

**PGDP Citizens Advisory Board
Water Task Force
February 6, 2004 * CAB Office**

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

DOE Representatives Present: David Dollins

**Commonwealth of Kentucky
Representatives Present:** Brian Begley (via telephone)
Gaye Brewer

BJC Representatives Present: Bryan Clayton (via telephone)
Craig Jones (via telephone)

Support Staff Present: Kim Crenshaw
Kendra Payne

Public: Vicki Jurka

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

C-400 Proposed Remedial Action Plan

Smart stated the C-400 Proposed Remedial Action Plan is available at the Board office for review. He reported the document lists Three-Phase Heating as the preferred alternative for implementation to the C-400 Cleaning Building area. Clayton said comments are expected from the Commonwealth of Kentucky by February 29, 2004. There will be a 45-day comment period. Dollins stated the document should be available on the internet soon.

Water Balance Status

Clayton reported the modeling meeting was conducted February 5 and the items listed in the scope of work from the 2000 Water Balance study were reviewed. He stated the project team is compiling technical reasons for conducting each item on the list. He said the team will meet again on March 4 to discuss a scope of work that could be cost productive and useful for an in-depth water balance. Clayton said the list will then be given to the U.S. Department of Energy (DOE) and Bechtel Jacobs Company LLC for a cost estimate, along with the set of reasons for implementing a water balance full scale. Smart asked if he could participate in the March 4 conference call. Clayton said he would provide Smart with a call-in number.

Tanner said a Water Balance could be helpful in understanding plume migration and to determine what is going to happen after the plant shuts down. He said a water balance could determine which remediation actions would help control the groundwater plumes.

Jurka reported the figures representing gallons of water in the Environmental Impact Statement for the Depleted Uranium Hexafluoride document were inconsistent with the information that was presented in the January Water task force meeting. Tanner said the variations in documents reiterate the necessity of a Water Balance.

North-South Diversion Ditch

Jones reported the Surge Basin and excavation of Section 2 of the North-South Diversion Ditch (NSDD) has been completed and all waste acceptance criteria has been met. He said 1,330 burrito bags were generated and 474 of those bags have been disposed in the U-Landfill. Disposition of the remaining bags will possibly be completed by the end of February, depending on the weather. Jones stated authorized limits for the waste streams disposed in the C-746-U-Landfill are being monitored.

Jones reported DOE is working with the Commonwealth of Kentucky to approve the Sampling Plan to begin work on Section 1 of the NSDD. He said the Sampling Plan is an appendix to the Remedial Action Work Plan that includes verification and waste characterization sampling. Jones stated the Commonwealth of Kentucky has requested a 15-day extension to reach an agreement. He reported the fieldwork contract will be awarded next week and the project will proceed in March, pending regulatory approval.

CERCLA Five-Year Review

Tanner expressed his concern regarding a section in the Five-Year Review document stating that the North extraction wells may be failing to reduce the high concentration core in the Northwest Plume. The high concentration is moving to the east, bypassing the extraction wells. He asked if this was going to require further action. Clayton said the north wells were installed with the intent to intersect the high concentration zone from the Northwest plumes. He said at this time there are no plans for additional wells or altering the current pumping from the wells to determine if the bypass may be a malfunction or a result of being close to the river.

Tanner said the Five-Year Review also indicated that the Northeast Plume may be moving. Clayton said technetium 99 (Tc99) has been discovered in the Northeast Plume and agreements are in place with the Commonwealth of Kentucky and the U.S. Environmental Protection Agency to sample certain wells and resample if needed. He stated these wells are used as an early warning device to detect Tc99 before reaching the cooling towers. Begley said the new wells along Metropolis Lake Road were sampled and no Tc99 or trichloroethylene was found. Tanner asked if new plume maps would be available in July. Clayton said yes.

Jurka asked where Tc99 had been identified with regard to the Northeast Plume. Clayton said there is a document available identifying this information. He said he will send the title of the document to Payne. Jurka asked if the extraction wells are above the landfill area. Clayton said no, and that the extraction wells are a mile southeast of the landfill.

Surface Water Operable Unit Scoping Meeting Update

Jones reported the scoping meeting was held on January 20. He said there was scoping discussion regarding Sections 3, 4, and 5 of the NSDD, ditches connected to outfalls, associated sediment controls, and some storm sewers. He stated these issues are all recognized in the Agreed Order. Jones reported there will be a scoping document due to the regulators on April 30, 2004. He said all information obtained will be shared with the Citizens Advisory Board (CAB). He stated existing data will be utilized and additional data collected for issuance of a Site Investigation Report/Baseline Risk Assessment to the regulators. He said if there is contamination that warrants an action, it will be addressed.

Tanner stated a recommendation was made by the CAB concerning development of a Site Wide Sediment Control Strategy document that can be utilized in all projects to simplify issues before fieldwork could begin. He said he believed a draft document had been prepared, but it was put on hold due to the Site Management Plan dispute. Jones said information will be utilized that has already been developed, but a strategy document will not be produced. Tanner said the CAB may discuss this issue with DOE.

The meeting adjourned at 1:10.

Action Items

Clayton: Supply Smart with a call-in number for the groundwater modeling meeting.

Staff: Provide Jurka and task force with title of document for information regarding Tc99 in the Northeast Plume.