

**PGDP Citizens Advisory Board
Water Task Force
July 12, 2002, Noon, CAB Office**

CAB Members Present: Jim Smart
DOE Representative: Gary Bodenstein
Contractor Support Staff: Stacey Young
Kentucky Div. Of Waste Mgmt: Gaye Brewer
Todd Mullins, Brian Begley (via teleconference)
Public: Vicki Jurka, Al Puckett

Chairman Jim Smart called the meeting to order at 12:06 p.m.

Bodenstein presented, at the request of the task force, a history and overview of the Department of Energy (DOE) Water Policy. He explained that after groundwater contamination was discovered in 1988, DOE responded to an order from the U.S. Environmental Protection Agency to provide an alternative water source for affected households.

Shortly thereafter, DOE performed an Engineering Evaluation/Cost Analysis to review the means by which DOE would deal with the groundwater contamination. Three alternatives were considered and included: no action at a cost of \$1.6 million; installation of a carbon absorption/ion exchange system on each residential well at a cost of \$3.2 million; installation of municipal water lines at a cost of \$1.2 million.

DOE decided to install municipal water, and subsequently began paying water bills for those in the "water policy box." That area encompasses a total of 10,000 acres of which 2,900 acres are privately owned.

Currently, there are 104 households which have DOE-funded municipal water. The yearly water bill is approximately \$84,100 – or \$68 per household per month.

The water policy applies to existing homes and businesses, but DOE has historically paid for water for new construction or a change of ownership.

DOE's surveillance program encompasses 150 wells – 21 are residential.

Begley said there are about 250 wells that could be sampled (excluding private wells), but well construction records are incomplete or nonexistent. The lack of construction data prohibits samplers from knowing if they are obtaining a quality water sample.

Jurka asked why well sampling has been discontinued since March.

Bodenstein said there were mechanical problems with the C-612 treatment facility. Until the problem is repaired, there is no place to take the water gathered during a sample.

Bodenstein also reviewed the current DOE lease agreement. He said that the majority of agreements with DOE will expire in December 2002. Most households have signed a new, five-year lease. Bodenstein said some households have declined to sign the document.

Bodenstein said DOE is considering additional evaluation of the Water Policy boundary – which stands to the east at Metropolis Lake Road and to the west at Bethel Church Road. The evaluation will look at the new plume data and the potential path of the plume. He said money is available to add additional households to the policy if it appears those wells may be affected by the plume.

Puckett said that the state sampled his well and told him it was contaminated. Mullins said he was unaware of such data. Mullins will research the data with the Environmental Protection Cabinet, the local health department, and the Cabinet for Health Services and report back to Puckett.

Begley explained how the Agreement in Principle (AIP) that DOE and the state have works. He said the state takes independent samples that are sent to an independent lab. The state also splits samples with DOE for analysis. He said in neither case has he found trichloroethylene or technetium 99 in wells outside the defined water policy box.

The state samples for a host of volatiles and technetium 99. DOE samples for those, as well as metals and radiation.

AIP also provides sampling for residents outside the water policy box if requested.

Bodenstein gave a brief status report on the C-Sparge Treatability study. He said there is a question about a patent with the design elements. Discussions are ongoing. There has been no resolution.

Bodenstein reported the Six-Phase Heating installation is going well. DOE is on target to start up the system November 1, 2002. A date (November-December time period) will be established for CAB members to tour the Six-Phase Heating project.

The Corp of Engineers three-dimensional modeling software will be delivered August 15, 2002. Members of the task force are invited (location to be determined).

The meeting adjourned at 1:37 p.m.