

**PGDP Citizens Advisory Board
Water Quality Task Force
March 12, 2004 * CAB Office**

CAB Members Present: Linda Long
Jim Smart, Chair
Dorothy Starr
Bill Tanner

DOE Representatives Present: David Dollins

**Commonwealth of Kentucky
Representatives Present:** Brian Begley (via telephone)
Jon Maybriar (via telephone)
Todd Mullins (via telephone)
Vicki Voisard (via telephone)

**Subcontractor
Representatives Present:** Rudy Bonilla, BJC (via telephone)
Bryan Clayton, BJC (via telephone)
Bob Robinson, Navarro (via telephone)
Rosalie Robinson, GEO (via telephone)

Support Staff Present: Kim Crenshaw
Kendra Payne

Public: Vicki Jurka

The meeting was called to order at 12:00 p.m.

Water Balance Update

Begley reported the groundwater modeling group meeting scheduled for March 4 had been cancelled due to a decision made by the U.S. Department of Energy (DOE) stating a water balance was not in the modeling group's scope of work and was not scheduled in the Fiscal Year 2004 Baseline activities. He said he will be writing a letter to DOE stating his concerns regarding this decision. Tanner said at the last draft Risk-Based End State (RBES) document workshop there were proposed changes to the document that would utilize groundwater modeling to determine the impact plant closure would have on the plumes. Smart suggested a recommendation to continue researching the benefits for a site-wide water balance. Dollins suggested a letter be submitted to William Murphie, DOE, instead of a recommendation. Smart said he would draft a recommendation for the April task force meeting asking for resources to accomplish a sensitivity study and cost analysis.

Site-Wide Sediment Controls

Smart stated a recommendation was issued to DOE in July 2001 regarding site-wide sediment controls. Tanner said the recommendation was for DOE to develop a strategy for sediment controls. He stated this would not only allow sediments to be controlled, but also have a set policy that would not have to be reinvented for every project. Dollins asked the Board to discuss and fully consider the time and cost involved before further pursuing this recommendation. Tanner suggested the group should invite the DOE project-specific manager for site wide sediment controls to the next Water Quality task force meeting. He said surface water runoff affects public health and the environment and this issue needs to be addressed. Maybriar said the CAB needs to look at the data for sediment controls before making any decisions.

Southwest Plume Site Investigation

Tanner said a recommendation was submitted to DOE in October of 2003 regarding the Southwest Plume Site Investigation. He said subsequent to that recommendation, it was determined the storm sewer line leading to Outfall 008 is a United States Enrichment Corporation (USEC) utilized line, which has continuous non-contact process water flows, in addition to storm water flows. Clayton said he believes that USEC has an automatic sampler on this outfall but he will research and inform the CAB of his findings at the next task force meeting. Tanner suggested, in lieu of this discovery, the CAB submit a revision to the previous recommendation to be voted on at the March Board meeting. He suggested the Board request the following:

1. Simultaneous and continuous flow level recording be collected at all manholes along the sewer line of concern.
2. Compare the level recording with soil samples and video camera survey results to determine the actual leak point within the line.

Clayton said a revision to the current workplan would be possible, but DOE would need to submit a letter to the regulators to approve the additional data. Mullins said the Commonwealth of Kentucky would welcome the recommendation. Clayton said fieldwork is scheduled to begin in April.

Northeast Plume Extraction Wells/Pump and Treat

Payne provided *Trichloroethylene and Technetium-99 Groundwater Contamination in the Regional Gravel Aquifer for Calendar Year 2002 at the Paducah Gaseous Diffusion Plant* to supply Jurka with the information that was requested at the last task force meeting regarding how close technetium had been detected to the security fence.

Jurka suggested that the task force address the handling and disposition of high concentrations of sludge material mentioned in the draft RBES document. Tanner recommended this issue be proposed to the Waste Disposition task force. Jurka said it was stated at the RBES Workshop that contaminants have impacted the McNairy. Smart asked who could speak to the Water Quality task force on this issue. Tanner said he will be discussing the status of DOE project-specific personnel with Murphie at the March

Board meeting. Bob Robinson said he may be able to answer groundwater questions and questions regarding the McNairy. Smart asked Payne to invite the DOE project-specific manager to address questions/concerns about the McNairy.

End State Vision

Tanner reported a memorandum from the Paducah Area Community Reuse Organization (PACRO) was issued to DOE recommending the selection of an independent consultant to analyze the Paducah site's potential for reindustrialization. He said this information could be very useful to the CAB regarding the cleanup of the site. Tanner said the cost would be approximately \$400,000 and PACRO has asked if the CAB and other organizations could assist in the funding. He said he would make the full Board aware of the PACRO recommendation at the March Board meeting.

Next Month's Agenda

1. Water Balance
2. Site Wide Sediment Controls
3. Southwest Plume Site Investigation
4. McNairy

The meeting adjourned at 1:30 p.m.

Action Items

Smart: Provide draft recommendation to DOE asking for resources to accomplish a sensitivity study and cost benefit analysis for a comprehensive water balance.

Staff: Invite DOE project specific manager to discuss Site Wide Sediment Controls at next task force meeting.

Clayton: Provide information whether or not USEC has continuous sampler at Outfall 008.

Tanner: Provide revision to the Southwest Plume Site Investigation recommendation for the March Board meeting.

Staff: Present the issue of disposition of highly contaminated sludge matter to the Waste Disposition task force.

Staff: Invite DOE project-specific manager to discuss the McNairy at the next task force meeting.