

GIST meeting notes May 15, 2002

Minutes from the C-8 DuPont meeting May 15, 2002

The meeting began at approximately 10:20 am. Attending were Dave Watkins, George Dasher, and Don Criss of the Division of Water Resources (DWR), Chris Negley and Yvonne Anderson, representatives of the WV DEP's Legal Services, Bill Toomey for the Bureau for Public Health, Roger Reinhart and Karen Johnson of the US EPA Region III, Steve Williams and Sara Wallace of the Ohio EPA, Ann Bradley the law firm of Spillman, Thomas, & Battle, and Andrew Hartten representing DuPont.

The meeting began with a discussion of water sampling. Andrew Hartten stated that nearly all survey work was now complete, including return visits to certain residences where sampling was to be done. All sampling work is expected to be completed by the end of the month, May 2002. Sampling has been completed for all targeted wells except those wells that would require extraordinary measures to gain access. Dave Watkins said that those wells would not be sampled unless data from those wells is critical for plume identification. Andrew Hartten went on to briefly discuss the concentration data from the sampling events. Based on the 2-mile data results, the GIST agreed to cease survey/sampling efforts at the current radius extent.

Andrew Hartten then discussed sampling efforts in Ohio within the one mile radius of the Washington Works facility. The hydrogeology of the Ohio well fields and concentration data from the sampling events were discussed. It was mentioned that some of the highest concentrations of C-8 were found in wells screened in bedrock at elevations of 150 feet above the Ohio River. Bill Toomey asked if the age of the water had been determined. Steve Williams replied that some of the wells in the Little Hocking well field had been chronologically studied, and possibly other sites. The final report regarding public water supplies is expected to be completed by mid end of June 2002.

Andrew Hartten then briefly discussed the wells sampled on Blennerhasset Island. It was noted that only one of the four wells tested on Blennerhasset Island had been installed to provide drinking water - the other wells were drilled primarily to provide hydrologic data. Andrew Hartten stated that only one well on the GE facility used for drinking water (GE well 30) was sampled, as GE gave permission to access that well only ~~and did not wish to be interrupted upon~~ ^{and did not wish to be interrupted upon}.

Preliminary groundwater modeling results were then discussed. Andrew Hartten said that Mark Kozar of the USGS was also in the process of building a groundwater model of the Lubeck area and that model domain had closely resembled the domain model DuPont's modeler had put together, giving high confidence in key assumptions these models were built on. Preliminary groundwater modeling results indicate that hydrologic communication under the Ohio River is very unlikely. This assumption was confirmed by data taken from boring logs across the Ohio River in the vicinity of Blennerhasset Island. Well draw down data from DuPont, GE, and the Little Hocking PSD also strongly suggest that no hydrologic communication exists under the Ohio River. Andrew Hartten said that a groundwater divide under the Ohio River would exist even if DuPont ceased

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all pumping from their production wells. Models were shown to support that conclusion. The modeling report is expected to be completed in mid ~~June~~ * July 2002.
See Comment # 2

A lunch break was taken at that point. The meeting resumed at 2:25 pm.

Andrew Hartten then briefly discussed the final plans for contaminant plume identification. Andrew Hartten stated that DuPont will add three more monitoring wells at the main plant as per George Dasher's request, and that four new wells were to be installed at the local landfill site. These additional wells should close any existing data gaps. George Dasher asked for five additional monitoring wells to be installed at the Letart landfill site; two of these wells have been installed to date, with the installation of the other three wells to come in the near future. See Comment # 1

~~Additional~~ Ohio River surface water sampling ~~points were~~ was then discussed. Dave Watkins stated that sampling of the Ohio River would begin as soon as river conditions made it safe to do so.

The discussion then turned to air monitoring efforts. Andrew Hartten then briefly discussed air monitoring methodology.

Split sampling issues were then discussed. It was asked if the two labs handling the samples were "on the same page". It was noted that although there may be some difference in equipment, the procedures used by both labs was essentially the same. Roger Reinhart said that he will further explore this. Dave Watkins asked if there was a need for State certification of labs. The general consensus was probably not.

Other sampling concerns were then discussed. Dave Watkins stated that some citizens called inquiring about the possibility of sampling their milk, eggs, soil, or having a blood test done. At present there is no mechanism to do this as the C-8 sampling protocol is for a water matrix only. Andrew Hartten said he will get back to the GIST regarding the protocol for detecting C-8 in soil at a later time. Some citizens outside the sampling perimeter have requested their water to be sampled for C-8. Andrew Hartten said that Exygen has declined to accept water samples from the public due to concerns for sample chain of custody.

It was determined that no further ~~stepping out~~ expansion of the established PSD sampling ~~perimeters~~ locations was warranted in West Virginia, unless some new data comes in from the field to support the need for additional sampling. It was decided not to sample farther south downriver of the sampling area is warranted. The GIST agreed to initiate quarterly sampling of the Lubek, Little Hocking W.A., and Tupper's Plains PSD's in order to continue C-8 concentration monitoring near the DuPont facility.

* in a note in the margin of this paragraph, Andrew Hartten asks "Is this PSD's?" My recollection of this discussion is that it pertains to sampling in general. D. Criss

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It was noted that some PSD's further south may wish to have their water tested. Andrew Hartten said after looking at surface water sampling results and the data from the April sampling events, a decision could then be made as to whether or not DuPont may consider providing training to samplers if the PSD's would cover the cost of sampling and could satisfy chain of custody requirements for Exygen.

Bill Toomey asked if the reverse osmosis at the Lakin, Mason Co. PSD had good effect at removing C-8. Pre and post treatment data will be looked at to determine this.

The Meeting adjourned at approximately 3:30 pm. The next meeting will be held at the Division of water Resources in Charleston on July 31, 2002* to discuss contaminant plume identification. Comment #3

Comment #1

George Dasher pointed out that he had asked for additional monitoring wells at the landfills, and no additional monitoring wells at the main plant, and that none of the wells had been installed to date.

Comment # 2

This note was attached to the June 3, 2002 fax from Andrew Hartten:

"Note: Ran into software problem on base map. Final calibration being slightly delayed."

Comment #3

Andrew Hartten: "new date yet?"

Comments/changes noted in the Andrew Hartten June 3, 2002 fax are in blue

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