To: Johnson, Alisha[Johnson.Alisha@epa.gov]
From: Garvin, Shawn
Sent: Wed 1/15/2014 10:42:25 PM
Subject: RE: WV Chemical Spill - Update

Sorry – 215-814-2998

From: Johnson, Alisha
Sent: Wednesday, January 15, 2014 5:41 PM
To: Garvin, Shawn
Subject: RE: WV Chemical Spill - Update

Can you send your number? It showed up as private

From: Garvin, Shawn
Sent: Wednesday, January 15, 2014 5:41 PM
To: Johnson, Alisha
Subject: RE: WV Chemical Spill - Update

I just called you. Give me a call if you would like to talk further. Thx

From: Johnson, Alisha
Sent: Wednesday, January 15, 2014 5:34 PM
To: Garvin, Shawn
Subject: Re: WV Chemical Spill - Update

Thanks for the update. How did the Ken call go?

From: Garvin, Shawn
Sent: Wednesday, January 15, 2014 5:21:04 PM

To: Adm13McCarthy, Gina; Deputy Administrator; Keyes-Fleming, Gwendolyn; Stanislaus, Mathy; Feldt, Lisa; Ganesan, Arvin; Reynolds, Thomas; Johnson, Alisha; Stoner, Nancy; Vaught, Laura; Distefano, Nichole; Hull, George; Stanton, Larry; Breen, Barry; Giles-AA, Cynthia; Hedman, Susan; Meiburg, Stan; Fritz, Matthew
Cc: Early, William; Hodgkiss, Kathy; Capacasa, Jon; Ryan, Daniel
Subject: RE: WV Chemical Spill - Update

FYI – Below is the daily summary of activities related to the WV chemical spill. Also attached are two documents: 1) the final Authorities, Enforcement & Compliance summary, and 2) a draft Post Spill authorities summary. Ex. 5 - Deliberative

Ex. 5 - Deliberative

Ex. 5 - Deliberative Lastly, I just got off the phone with Ken Ward of the Charleston Gazette. The short summary is that it started off with basic questions and ended with him calling on me to come down and drink his water. My press folks are getting a little more detailed account to Alisha. Let me know if you have any questions.

Thank you - Shawn

Water Supply

West Virginia American Water Company has lifted the drinking water use restrictions in more pressure zones this morning, advising customers that they can use water for all purposes after flushing their plumbing systems. WVAWC reports that more than 51,000 customers (>50% of their approximately 100,000 customers, and more than half of the 300,000 persons served by the system) can now use their water for all purposes.

The Region has received some reports from ORSANCO's ODS (Organics Detection System) sampling in the Elk and Ohio rivers. The attached chart shows MCHM concentrations at Huntington, WV - Ohio River mile 304 (note that these concentrations are reported as parts per billion, or ppb). ORSANCO reports that the leading edge of the plume was detected at 9:00 pm on January 14th at Meldahl Locks and Dam, - Ohio River mile 436.

Source Control

The morning meeting was conducted with the following staff: EPA, WVDEP, CSB, USCG, OSHA, USF&W, the facility, the facility's contractor, Attorney General representative, and USCG. WVDEP was concerned about the water collecting in the secondary containment of the tank farm. The facility directed their contractor to pump this water into vacuum trucks. In addition, water for the interceptor trench continues to be pumped directly into vacuum trucks.

WVDEP, USCG, and EPA approved the facility's proposal to install a french drain. The drain will run along the base of the slope to the lowest point beneath the liner. The pipe will have two or three lines, which will lead directly to vacuum trucks. Excavated dirt resulting from the drain installation will be stored in a lined roll-off located on site and will undergo testing for disposal. In addition, a silt fence will be installed along the base of the slope to prevent erosion of soils into the river.

The facility tested the water emerging from the storm drain area and preliminary results detected fluorine in the water. The water company believes that the area has a broken pipe across from the facility that they are currently preparing to repair. The repair should diminish the flow of water emerging at the storm drain area.

The facility also deployed booms in accordance with USCG's strategy, that WVDEP and EPA approved. WVDEP requested that additional horizontal booms (absorbent) be placed inside the hard boom, which the facility agreed to complete. USCG removed the three mile safety zone restriction in the river. Commercial traffic will receive a broadcast alerting traffic of the boom at the facility.

The facility's contractor will punch test holes into the area surrounding the tanks to investigate the presence of product. If the product is detected in certain areas, sumps will be dug to vacuum the product out and transfer it into tanker trucks. The agencies decided that the empty MCHM tanks will not be cut up or removed from the site until the product is removed. EPA's contractor is producing a map depicting the deployed boom, interceptor trench, liner, culvert area, and hydro-punch locations.

A representative from US Fish & Wildlife arrived today to collect information for a possible Natural Resource Damage Assessment. His primary concern is mussels and, based on the half-life of the chemical and the toxicology report, he didn't seem overly concerned at this point.