To: Smith, Art[Smith.Art@epa.gov]; Roney, Julie (EEC) (Julie.Roney@ky.gov)[Julie.Roney@ky.gov]; Jerry Schulte (jschulte@orsanco.org)[jschulte@orsanco.org]; Evansville Water - Tim Hall (thall@ewsu.com)[thall@ewsu.com]
From: Rengao Song
Sent: Fri 1/17/2014 11:14:37 PM
Subject: Update
MCHM Ohio River Profiling @ LWC Zorn Intake MM 600.xlsx

FYI. Please do not distribute the data… It is DRAFT!

From: Rengao Song
Sent: Friday, January 17, 2014 5:46 PM
To: Kelley Dearing-Smith
Cc: Jim Brammell; Spencer Bruce; Jack Wang
Subject: Friday Ohio River MCHM data points.xlsx

Kelley,

1. The highest level of MCHM LWC detected is ONLY 3.2 ppb in the Ohio River at 1 PM today, about 7.5 hours after the first detection by odor at 5:30 AM. This is in agreement with our projection of MCHM plume arrival time of 6 AM and peak time of Noon with Ohio River flow model.

2. There have been NO detections, below 1 ppb, of MCHM in any processed water: Reservoir effluent, Coag effluent, filtered, and finished water. We did not have time to analyze the RBF water yet due to too many samples (NO odor was detected with the RBF sample).

3. The tail end of plume should be gone by 6 AM tomorrow morning.

Monitoring:

1. We will continue to monitor the raw water every two hours until tomorrow morning by 6 AM and confirm with Westport samples at MM 580. We will continue to monitor thereafter with decreased frequency.

2. We will continue to monitor the processed water and RBF water.

3. Chris and I will be here at CHFP until midnight. Mark will come in thereafter. Nicole/Eric/Rengao will be here tomorrow.

Treatment:

1. We will maintain the current treatment strategy until tomorrow morning after sample confirmation at Zorn and Westport. The water demand is low and we do not have a carbon inventory issue.

2. GCWW stills observed an odor issue until midnight yesterday. So it is highly probable that we will feed a low dosage carbon for a while after the plume is gone to remove any residual effects.

Summary:

Lower than expected levels that cannot be explained now. At the same time, the results look GREAT!