
From: Verhagen, Ingrid
Sent: Wednesday, December 08, 2004 8:40 PM
To: Ruotsinoja, Shawn
Subject: FW: Interview with MPR - PFOA timeline at Washington County Landfill

Importance: High

Shawn, I thought you might like to see the timeline for your own info.

-----Original Message-----

From: Verhagen, Ingrid
Sent: Wednesday, December 08, 2004 2:35 PM
To: Day, Douglas; Douglas, David
Cc: Lewis, Jeff
Subject: Interview with MPR - PFOA timeline at Washington County Landfill
Importance: High

Doug and Dave,

The timeline for activities at Washington County Landfill (Landfill) is outlined below.

February 5, 2004. I was provided with a memo from Dave Douglas to Bruce Brott suggesting that perfluorochemical wastes were disposed of at Landfill. I decided to sample for these compounds during the spring quarterly event.

April 6, 2004. I received call from resident along 31st Street (0.75 mile south of Landfill) requesting information on ground water contamination at Landfill and cancer clusters. (This resident also contacted risk assessors at MDH).

April 6-13, 2004. I asked Luke Charpentier if MDH analyzed for perfluorochemicals. Paul Swedenborg called me back to let me know that MDH did analyze for two perfluorochemicals--PFOA and PFOS. Only two laboratories analyze for PFOA and PFOS in Minnesota. They are 3M and MDH.

April 13-27, 2004. I generated a work plan for sampling of monitoring wells for perfluorochemicals at Landfill. Paul Swedenborg sent me the 3M SOP for sampling precautions that the samplers would utilize when collecting the samples. I forwarded both the plan and the SOP to Interpoll Laboratories (MPCA contractor). My discussion with the resident on 31st Street continued through this time period. Interpoll staff sampled on April 27, 2004.

May 6-10, 2004. I received a call from the Lake Elmo Leader and a resident wanted to know results of April 27 event. I bring Mike Rafferty into the discussion to keep PIO informed.

May 10, 2004. Samples analyzed for PFOA and PFOS by MDH.

June 1, 2004. MDH calls with results. I also got called by Jim Kelly of MDH. I contacted Helen Goeden at MDH to obtain information about ground water standards for PFOS and PFOA. Helen sent me documents on the development of the Health Based Value. PFOA was detected in monitoring wells above standards and was detected in Prairie du Chien wells 0.5 mile south of landfill. PFOA is detected further downgradient than the VOC plume.

June 2, 2004. I met with MDH health risk assessment staff, Jim Kelly and Ginny Yingling at the MDH laboratory to discuss MDH's method with the chemist. I mentioned that I wanted to sample the residents south of the landfill on 31st Street. MDH health risk assessment staff volunteer to collect the samples from the residential wells on 31st Street and any other wells south of the Landfill that are in use. [CLP budget is used to pay for the analysis of these wells]. Data is shared between the two agencies.

June 2, 2004. Data is officially reported to the MPCA.

June 4, 2004. Provided perfluorochemical results from monitoring wells to resident and Lake Elmo Leader.

Mid June 2004. MDH and MPCA develop a Fact Sheet and letter to set up a sampling event of residents south of the Landfill.

June 15, 2004. Interpoll resamples the monitoring wells around the Landfill to confirm the presence of perfluorochemicals. Results are generated by June 23, 2004. The levels in the monitoring wells are higher. There is also PFOA in the treated ground water. MPCA team decides that Feasibility Study needs to be completed to treat for PFOA.

June 21-22, 2004. MDH samples 28 residential wells.

July 1, 2004. MDH Laboratory informs MPCA and MDH that there were 4 hits of PFOA below the Reporting Limit.

July 8, 2004. MPCA and MDH meet to discuss resampling the 4 wells that had detections and to sample 4 other wells for requests that came in after the first sampling event.

July 20, 2004. MDH staff resample residents.

August 2004. MPCA team start discussions with Barr Engineering for a Feasibility Study. Joint letter and Fact Sheet is released with results of residential sampling. Seven residents have detectable PFOA below the Reporting Limit in their wells. They will be sampled yearly to track the concentration of the perfluorochemicals. At this point the concentrations are well below health standards.



Fall 2004. MPCA hydrogeologists decide to sample a cross section of landfills (7 landfills both rural and in the metro area) in the Closed Landfill program to determine if PFOA/PFOS is associated with production waste or with breakdown of products containing perfluorochemicals. Results indicate that PFOA and PFOS only found at Washington County Landfill and East Bethel Landfill. This suggests production waste is the reason for the presence of these compounds.
November 3, 2004. Work order issued to Barr Engineering for completion of Feasibility Study.
November 29, 2004. Landfill monitoring wells again sampled for perfluorochemicals.

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