To: Magnuson, Matthew[Magnuson.Matthew@epa.gov]
Sent: Fri 2/21/2014 7:41:53 PM
Subject: FW: EOC Spot Report: Update #26 Chemical Spill, Charleston, WV

From: Eoc, Epahq
Sent: Friday, February 21, 2014 2:36 PM
To: Eoc, Epahq
Subject: EOC Spot Report: Update #26 Chemical Spill, Charleston, WV

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EOC Spot Report: WV – Update #26
Chemical Spill, Charleston, WV

US Environmental Protection Agency

Report as of 1430 February 21, 2014

Overview: On January 10, 2014 the President approved an Emergency Declaration for the State of West Virginia after a chemical, 4-methylcyclohexanemethanol, (MCHM) leaked at a Freedom Industries chemical plant and into the Elk River in Charleston, WV. The spill occurred near the Kanawha Valley Water Treatment Plant which detected the chemical even after an increased carbon treatment effort was put in place. Freedom Industries is working to clean up the spill at the facility and in the river.

State, Local and other Federal Agency Actions:

In response to Governor Tomblin's request for assistance, Region 3 has provided statisticians from the Office of Ground Water and Drinking Water, who will provide assistance to the WV Bureau for Public Health. The Bureau has been charged with developing a sampling plan to assess drinking water in homes served by the WV American Water Company. The facility has also indicated they have begun shipping product (MCHM/PPH blend) to the Poca facility.

The facility received WVDEP approval to begin shipping the wastewater from Poca Blending Facility to Waste Management DSI in Hurricane, WV. The first shipment of waste water will be sent to DSI on Monday, February 24, and, after solidification of the wastewater, testing will determine the constituents of leachate from the solidified material.

The facility's meeting with the Charleston Waste Water Treatment Plant (WWTP) was well received. The facility answered the WWTP's concerns and agreed to provide additional

information.

EPA Action:

Efforts continue to determine the source of the off-site water that is flowing beneath the containment pad. The facility is collecting water samples, clearing the ditch between the abandoned railroad tracks and Barlow Road, and dye testing the water. The facility also collected water from the area just inside the containment pad to determine if one of the sources of the off-site water is a public water line.

Region 3's Water Program reported that continued sampling at the WV American Water intake indicates MCHM and PPH are not detectable.

Region 3's Water Program reported that the Region and the WV Bureau for Public Health received a summary rationale from American Water Company. The summary rationale describes the Company's assessment that the distribution system flushing, combined with customer compliance with instructions for flushing household premises, should be effective in removing MCHM from the water system distribution system. In the context of providing technical assistance to the Bureau for Public Health as well as the water company, American Water had requested EPA's review. A team comprising scientists from ORD (National Homeland Security Research Center and National Risk Management Research Laboratory) and the Office of Ground Water and Drinking Water's Water Security Division is currently reviewing the document and anticipates providing their evaluation to Region 3 in about a week.

OSC Melissa Linden reported that overnight operations focused on preparing for the rain storm and managing the increased volume of water expected on-site. Pumping operations continued through the night, including the interceptor trench, the oil/water separator loading area, and the water levels in the containment areas. The interceptor trench was pumped approximately once per hour during the day and evening yesterday. The facility moved the hose deeper into the interceptor trench late yesterday so the trench could be pumped less frequently.

Media Interest: Medium

The HQ EOC will continue to monitor and provided updates as needed.

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