

**PGDP Citizens Advisory Board
Waste Operations Task Force
July 9, 2003 * CAB Office**

CAB Members Present: Mark Donham (via telephone)
Merryman Kemp (via telephone)
John Russell, Chair
John Tillson

DOE Representatives: David Dollins
Glen Newtown

KY Division of Waste Mgt: Gaye Brewer
Todd Mullins (via telephone)

Support Staff Present: Rudy Bonilla, Bechtel Jacobs Company LLC
Melanie Brewer
Steve Davis, Bechtel Jacobs Company LLC
Kendra Payne

Public: Ruby English

The meeting was called to order at 5:30 p.m.

C-746-U Landfill Update

Davis presented the C-746-U Landfill update to the task force. He reported that all suspected waste streams have been identified through sampling. No detectable results were found. The sampling was conducted in response to a Notice of Violation (NOV) issued in November 2002.

Questions:

Donham inquired about the sampling of trichloroethylene (TCE) degradation products. Davis said degradation products were not sampled. Donham said that organic chemicals degrade over time; therefore, the U.S. Department of Energy (DOE) should have sampled for both TCE and its degradation products. Dollins stated the workplan outlines the proposal DOE made to the Commonwealth of Kentucky. Dollins asked staff to provide a copy of the Sampling and Analysis Plan (SAP) to the task force.

Newtown reported 3,000 tons of concrete rubble was placed in cell three and 2,000 tons of concrete will be added once the review process is completed.

Dollins said the DOE Material Storage Area (DMSA) waste will be placed in the landfill if it meets the waste acceptance criteria (WAC). Gaye Brewer said some DMSA waste has already been placed in the landfill.

Russell inquired about the top-liner of the C-746-U Landfill. Newtown said the landfill has a cover, but no liner. Russell asked if the NOV has been lifted since sampling activities were successful. Davis said the NOV listed other issues that still need to be resolved.

English asked if DOE keeps two sets of landfill records, one to show Kentucky, the other for internal use. Newtown said there is only one set of records.

North-South Diversion Ditch (NSDD) Sections 1 and 2 Dispute Resolution

Dollins reported DOE is now in formal dispute with the U.S. Environmental Protection Agency (EPA) and the Commonwealth of Kentucky. Dollins said DOE has sent a counterproposal to the regulators. He reported the formal dispute period will end next week. Russell asked if the dispute involves sections 1 and 2 of the NSDD. Dollins said the issue is the frequency and volume of the soil sampling, the detection of the indicator chemical uranium, and transportation. He said the dispute is a matter of frequency of samples and the volume of soil.

Russell inquired about DOE's proposed action level. Dollins said the action level is 145 picocuries per gram (pCi/g). Russell was concerned about the number of bags that meet the screening level. Bonilla said Kentucky selected 100 pCi/g as an action level based on the sampling verification hazards. Russell inquired about the difference between the action levels. Mullins said the 100 pCi/g is statistically based and its original intention was to screen the soil in the ditch after soil had been removed from the ditch to insure that contamination was not left. It is Mullins' understanding that the 145 pCi/g is not a statistically based number, rather it is the maximum detect on level of the uranium 238 that has been found in the ditch. Bonilla said it is the level at which all toxicity characteristic leaching procedure (TCLP) data passes the WAC criteria.

Russell asked Bonilla the correlation between TCE and uranium 238. Bonilla said the correlation could be found in the sampling plan. Dollins said TCE is not a contaminant of concern. He said the contaminants of concern were six metals and one radioactive element.

Russell inquired about the process that led to the dispute. Dollins stated DOE wants both a productive and cost effective cleanup. He said this is the first on-site ditch that has been excavated, and that DOE wants to establish a set procedure in the event that other creeks and ditches may need to be excavated in the future.

Russell was concerned that DOE is disputing the condition requested by Kentucky to screen all excavated soil bags using handheld instruments. Russell said if there is potentially contaminated soil, then there is not a question whether the soil should be

excavated. He said if the soil is placed in the C-746-U Landfill, then all of the soil must be screened. Tillson said DOE should sample for metal plating and F-039 waste.

Russell said the Board's obligation is to make recommendations on issues the Board considers significant in the cleanup process. He said the CAB needs to become involved early in the process to make a recommendation. Dollins agreed.

NSDD 3, 4, 5 Sampling and Analysis Plan

Sampling data for sections 3, 4, and 5 of NSDD was presented. Dollins requested feedback from the task force. Russell and Tillson requested the data be presented in a different format. Russell said the task force will take a more in-depth look at the data. Dollins asked the task force to submit their request in writing for clarification. Russell was concerned about the section of the NSDD at the foot of the S&T Landfills. Russell said the samples indicate contamination exists in the area. Bonilla said many of the sampling results are above the action level but below the risk level.

F-Listed Wastes/NSDD

There was no discussion on F-listed waste.

Future Issues

Russell said burial grounds would most likely be a future issue for the task force and that work will begin in late 2003 or early 2004. He encouraged the task force to begin thinking about what kind of information they will need.

The meeting adjourned at 7:15 p.m.

Action Items:

Staff: Provide a copy of the NSDD RD/RA Workplan to the task force.

Staff: Provide a copy of the SAP to Donham.

Russell/
Tillson: Submit a written request to Bonilla asking him to present the data in a different format.