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From: Kelly, Jack (R3 Phila.)
Sent: Sun 1/26/2014 8:08:23 PM
Subject: Fw: HOTSITE REPORT: Update - Freedom Industries, Charleston, WV

From: Burns, Francis
Sent: Sunday, January 26, 2014 1:28:05 PM
To: R3 HOTSITES
Subject: HOTSITE REPORT: Update - Freedom Industries, Charleston, WV

Bill Arguto of Region 3's Water Division reported that the West Virginia Division of Homeland Security and Emergency Management has posted operational sampling results as of January 25. Sample data for PPH testing as of Jan 23 and Jan 24 is also posted. The web site is http://www.dhsem.wv.gov/Pages/WV-American-Water-Emergency.aspx

OSCs Linden and Matlock reported that the facility is continuing to pump water from outside of the secondary containment area. The majority of the site is frozen and most of the holes/sumps dug inside the tank containment are frozen and cannot be pumped. The facility dug a hole behind Tank 394 about three feet down and found only loose fill, not the expected gravel/compacted soil. The hole was to prepare for a planned vertical French drain that could vacuum product from under the tanks. The subsurface loose fill and brick debris make the planned French drain ineffective for recovering product.

Ice in the river continues to be a significant issue with maintaining the river boom in place. The facility contractor is attempting to break ice and to properly position the river booms. Because of the ice, once the boom is repositioned further from the river bank, it will be allowed to freeze in place.

The facility and its remediation consultant, CEC, are scheduled to meet with WVDEP and EPA on Monday, January 27, 2014, to discuss the remediation plan.

Overnight the facility broke the surface ice on the containment trench at the base of the hill and pumped out the water to maintain a safe freeboard, which should prevent potential overflow. The facility reported that water seeped in underneath the liner. WV DEP, EPA, the facility, and their contractor discussed removal of the water and repair of the poly liner. The facility will add

salt to melt the ice in the trench and pump out the water. After the water is pumped out, the polyethylene liner will be cut and rolled back to pump out the accumulated water and possible product. The polyethylene liner will then be placed back in the trench and positioned into the hillside so it collects surface runoff, subsurface water and possible product.

This weekend, chemists and lab managers have formed a group to share information about the analysis of MCHM and PPH. The group participants include the National Guard, WV American Water, American Water Research, REI Consulting, DuPont, Dow, Matric, NIH, EPA R3 Lab and EPA ERT lab. The group is communicating by e-mails and conference calls.