

Subject: RE: Draft to Brown Family
Date: Wednesday, May 10, 2017 at 10:27:10 AM Eastern Daylight Time
From: Durno, Mark
To: Scott Smith
Category: Contacts

Scott,

Here's a suggested change to the first sentence for your consideration:

Attached are the analytical reports from recent testing conducted by Water Defense. Also, I've included a chlorine monitoring summary that was provided by EPA. Please let me know if you have any questions. If you have any questions about the chlorine results, please contact Mark Durno, EPA, at 440-250-1743.

Mark Durno

Homeland Security Advisor
Emergency Response Branch
U.S. Environmental Protection Agency
25063 Center Ridge Road
Westlake, OH 44145
440-250-1743

From: Scott Smith [mailto:ssmith@opflexinventor.com]
Sent: Wednesday, May 10, 2017 10:09 AM
To: Durno, Mark <durno.mark@epa.gov>
Subject: Draft to Brown Family

Mark,

Please review and edit language as you see necessary.

Dear Oscar and Elizabeth,

Attached are the test reports and below is the chlorine testing from recent testing Water Defense did with Mark Durno from the EPA.

- First attachment is the bacteria report for your house (highlighted in yellow) and the non highlighted portions show bacteria found in the other homes tested. These tests are done with Q Laboratories using approved sponge testing methods.
- Second attachment is the report from our outside lab on the chemicals tested. Please note that tests with the grab samples use are taken in conjunction with approved EPA methods. The WaterBug testing for chemicals is used for research purposes and is not currently an approved EPA method. The WaterBug testing is for research and intended to identify the presence of chemicals and the results cannot be used to determine compliance with any current regulations.
- Third attachment is a summary of the bacteria found in all 4 homes.

EPA chlorine data is below:

All monitoring results were collected using a Hach II Pocket Colorimeter and field checked with blank and 1 mg/L standards prior to samples being collected. Reagent used is for free chlorine. Hach test strips (free & total chlorine) were also used to screen prior to collecting monitor samples. Note: This summary contains personally identifiable information (PII) and should not be disclosed to the open public without first redacting the PII.

2320 Copeman Blvd (Brown residence)

Time: 12:40 hours

Location: Bathroom sink

Result: 0.08 mg/L free chlorine

Note: Home has a whole house filter. 5 minute flush conducted prior to sample collection.

Location: Outside spigot

Result: 1-2 mg/L free and total chlorine using test strips (no colorimeter sample collected)

Note: The spigot by-passed the whole house filter

Best Regards,

Scott C. Smith

Cell (508) 345-6520

Twitter: @WaterWarriorOne

Subject: RE: Draft for Review - UA370 Testing
Date: Tuesday, May 16, 2017 at 12:25:38 PM Eastern Daylight Time
From: Durno, Mark
To: Scott Smith
Category: Contacts

A couple of minor edits in red:

Mark Durno

Homeland Security Advisor
Emergency Response Branch
U.S. Environmental Protection Agency
25063 Center Ridge Road
Westlake, OH 44145
440-250-1743

From: Scott Smith [mailto:ssmith@opfleinventor.com]
Sent: Tuesday, May 16, 2017 12:18 PM
To: Durno, Mark <durno.mark@epa.gov>
Subject: Draft for Review - UA370 Testing

Draft for Review:

Dear Florlisa,

Please note that until proper toxicology and epidemiological studies are done, no cause and effect relationships can be made between exposures to chemicals and/or bacteria detected and reported human health effects.

Attached are the analytical reports from recent testing conducted at your home by UA370 - Harold Harrington and Ben Ranger . Also, I've included chlorine data as provided from the City of Flint for your street. Please let me know if you have any questions. If you have any questions about the chlorine residuals on your street please contact **the City of Flint Water Treatment Plant; or**, Mark Durno, EPA, at 440-250-1743.

- First attachment is the bacteria report for your house and the fire hydrant. These tests are done with Q Laboratories using approved sponge testing methods.
- Second attachment is the report from our outside lab on the testing for chemicals for your house and the fire hydrant. Please note that tests with the grab samples use are taken in accordance with approved EPA methods. The WaterBug testing for chemicals is used for research purposes and is not currently an approved EPA method. The WaterBug testing is for research and intended to identify the presence of chemicals and the results cannot be used to determine compliance with any current regulations.
- Third attachment is a summary of the bacteria identified in your home from Dr. Judith Zelikoff.

City of Flint chlorine data for your street is below:

.77 mg/L of free chlorine before the flusher was installed, which I understand from experts is considered excellent and it is likely higher now. **Please note that chlorine levels in homes can vary based on water use and other factors.**

Best Regards,

Scott C. Smith
Cell (508) 345-6520

Twitter: [@WaterWarriorOne](#)