To: Kelly, Jack (R3 Phila.)[Kelly.Jack@epa.gov]; Casillas, Laura[Casillas.Laura@epa.gov]
From: Werner, Lora
Sent: Wed 1/15/2014 12:47:04 PM
Subject: Fw: Test Results Jan 14

Feel free to share with the group at large.

From: Cseh, Larry (ATSDR/DTHHS/OD) <loc3@cdc.gov>
Sent: Wednesday, January 15, 2014 6:23:49 AM
To: Ivey, Walter M; EOC Report (CDC)
Cc: Holler, James S. (Jim) (ATSDR/DTHHS/OD); Murray, Ed (ATSDR/DTHHS/OD); Kapil, Vikas (CDC/ONDIEH/NCEH); Werner, Lora S. (ATSDR/DCHI/EB); Cseh, Larry (ATSDR/DTHHS/OD)
Subject: RE: Test Results Jan 14

Walt,

ATSDR has reviewed the sampling results provided and the sampling conducted from West Virginia American Water system. **For the period of January 11, 2014, 09:02 to January 14, 2014, 17:00; none of the readings have for intake or out-put water have exceeded the screening level. Results since January 12, 2014 at 16:00 all readings were >0.1 to non-detect. The samples collected from nine hospitals and health care facilities on January 12th were below the screening levels.**

The Highland Hospital did show an increase from 0.0 ppm at 12:45 to 0.453 ppm at 14:40. While the levels are below the screening level, additional flushing maybe needed to reduce levels below the provisional odor threshold of 0.1 ppm. **All other samples were at or below the screening level.**

Over 590 other various locations were sampled; they show of trend of reducing levels reported with a majority below the screening levels. Those samples collected on earlier dates and times were later tested and show reduction of levels. Of the data set provided for samples > 1 ppm. Sample Ids 1325, 1400, 1358, 1445 were sampled on January 13th and 14th, efforts should be made to resample after flushing to ensure levels drop below the screening level.

Based on observational reports, the data suggests that odors might be detected at concentrations of Crude MCHM at approximately 0.1 ppm (100 ppb). This provisional odor threshold is below the health-based screening number of 1.0 ppm. ATSDR continues to recommend that the operator and residents be instructed on flushing their lines, until the odor

is no longer observed. We also recommend that residents be given instructions on cleaning ice makers, refrigerator water dispensers, drain and flush hot water heaters and replacing water filters to remove any residuals that maybe present. Sampling the distribution system could help narrow down areas that may need special emphasis on public health education.

We do not anticipate any adverse health effects from those levels below 1 ppm. ATSDR is willing to continue to support you with data review and consultation as you need.

CAPT Larry F. Cseh, R.S., MSA

US Public Health Service

Emergency Response Coordinator

ATSDR, DTHHS, ERP

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Agency for Toxic Substances and Disease Registry

Division of Toxicology and Human Health Sciences

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From: Ivey, Walter M [mailto:Walter.M.Ivey@wv.gov]
Sent: Tuesday, January 14, 2014 8:38 PM
To: Cseh, Larry (ATSDR/DTHHS/OD)
Subject: Test Results Jan 14

CAPT Cseh,

Please find attached the most recent results that I have received.

Walt Ivey