

**Paducah Gaseous Diffusion Plant
Citizens Advisory Board
Draft Meeting Minutes
July 19, 2001**

The July 19, 2001, Citizens Advisory Board (CAB) meeting was held at the Information Age Park Resource Center in Paducah, Kentucky, at 5:30 p.m.

Board members present: Nola Courtney, Mark Donham, Judith Duff, Judy Ingram, Vicki Jones, Rebecca Lambert, Merryman Kemp, Ronald Lamb, Linda Long, Doug Raper, Craig Rhodes, John Russell, Rosa Scott, Jim Smart, Bill Tanner and John Tillson.

Board members absent: Leon Owens and Gregory Waldrop.

Ex Officio members present: Jeff Crane, Environmental Protection Agency (EPA); Jim Lane, Kentucky Department of Fish and Wildlife Resources; Gaye Brewer, Kentucky Division of Waste Management (KDWM), and Linda Martin (KDWM).

The **Deputy Designated Federal Official** present: Dianne Feireisel.

The **DOE Federal Coordinator** present: Pat Halsey.

DOE-related employees present: Greg Cook, Raul Castaneda, Jim Ethridge, Bruce Gardner, Mary Hall, Jill Holder, Craig Jones, Steve Kay, Chris Marshall, John McClintock, Janet Miller, Bruce Phillips, Shirley Speer, Tom Wheeler, and Stacey Young.

Public: Craig Guess, Vicki Jurka, Ruby English, James Rose, Nita Bean Rose, Kristi Hanson, Al Puckett and Andy Smith.

Agenda

Donham called the meeting to order. Courtney introduced the new Board members. They are: Judith Duff, a home health nurse from Metropolis, Illinois; Rebecca Lambert, director of the Chamber of Commerce in Metropolis, Illinois; and Dr. John Russell, chair of the Engineering Department at Western Kentucky University in Bowling Green. Donham asked for additional introductions then turned the meeting over to Kay. Kay asked if there were modifications to the proposed agenda. **The Board approved the agenda by consensus.**

Minutes

The June minutes were approved by consensus.

Deputy Designated Federal Official's Comments

Feireisel addressed action items from the June meeting. She said as soon as the Oak Ridge contact is reached regarding the CAB Web site, the materials requested will be posted.

Feireisel said DOE is working on the maps requested by the Community Concerns subcommittee and is ready to meet with the group to discuss how the maps were prepared. Feireisel noted one Occurrence Report for the month at SWMU 123. A subcontractor discovered railroad cross ties with levels of radioactivity slightly above background. This was fixed contamination found during routine sampling of a concrete rubble pile.

Feireisel said that a Scrap Metal Disposition Programmatic Environmental Impact Statement (PEIS) is in the scoping stage and could affect Paducah. There are several public meetings scheduled and money is available for members who want to travel to these Scrap Metal PEIS public meetings.

Young reported that preparations for moving the CAB office are underway. She said the Board might want to consider which documents need to be transferred to the new office, considering the Environmental Information Center (EIC) would be located next door. She asked the Board to review the current inventory in the packet and Kay to revisit this topic at the end of the meeting.

The Board agreed to have the Chamber of Commerce assist in a ribbon-cutting ceremony for the new office and the EIC. Young is to coordinate the event.

Donham asked what fixed contamination means and what type of material was found. He asked if these were the rubble piles that had required No Further Action. Feireisel said fixed contamination means it is not mobile. The cross ties were found under the rubble pile. The rubble piles that DOE is removing from the Wildlife Management Area were those designated previously as No Further Action.

Tillson questioned the feasibility of scanning a six-foot rubble pile.

Tillson said he would like a copy of the plant topographical maps requested earlier by Donham under a Freedom of Information Act request and to make this an action item.

Donham asked if the Scrap Metal PEIS is only for surface contamination. Feireisel said she thought so. He asked about a hearing in Paducah. Feireisel said that is not planned, but the board could ask for one. Donham said he would like such a hearing in Paducah. Kay asked the Board if they would like to make a recommendation to have a PEIS meeting in Paducah. **The Board approved the recommendation by consensus.**

Ingram asked if the North South Diversion Ditch and the Surface Water Operable Unit were still in Dispute Resolution. Halsey said yes.

Jim Lane asked if the contamination from the cross ties could become mobile. He asked if there should be a soil test. Crane said that issue has been brought up and that is why the DOE made an occurrence report.

Tillson asked how workers are testing the rubble piles. He asked if they used a conveyor belt. Cook said no. Tillson also asked how they were able to ascertain the situation in a bucket when there may be contamination 2-3 feet lower. He said he has found contamination to be very localized. Kay asked if the Board could get an answer at the next meeting.

Donham said he would like to follow-up on Ingram's earlier question regarding the North-South Diversion Ditch.

Crane said they had to decide if disposal should be based on milestones or funds. He said it was important to let everyone know expectations. Based on current funding, no cleanup will be performed in Fiscal Year 2002 other than the North-South Diversion Ditch project, he said. The dispute there is centered on whether regulators will allow indefinite storage of material. The bottom line is how much can be disposed of on-site and how much can go to an off-site facility. Crane said they are waiting on new Waste Acceptance Criteria (WAC) for the C-746-U Landfill, but he does not believe that will resolve the dispute. EPA has not ruled out allowing material to be disposed of in the C-746-U Landfill, he said.

Feireisel said DOE believes the landfill needs to be an option. She said DOE does not plan to keep the contaminated soils indefinitely but cannot give a definite date because other options have to be considered, such as other local disposal options of sending the material off-site. That would cost about \$35 million, she said.

Tillson said he was concerned about off-site disposal costs. He asked about the number of cubic yards of material to be disposed. Crane said it was about 40,000 total cubic yards.

Donham said he and Tillson have requested hearings with the state about the landfill, but

have not heard anything. Donham asked where the EPA stands. Crane said a permit modification would require a public hearing.

Ex-Officio comments

Tillson said he heard the state had no say so in radiation control. He also said he wanted a hearing on disposing of additional materials in the C-746-U Landfill. Brewer said she will let him know whether there will be a hearing.

Crane said state is not authorized to oversee radiation. In recent litigation, the state lost and DOE self-regulates. Donham asked for a final copy of the court order that states that the state has no radiation jurisdiction. He also asked if there would be authorized limits on scrap metals for release.

Tillson asked about Envirocare disposal costs. Andy Smith of Envirocare care said it was the company's position to hold prices confidential. He offered to provide numbers to Tillson in a different forum. Tillson said the cost would not be \$35 million with that volume. Feireisel said transportation costs are high. Jurka said she had asked that question in another form and was told disposal was \$800 per cubic yard. Kay said there would be more information at the next meeting.

Donham asked about funds limiting cleanup to the North/South Diversion Ditch only. He asked if most money would be spent on DOE Material Storage Areas (DMSAs). He asked if there would be an EA on the DMSAs or if it would be categorically excluded. Feireisel said DMSAs would be addressed in the Waste Disposition EA.

Brewer proposed to send updates to Board members by e-mail and mail to those who do not have e-mail the week before the regular meetings.

Presentations

Bill Tanner made a sediment control presentation on behalf of the Surface Water task force. Tanner said the task force found that the FFA requires DOE to install site-wide sediment controls for 19 outfalls, but the recent D1 Engineering Evaluation/Cost Analysis on sediment controls addresses only two outfalls — 015 and 011. He said there were disagreements between DOE and the regulators on sediment controls, including what will be done in the sediment control basins. Currently, water goes through sewers and storm pipes into the outfalls. The task force feels the solution is to separate the plant's storm and process sewers and treat the water and to prepare a true site-wide plan.

Donham asked how many inches of rain constitutes a combined-sewer overflow problem. Crane said even a short duration could cause localized conditions.

Tanner said that there is potential for off-site contamination due to rainfall. The sediment plans only address suspended solids. The task force considers surface water the most immediate threat because DOE has installed controls to protect the public from

contaminated groundwater. He said DOE, the State and EPA could not agree on acceptable contaminant levels in surface water and they should set a limit industry can use.

On behalf of the Surface Water Task Force, Tanner made a recommendation for DOE. Kay called for discussion on the proposal.

There was discussion about the need for sediment controls from Martin. She said surface water treatment was an issue because the wildlife area has 10,000 visitors a year and contaminated water is flowing from the plant to that area. She stated that during large rainfalls, that some of the outfalls have significant levels of contamination, above action levels and that surface water runoff was a significant issue.

There was discussion about establishing risk levels. Lane said that some human health will be lower than ecological numbers and vice-versa so the most conservative numbers may be good. Kemp suggested asking for both. Donham asked about cumulative effects of multiple contaminants and whether the limits would take that into account. **Crane said when you have multiple carcinogens in a risk assessment, the total risk is added to accumulate a total risk value. That doesn't mean that it accounts for synergistic effects. It's only an additive effect of the carcinogens. EPA's risk assessments account for multiple carcinogens to the total carcinogenic effect and do not include synergistic effects.** Each contaminant has a certain concentration that would be considered independent of the others. Crane suggested that risk assessors might need to come to the Board to explain the process. It was stated that this was already tried with not a lot of success.

Donham suggested putting something in about adequate monitoring.

English said her concern is that so much contamination has gone through the stream that it has affected the wildlife and humans. She said contamination does not stop at the fence. She suggested that the EPA do its own assessments.

The following recommendation was approved by consensus:

1. DOE, working with Kentucky and EPA, should establish human health and ecological risk-based, fair, just and equal numerical values for potential contaminants in surface water discharges.
2. DOE, using the parameters established in this recommendation, should develop a site wide surface water management plan addressing all outfalls by December 2002.
3. Included in the surface management plan should be:
 1. Separation of combined sewers.
 2. Suspended and dissolved treatment alternatives selected.

3. Use of localized controls.
4. New industries such as, but not limited to, UF6 and metals recovery should be made responsible for surface water in their operating area.
5. A comprehensive monitoring plan.

Groundwater Operable Unit Task Force Report

Smart gave the report. Donnie James, a businessman who lives in Reidland, has volunteered to help with task force. The task force will work with Gary Bodenstein on funding issues for C-Sparge. The Task Force also has discussed the use of Teflon versus PVC in monitoring wells and looked at cost considerations.

Landfills/Waste Operations Task Force Report

Kemp said there has been great difficulty in getting the task force together for a meeting. The task force is scheduled to meet August 8, 2001 at 5:30 at the new CAB office and will meet with the Surface Water task force on August 22, 2001.

Donham commented on a DOE newsletter article, saying it only mentioned part of the Board's recommendation on a seismic study in conjunction with a Feasibility Study on CERCLA waste disposal options. He asked if there would be a clarification printed in next newsletter. Halsey said yes.

Budget, Finance and Administration Report

Raper said there was no report, but he would be meeting with Halsey before the August meeting and could have some numbers to report then. Halsey said DOE will have a better feel of what the House and Senate are doing and what funding will be available.

Community Concerns Report

Rhodes suggested a meeting for July 24, 2001 at 5:30 with DOE representatives to discuss map status. The time was changed to 6:00.

Public Involvement Report

Ingram discussed surveys. Gardner will update surveys as they arrive. Ingram said the task forces would like plant neighbors to get involved.

Training and Programs

No report.

Membership

Courtney said new members do not have to use a form letter for appointment, but one is available.

Review of Workplan

Hanson asked about the earthquake study. Feireisel said they are developing field plans. Hanson asked if they would be drilling or trenching. Martin proposed trenching.

English asked about the location of 746-U Landfill and how far it will extend. Martin said the proposed footprint is fenced. Marshall said future expansion to the north is possible. Martin said she thought they had entire footprint. English said it would be at her door if it expands. Feireisel said DOE will provide her with a map. Donham said he and Tillson have requested a public hearing and may be forced to sign a 60-day RCRA notice.

Review of Agenda

Halsey said the Budget and Lifecycle Baseline need to be on the agenda.

Donham asked if a draft of the Waste Disposition EA would be available by August. Young said the D2 is scheduled to be delivered to the regulators by August 15.

Donham questioned the status of the DMSAs. He said when the issue was first brought up USEC had to drop the seismic upgrade because the DMSAs were in the way, but the DMSAs couldn't be moved because of criticality issues. Kemp asked if a DMSA expert could meet with the Board. Kay asked if the Board wanted a placeholder for the August meeting. Donham asked if there is a document on DMSAs and the prioritizing of DMSAs. Crane believes there is one prepared relating to state action under RCRA.

Young said members should e-mail suggestions to the Board about office documents. Donham volunteered to make a recommendation about CAB office documents.

Federal Coordinator Comments

Halsey mentioned the Chairs meeting to be held in Santa Fe in August. Linda Long, Doug Raper and Greg Waldrop are planning to attend. Young and Kay are also attending.

Young said she would like to provide a plant tour for the new members.

Donham asked if a written submission needed to be made for a hearing in Paducah. Halsey said she would let headquarters know Paducah wants a hearing.

The Board was reminded of the November 8-10 Groundwater Conference.

Meeting adjourned.

