To: Travers, David[Travers.David@epa.gov]
Cc: Allgeier, Steve[Allgeier.Steve@epa.gov]
From: Hedrick, Elizabeth
Sent: Sun 1/12/2014 4:52:03 PM
Subject: RE: NATIONAL WARN Request: Lab Support Needed in WV

Sounds good. Have also answered some follow up questions from the WaterISAC POC on MCHM. I let Chuck know he can pass my name on to WV AW on chemistry and lab questions.

It would be good to find out when we will need a drinking water method and standards as the clean-up phase will go on for a while. I was going to informally talk to some folks here in Cincy about next steps for rapid method development (NHSRC and the ORD QA and FEM contacts). This would be a good opportunity to see if the Forum on Environmental Measurements (FEM) Emergency Response Validations Policy can be used. You know there will be litigation following. We need a minimally validated method for drinking water ASAP.

Elizabeth

From: Travers, David
Sent: Sunday, January 12, 2014 7:43 AM
To: Hedrick, Elizabeth
Cc: Allgeier, Steve
Subject: Re: NATIONAL WARN Request: Lab Support Needed in WV

Absolutely, please provide assistance, just keep Steve and Vicki in the loop. Thank you!!!

From: Hedrick, Elizabeth
Sent: Sunday, January 12, 2014 1:02:55 AM
To: Travers, David
Cc: Allgeier, Steve
Subject: FW: NATIONAL WARN Request: Lab Support Needed in WV

David,

Earlier today I posed a few questions to the WaterISAC point of contact, Chuck Egli, about the WARN broadcast requesting lab support. He has taken them seriously enough to ask if I would be willing to talk

to American Water. It may be a fast way for us to find out if they are actually having method issues or if they have been able to successfully adopt an industrial GC method for MCHM. Once we know what are the method issues, if they have them, then the WLA can better help find support labs.

Let me know ASAP if I can agree to be available to American Water should they need technical advice. They may not need help and the issue may really just be that the WARN broadcast needs to be revised. Surely water samples are being analyzed right now. For the WLA to help find support labs, it will help if there is a real and quantitative method to share.

Just an FYI: The boiling point of MCHM is low enough that it should be purgeable from water and may be amenable to purge and trap GC as opposed to a DMF extraction. While the concentrations are in the ppm range, it may be possible to dilute a water sample and do a direct injection on a GC-FID or GC-MS. Labs will need pure standards for quantitative work, though. I did find a list of suppliers online. Don't know if the WLA could provide standards to willing labs.

Elizabeth

Water Security Division

Office of Ground Water and Drinking Water

U.S. Environmental Protection Agency

26 West Martin Luther King Drive

MS 140

Cincinnati, Ohio 45268

Ph (513) 569-7296

Fax (513) 569-7191

From: Ex. 6 - Personal Privacy @waterisac.org]
Sent: Saturday, January 11, 2014 11:29 PM
To: Hedrick, Elizabeth
Cc: Ex. 6 - Personal Privacy @waterisac.org
Subject: RE: NATIONAL WARN Request: Lab Support Needed in WV

Good evening Ms. Hedrick,

Would you mind if I forward this information and put you in contact with two American Water colleagues? We believe your expertise could be of use to them. I've also listed their names and contact information below should you want to reach out to them directly:

Ex. 6 - Personal Privacy, CIH, CSP

Sr. Director, Operational Risk Management

American Water

P

C Ex. 6 - Personal Privacy

N r. CPP, PSP

Director, Operations Security
American Water
(O)
(C) Ex. 6 - Personal Privacy

Thank you for providing this information.

Very Respectfully,

Ex. 6 - Personal Privacy

Lead Analyst

Water Information Sharing and Analysis Center (WaterISAC)

24-hr: 866-H2O-ISAC

Office: Ex. 6 - Personal Privacy

Mobile: Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy waterisac.org

Ex. 6 - Personal Privacy @waterisac.org

-----Original Message-----
From: "Hedrick, Elizabeth" <Hedrick.Elizabeth@epa.gov>
Sent: Saturday, January 11, 2014 6:41pm
To: Ex. 6 - Personal Privacy waterisac.org>
Subject: RE: NATIONAL WARN Request: Lab Support Needed in WV

Mr. Ex. 6 - Personal Privacy

Thank you for the information. If you can't answer the following questions I understand. I am sure you are busy on other fronts.

As a chemist, I took a look at the Eastman method to determine how easily a water lab could adopt it. The Eastman Method is a percent purity method based on crude materials. Is Eastman going to provide pure MCHM to support labs so that quantitative work can be done? And do you know if the WARN Request that went out is saying that an alternative method is SM 524 (Standard Methods)? I'll have to be in the office to take a look at the SM 524 method but I am wagering that it does not have MCHM on the analyte list. A lab with GC-FID and pure MCHM could probably implement the Eastman method but they may not have the extraction solvent, DMF, on hand. It is a nasty solvent.

Just sharing my quick analysis.

Thanks,

Elizabeth

Water Security Division

Office of Ground Water and Drinking Water

U.S. Environmental Protection Agency

26 West Martin Luther King Drive

MS 140

Cincinnati, Ohio 45268

Ph (513) 569-7296

Fax (513) 569-7191

From: [Ex. 6 - Personal Privacy @waterisac.org]
Sent: Saturday, January 11, 2014 4:00 PM
To: Hedrick, Elizabeth
Subject: FW: NATIONAL WARN Request: Lab Support Needed in WV
Importance: High

Ms. Hedrick,

Please see below and the attached documents. The equipment and methods being used to test the water are described.

Additionally, American Water is seeking additional mobile lab support for testing water sample from those that have this capability.

Very Respectfully,

Ex. 6 - Personal Privacy

Lead Analyst

Water Information Sharing and Analysis Center (WaterISAC)

24-hr: 866-H2O-ISAC

Office: Ex. 6 - Personal Privacy

Mobile

Ex. 6 - Personal Privacy terisac.org

@waterisac.org

From: Ex. 6 - Personal Privacy
Sent: Saturday, January 11, 2014 2:51 PM
To: Ex. 6 - Personal Privacy b@amwater.com)
Cc: Shelly Shafer Ex. 6 - Personal Privacy; Wisniewski, Patty-Kay; Tingley, Kevin; Laws, John; Copple, Angela
Subject: NATIONAL WARN Request: Lab Support Needed in WV

NATIONAL WARN NOTICE - WIDE DISTRIBUTION

Many of you have likely seen reporting on the chemical spill in Charleston, WV which has impacted the drinking water for the American Water's treatment and distribution systems.

I received a request from American Water that they are seeking additional mobile lab support that can run samples for decision making support as they begin to take actions to clear the system.

The method and equipment specifications are attached.

Equipment - ThermoFisher GC/MS unit utilizes SM 524. The attached files includes the protocol utilized by Eastman, the chemical producer.

If you have this capability please contact Ex. 6 - Personal Privacy merican Water, for further details and logistical arrangements.

Ex. 6 - Personal Privacy, Jr. CPP, PSP, PCI
Director, Operations Security
American Water
(O) Ex. 6 - Personal Privacy
(C)

Thank you.

Ex. 6 - Personal Privacy, PhD
Security & Preparedness Program Manager
American Water Works Association
1300 Eye Street, NW Suite 701W
Washington, DC 20005
O: Ex. 6 - Personal Privacy
E:

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