To: Webster, James[Webster.James@epa.gov]
Cc: r4dutyosc@att.blackberry.net[r4dutyosc@att.blackberry.net]; Crowley, Jeffery[Crowley.Jeffery@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]
From: Smith, Art
Sent: Wed 1/15/2014 4:55:37 PM
Subject: Fw: Elk River 4-Methylcyclohexane Methanol Spill Update

This is the latest update from ORSANCO. Am working with ERT to make sure we know how to analyze for MCHM as KDEP may need us to help with that.

From: Jerry Schulte <jschulte@orsanco.org>
Sent: Wednesday, January 15, 2014 9:43:38 AM
To: Jerry Schulte; Jim Mehl; Mike Baker; Mike Sherron; Mike Eggert; robert.francis@ky.gov; Bruce.Scott@ky.gov; Julie Roney; Ron Lovan; Mary Carol Wagner; Bruce Whitteberry; GCWW - Jeff Swertfeger; Richard.Stuck@gcww.cincinnati-oh.gov; Richard Harrison; Jack Wang Louisville Water; Rengao Song; Evansville Water - Tim Hall; Roger Lauder; Jim Sullivan; Max Michael; Kevin Roberts; Rodney Michael; Mt. Vernon Water; Morganfield Water - John Coffman; Sturgis Water; Paducah Water - Mindy Martin; Paducah Water - Glen Anderson; USEC - Paducah; Cairo Water - Rachel Bretz; Cairo Water - Stephen Keith; Cairo Water - Steve Brinkmeyer; binetti, victoria; Bruggers, James; Smith, Art; CARROLL, PAT; Paul Tomes; Stuart Bruny; teasterly@idem.in.gov; **Ex. 6 - Personal Privacy** Scott.G.Mandirola@wv.gov
Cc: Lisa Cochran; Melissa Mann; Peter Tennant; Eben Hobbins; Greg Youngstrom; Jason Heath; Jeanne Ison; Jeff Thomas; Lila Ziolkowski; Rob Tewes; Ryan Argo; Sam Dinkins; Stacey L. Cochran; Steve Braun; Travis Luncan
Subject: RE: Elk River 4-Methylcyclohexane Methanol Spill Update

In addition, water samples are being collected and analyzed hourly by Northern Kentucky and Greater Cincinnati Water utilities to characterize the plume as it passes Meldahl. This will provide an excellent profile of the plume, both length and concentration, and will be of great value to Louisville Water as they make preparations and begin to implement their own monitoring strategy.

Jerry G. Schulte

Manager, Source Water Protection and Emergency Response

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From: Jerry Schulte [mailto:jschulte@orsanco.org]
Sent: Wednesday, January 15, 2014 9:26 AM
To: 'Jim Mehl'; Mike Baker; Mike Sherron; Mike Eggert; Robert Francis; Bruce Scott (bruce.scott@ky.gov); Julie Roney; Ron Lovan ; Mary Carol Wagner; Bruce Whitteberry ; GCWW - Jeff Swertfeger ; (Richard.Stuck@gcww.cincinnati-oh.gov); Richard Harrison (rharr@nkywater.org); Jack Wang Louisville Water; Rengao Song; Evansville Water - Tim Hall; Roger Lauder ; Jim Sullivan; Max Michael; Kevin Roberts; Rodney Michael; Mt. Vernon Water; Morganfield Water - John Coffman ; Sturgis Water (sturgiskywater@earthlink.net); Paducah Water - Mindy Martin ; Paducah Water - Glen Anderson ; USEC - Paducah ; Cairo Water - Rachel Bretz; Cairo Water - Stephen Keith ; Cairo Water - Steve Brinkmeyer ; 'binetti, victoria'; 'Bruggers, James'; 'Art Smith'; 'CARROLL, PAT'; 'Paul Tomes'; 'Stuart Bruny'; 'teasterly@idem.in.gov'; Ex. 6 - Personal Privacy 'Scott.G.Mandirola@wv.gov'
Cc: Lisa Cochran; Melissa Mann; Peter Tennant; 'Eben Hobbins'; 'Greg Youngstrom'; 'Jason Heath'; 'Jeanne Ison'; 'Jeff Thomas'; 'Lila Ziolkowski'; 'Rob Tewes'; 'Ryan Argo'; 'Sam Dinkins (sdinkins@orsanco.org)'; 'Stacey L. Cochran'; 'Steve Braun'; 'Travis Luncan'
Subject: Elk River 4-Methylcyclohexane Methanol Spill Update

All-

It's been a whirlwind, as always during these types of events. Due to the speed of the river and lack of analytical capacity, we don't have a whole lot of data on the plume. Attached is a graph generated from one of ORSANCO's Organics Detection System monitoring sites located at Wv-Am water at Huntington, WV, Ohio River mile 304. This was the first drinking water facility on the Ohio River to see the chemical plume. They successfully treated with activated carbon.

The spill occurred on the Elk River approximately 3 miles upstream from the Kanawha. It traveled 58 miles down the Kanawha River to the Ohio, where it entered the Ohio at river mile 256 sometime on Sunday, 1/12.

The leading edge of the plume arrived at Meldahl Locks and Dam, Ohio River mile 436, at approximately 9:00pm last night. We anticipate it will take 24 hours for the bulk of the plume to pass. The river velocity for Cincinnati, which is just downstream from Meldahl, is 3.6 mph, which makes the "bulk" of this chemical plume roughly 86 miles long.

The chemical is very odiferous. It is estimated that the threshold odor level is very near the analytical detection level, which is somewhere around 5 ppb.

Let me know if you need anything else. We will be posting updates on our website.

Jerry

Jerry G. Schulte

Manager, Source Water Protection and Emergency Response

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