

Prysby, Mike (DEQ)

From: Michael Glasgow <mglasgow@cityofflint.com>
Sent: Tuesday, September 09, 2014 9:47 AM
To: Prysby, Mike (DEQ); Busch, Stephen (DEQ); Rosenthal, Adam (DEQ)
Cc: Brent Wright; Daugherty Johnson; Howard Croft
Subject: September 2014 Boil Water Notice Timeline
Attachments: Boil Water Advisory Event Timeline # 2.docx

Gentlemen,

Attached is a timeline of events that led us to the recent boil water notice. It shows all sampling and results from 9/2 thru today.

FYI:

I was just talking with a couple of employee's from the Water Service Center who have been helping us with our investigation of the the distribution system. It seems that they have found one of the possible causes of our recent issues. A 36" transmission main not far west of the treatment plant had a valve that was closed, and the 24" transmission main that leads west also has a valve that is closed. The 36" valve was opened, however the valve on the 24" is inoperable. With these valves closed, it appears the water leaving the plant has no direct route to the west side of the city (or the West Side Reservoir)

Mike Glasgow
City of Flint Water Plant

City of Flint Boil Water Advisory Event Timeline (Sept. 2014)

September 2nd – Routine distribution sampling yielded 1 sample positive for coliform bacteria.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.0	0.1

September 3rd – Distribution repeat sampling along with upstream and downstream locations yielded 2 samples positive for coliform bacteria.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.0	0.2
# 5 Upstream	1117 N. Chevrolet	0.0	0.2
# 5 Downstream	2740 Flushing Rd.	0.1	0.3

September 4th – Sampling yielded four samples positive for coliform bacteria. Sampling included Site # 5 repeat sampling and the City Distribution sampling.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.1	0.2
# 5 Upstream	2205 Flushing Rd.	0.1	0.2
# 5 Downstream	2740 Flushing Rd.	0.1	0.3
# 6	3216 MLK Blvd.	0.1	0.2

September 5th – Notified DEQ of recent results. Resampled Site # 5 & # 6 along with upstream & downstream locations. Site # 5 and its downstream locations were positive for coliform bacteria. Site # 6 upstream & downstream locations were also positive for coliform bacteria. DEQ requires boil water notice to be issued tonight.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.1	0.2
# 5 Upstream	2205 Flushing Rd.	0.1	0.3
# 5 Downstream	2740 Flushing Rd.	0.1	0.2
# 6	3216 MLK Blvd.	0.2	0.3
# 6 Upstream	3317 MLK Blvd.	0.1	0.2
# 6 Downstream	3110 MLK Blvd.	0.1	0.2

September 6th – Resampled Site # 5 & # 6 along with upstream & downstream locations. All samples were negative for coliform bacteria. Site #6 was closed, alternate site used.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.2	0.3
# 5 Upstream	2205 Flushing Rd.	0.2	0.3
# 5 Downstream	1274 Ballenger Hwy.	0.1	0.2
# 6 (alt)	104 E. Pasadena	0.1	0.2
# 6 Upstream	3317 MLK Blvd.	0.2	0.3
# 6 Downstream	3110 MLK Blvd.	0.0	0.1

September 7th – Resampled Site # 5 & # 6 along with upstream & downstream locations. Site #6 was closed, alternate site used.

Sample Site	Address	Free Chlorine	Total Chlorine
# 5	2501 Flushing Rd.	0.2	0.3
# 5 Upstream	2205 Flushing Rd.	0.2	0.3
# 5 Downstream	1274 Ballenger Hwy	0.0	0.2
# 6 (alt)	104 E. Pasadena	0.1	0.3
# 6 Upstream	3317 MLK Blvd.	0.1	0.3
# 6 Downstream	3110 MLK Blvd.	0.2	0.3

September 8th – Sampled all 10 sites in the distribution sampling plan, including Site # 5 downstream which was positive on the 7th.

Sample Site	Address	Free Chlorine	Total Chlorine
# 1	3742 Davison Rd.	0.1	0.2
# 2	822 S. Dort Hwy	0.2	0.4
# 3	3302 S. Dort Hwy	0.1	0.1
# 4	3606 Corunna Rd.	0.0	0.2
# 5	2501 Flushing Rd.	0.1	0.2
# 6	3216 MLK Blvd.	0.1	0.1
# 7	5018 Clio Rd.	0.1	0.1
# 8	6204 N. Saginaw St.	0.7	1.0
Cedar St. Reservoir	1100 Cedar St	0.6	0.9
West Side Reservoir	1416 Dupont St.	0.7	1.0
# 5 Downstream	1274 Ballenger Hwy	0.1	0.1

Sample results will be available @ 2pm on 9/9/15.