Additionally, the site has quite a bit of carry-over from FY-09 to FY-10 and that's really the reason that you saw a drop in FY-11. It doesn't make sense for the money to sit parked at the site; if we're not spending it, it can be spent somewhere else.</p>

Question/Comment	Answer
<p>Burnett: Does a decrease in funding translate to decreased employment levels?</p>	<p>Knerr: The funding that is targeted for us is the funding we believe is necessary to complete the work that we have planned that fiscal year. Obviously, if there's more money available, that translates to more jobs.</p>

Question/Comment	Answer
<p>Young: We have a lot of momentum going at the PGDP clean-up and I'm worried that the [funding] rug may be pulled out from under us. Are you able to stay creative and keep the momentum going?</p>	<p>Knerr: Obviously, the amount of work we are able to perform at the site is dependant on funding levels. One of the things we do is to make sure we have work planned that is "shovel-ready" so that in the event that any additional monies become available, we can expend those funds in the current fiscal year. In the past, we've used D&D projects for those type funds. Right now, we do have other projects lined up in the event that we receive additional funding.</p>

<p>Coleman: Does environmental impact have an effect on the timetable of the cleanup?</p>	<p>Knerr: The biggest source of contamination at the site is the TCE in the groundwater. The C-400 project should be operational April 1st and it is the top priority. The burial grounds are also a priority. All projects have to be balanced from a risk perspective as well as from a long term perspective.</p>
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DOE Federal Coordinator Comments

Buz Smith stated he would like to recognize CAB members for amount of work that went into the four Recommendations that are on the agenda. Smith stated DOE appreciates the dedication and hard work of the CAB and values their advice and input. Smith also recognized the work of CAB member, Allen Burnett, on the SWMU 4 recommendation. A date for the next public meeting on waste disposal options will be determined in the near future as well as a date for the C-400 ribbon cutting.

Liaison Comments

Ed Winner reported a great deal of progress has been made at the PGDP site in the last few months that is impressive to see and C-400 is about to come online. If one were to project out 18 months to two years at the current funding level, the site will be fundamentally different than it is today.

Subcommittee Recommendations/Comments

Groundwater Subcommittee

Maggie Morgan, Chair, Groundwater Committee gave a presentation on a Recommendation entitled **Optimization of the Northwest Plume Pump and Treat System, 10-01.**

The recommendation is as follows:

The PGDP CAB fully supports the Northwest Plume Interim Remedial Action Optimization project and recommends that DOE continue with the process of expediting time frames and enhanced communication efforts between the Department of Energy, U.S. EPA, and Kentucky Division of Waste Management.

Expediting projects such as this is in the best interest of the public, as it will result in increased removal rates for TCE and ⁹⁹Tc from the area of the Northwest Plume containing the highest concentrations of these compounds. The CAB acknowledges the uniqueness of this project because the Record of Decision is already in place. Further, the CAB is aware that the actual pump and treat process is not changing; only the location of the extraction wells. That being said, the CAB believes this process of expediting time frames through enhanced communication between the Department of Energy and the regulators is a good idea, and should continue in the future.

In addition, the PGDP CAB recommends the lessons learned from this project be applied to future projects.

Kevin Kytola polled each board member on the Recommendation.

UNANIMOUSLY APPROVED

Burial Grounds Subcommittee

Allen Burnett, member of the Burial Grounds subcommittee, gave a presentation on a Recommendation entitled, **Accelerate Remediation of Solid Waste Management Unit (SWMU) 4, 10-02.**

The recommendation reads as follows:

The PGDP Citizens Advisory Board recommends that DOE:

- 1. Commit up to \$200 million to accelerate the removal action for SWMU 4 at PGDP,*
- 2. Provide necessary funding by July 2010 to fully initiate the acceleration of the removal action for SWMU 4 at PGDP, and*
- 3. To the extent possible, reallocate baseline funding to accelerate SWMU 4 TCE DNAPL removal and remediation of SWMUs 2, 3, 5, 6, 7, 30, and 145 as determined by the FS.*

Acceleration of the SMWU 4 removal action would eliminate TCE sources within the burial ground which feed the Southwest Plume contamination. This would be accomplished up to 4 years in advance of the current baseline schedule with an estimated cost savings of \$3.6 million. Acceleration of this project would allow DOE to make use of a fully trained work force with security clearances, to prevent

further contamination to the Regional Groundwater Aquifer, and to reduce the risk to human health and safety and the environment.

Kevin Kytola polled each board member on the Recommendation.

UNANIMOUSLY APPROVED

Waste and D&D Subcommittee

Mark Sullivan, Chair, Waste/D&D, gave a presentation on a Recommendation entitled, **Recommendation for DOE's Contingency Plan for a Potential Waste Cell Breach, 10-03.**

The recommendation reads as follows:

The PGDP CAB recommends that, as part of the evaluation of waste disposal options at the PGDP, DOE communicate to the public potential consequences of a containment failure. This would establish bounds on the consequences of containment failure and put the risk to the public health and safety and the environment into perspective.

It is anticipated that the DOE response will include:

- *a description of possible failure modes,*
- *how radioactive and/ or hazardous materials could be released and how quickly,*
- *a plan for repairing identified damages, and*
- *DOE's plans to minimize the consequences of a failure.*

Kevin Kytola polled each board member on the Recommendation.

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Executive Committee

Judy Clayton, Chair/Executive Committee, gave a presentation on a Recommendation entitled, **Commendation on Rapid Action and Communication Regarding Allegations of Contaminates from Paducah Gaseous Diffusion Plant at Heath Elementary School, 10-04.**

The recommendation reads as follows:

The Paducah Citizens Advisory Board wishes to commend DOE on its decision to take the anonymous, handwritten note seriously and for its speedy response in ascertaining whether there were indeed contaminants contained within the soils at Heath Elementary School which might have originated at the PGDP. That DOE and PRS developed an information bulletin which was provided to all involved persons indicates that DOE is sensitive to the concerns of the community.

Because the whole area of the grounds surrounding the Heath Elementary School was surveyed above ground and soil samples were taken and tested with no findings of contamination, it is recommended that DOE compile this information into a retrievable document. The CAB further recommends that DOE compile data from all future surveying and sampling into retrievable form so that it will not be necessary to repeat such surveying and sampling.

Kevin Kytola polled each board member on the Recommendation.

UNANIMOUSLY APPROVED

Community Outreach Subcommittee

Robert Coleman, Chair of the Community Outreach Subcommittee reported the he was unable to be present for the entire subcommittee on February 18. Coleman said he has since met with Federal Coordinator Buz Smith and discussed various aspects of the clean-up as it relates to the Community Outreach Subcommittee. Also in the works is an “Eco-Fair” event that will be held this May 11th-12th or the 13th and 14th in case of rain-out at the West Kentucky Wildlife Management Area. Approximately 469 students are committed to attend from Paducah, Heath, Lone Oak, and Ballard and CCA middle schools. Reidland and St. Mary have not yet responded, but have indicated an interest in their students participating. Kids will visit nine educational stations at the event. In addition, the speaker’s bureau presentation continues to be under review.

Future End Use Subcommittee

Ralph Young, Chair of the Future End Use Subcommittee, reported the KRCEE process has been delayed by a month until after KEA. During the next round of focus groups they will be working to gain more feedback on the scenarios in development. Only persons that have not participated before can participate in the second round.

Administrative Issues

Review of revisions to Operating Procedures and protocols—First Reading

-Term of Board Chair (First Reading)

Eric Roberts reported that one of the things looked at when assessing the capabilities of the board is that having a Chair and Chair-elect requires the CAB to have a leadership turnover every year. Normally, there is approximately a six-month ramp-up period before a new Chairperson gets up-to-speed which then leaves them with only another couple of meetings before the Chair-Elect takes over. The amendment “Term of Board Chair” under consideration would change the title of “Chair-Elect” to “Vice-Chair” and allow the Chair to serve an additional term if both the Chair and the board are amenable. In addition, this change would create some stability in Chairs and Subcommittee Chairs. Elections would still be held on a yearly basis, so this change would not necessarily mean Chairs would serve a two-year term.

-Protocol for Utilizing a Member of the Public in Subcommittee Meetings (First Reading)

Roberts stated DOE has provided guidance as to how to utilize a member of the public on a subcommittee but there is no formal procedure. This proposed protocol would formalize that procedure.

-Protocol for Developing Recommendations from Subcommittees (First Reading)

This protocol formalizes the process for Recommendations that come out of Subcommittees.

It was agreed that any comments on the amendments should be emailed to the CAB office before the April Subcommittee meeting.

Top Three Issues

Judy Clayton reported the Executive Committee had developed two draft issues as follows:

- Priority #1: The complete funding for the acceleration of the remediation of SWMU 4 at the PGDP.

- An unlined burial pit, SWMU 4 contains degraded drums of TCE resulting in the primary and secondary sources of the Southwest Plume contamination as it moves toward potentially expanding offsite.
- Acceleration of this project allows for use of a trained work force with security clearances, prevents further contamination to the Regional Groundwater Aquifer, and reduces the risk to human health and safety and the environment.
- Priority #2: DOE's continued commitment to involving stakeholders and the community in decisions concerning a potential CERCLA cell's need, location, and waste acceptance criteria
 - DOE cost and schedule advantages alone do not justify a CERCLA cell at Paducah. These defenses will not sway public opinion.
 - The information presented in public meetings should be in layman's terms so that it can be easily understood and digested.
 - Information from all public meetings regarding the potential CERCLA should be placed on the PGDP CAB website for public to peruse at their leisure. Points of contact should be provided. Supporting information/further description (as needed)

The Executive Committee developed the following draft accomplishment and major board activity:

- Accomplishment: Developed and approved a recommendation endorsing the collaborative effort between DOE and regulatory agencies that enabled the swift relocation of the Northwest Plume pump and treat extraction well which, in turn, lead to increased TCE and Tc99 removal rates
- Major Board Activity: Development and approval of a Speakers Bureau presentation as part of a renewed community outreach effort. A full calendar of speaking dates is being finalized.

It was agreed that the Executive Committee would work to develop a third priority relating to the importance of keeping momentum going at the PGDP site by not reducing baseline funding. It was further agreed that the Executive Committee will finalize the priorities, accomplishment, and board activity.

Review Work Plan

Eric Roberts reported that the Work Plan was developed with the knowledge that it might need to be adjusted as the year goes on. The Subcommittee Work Plan was revised as follows:

Waste Disposition and D&D Subcommittee

2009 - 2010 Topics

Month	Subject	Topic
April 2010	Waste Disposal Options RI/Feasibility Study	Review, discuss and provide public comment and/or a recommendation regarding the alternative (s)
June 2010	Waste Disposal Options RI/Feasibility Study	Review, discuss and provide public comment and/or a recommendation regarding the alternatives (s)
August 2010	FY 2011 Project Briefings	Project Update and Briefings in preparation for Annual CAB Retreat

Burial Grounds Subcommittee

2009 - 2010 Topics

Month	Subject	Topic
April 2010	Burial Grounds Feasibility Study	Review, discuss and provide public comment and/or a recommendation of the alternatives
June 2010	Burial Grounds Feasibility Study	Review, discuss and provide public comment and/or a recommendation of the alternatives
August 2010	FY 2011 Project Briefings	Project Update and Briefings in preparation for Annual CAB Retreat

Groundwater, Surface Water, and Soils Subcommittee

2009 - 2010 Topics

Month	Subject	Topic
April 2010	Surface Water Offsite	Review and Discuss Surface Water Offsite Work Plan and RI Scoping

June 2010	C-400 Phase II	Review results of Phase I TCE source removal and discuss possible recommendation to continue/discontinue Phase I activities and move forward with Phase II
August 2010	FY 2011 Project Briefings	Project Update and Briefings in preparation for Annual CAB Retreat

Community Outreach Subcommittee

2009 - 2010 Topics

Month	Subject	Topic
April 2010	Earth Day Celebration	Participate in Earth Day Celebration
June 2010	Speakers Bureau	Finalize a list of forums and speakers to do presentation
August 2010	FY 2011 Project Briefings	Project Update and Briefings in preparation for Annual CAB Retreat

Future Use Subcommittee

The mission of the Future Use Subcommittee is to make recommendations regarding the future land use and end state of the PGDP site that represents the community's interest.

2009 - 2010 Topics

Month	Subject	Topic
April 2010	KRCEE	Review of Focus Group Activity
June 2010	KRCEE	Review CAB's role in Public Meeting
August 2010	Preliminary planning for FY 2011	

Public Comment Period

Facilitator Kevin Kytola checked the sign-in sheet for attendees signed in to make public comments and found none.

There being no further business, the meeting was adjourned.