Message

From: Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]
Sent: 6/19/2018 5:42:35 PM
To: Rowsey, Kevin [rowsey.kevin@epa.gov]
CC: Reinhart, Roger [Reinhart.Roger@epa.gov]; Konfirst, Matthew [konfirst.matthew@epa.gov]; Buckley, Timothy [Buckley.Timothy@epa.gov]; Strynar, Mark [Strynar.Mark@epa.gov]; Wilson, Jennifer [wilson.jenniferA@epa.gov]
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Kevin,

Thanks very much for providing the PFOA data. These data are very consistent with what we've observed in surface water in the same areas: 100s – 1000s of ng/L of PFOA.
Is there any indication that PFOA levels have dropped at all in these wells since the introduction of HFPO-DA (almost 10 years)?

Thank you very much,

Andy

From: Rowsey, Kevin
Sent: Friday, June 15, 2018 3:15 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Cc: Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Andy,

I've attached the data for GenX and PFOA sampling at Washington Works. I added the "prior to treatment" samples for the residential wells in West Virginia and Ohio. All of these samples were taken in September and show pretty high levels of PFOA in the raw water. Please let us know if you need any more information.

Have a great weekend.

Kevin Rowsey
Ground Water & Enforcement Branch
Water Protection Division
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103
Phone: 215.814.5463

From: Wilson, Jennifer
Sent: Wednesday, June 13, 2018 5:30 PM
To: Rowsey, Kevin <rowsey.kevin@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Cc: Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Hi Andy,

A diagram of the treatment units that are generally used is in the attached Order. Please let us know if you have other questions.

Thank you,
Jenny

From: Rowsey, Kevin
Sent: Wednesday, June 13, 2018 3:01 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Cc: Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Andy,

The treatment that Chemours provides are Granular Activated Carbon (GAC) units. Generally the home units consist of:

- Two 13" x 54" wrapped fiberglass carbon filtration tanks
- Each tank contains 110 pounds Calgon Fitrasorb 600 20x50 mesh (primary absorber and polisher)
- 3 sampling ports, pre filtration (PT), intermediate (Bed 1) & final effluent (Bed 2)

The size of the units may change slightly on a case by case basis. I believe Chemours told us at one point that they make smaller tanks for more compact areas. Due to the relatively low concentrations of PFOA in the raw water and the amount of water that the private wells produce for a single home, it makes sense that the carbon can last up to 6 years.

The reports that I provided for PFOA sampling reflect the sampling that took place for the 1st Quarter of 2018. Under our SDWA 1431 Order, Chemours must visit those private residences in which they installed treatment on a quarterly basis to make sure that PFOA is not breaking through. For private wells, Chemours takes a raw water sample once a year. No raw water samples for private wells were taken in this quarter, that's why you're not seeing any. The samples shown in the report are from Bed 1. If you'd like, I can look back at our quarterly reports and provide the most recent raw water samples for the private wells.

As for the public water systems, they are sampled on a monthly basis because breakthrough happens quicker. As you can see from the report, Chemours takes raw, Bed 1, and Bed 2 samples every month.

If you'd like to schedule a call at some point to discuss the treatment that's been put in place, we'd be more than happy to talk to you. Please let us know if you'd like any more information.

Thanks,

Kevin Rowsey
Ground Water & Enforcement Branch
Water Protection Division
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103

Phone: 215.814.5463

From: Lindstrom, Andrew
Sent: Wednesday, June 13, 2018 3:22 PM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Rowsey, Kevin <rowsey.kevin@epa.gov>
Cc: Reinhart, Roger <Reinhart.Roger@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: FW: I Am Hoping to Get Something to You Tomorrow

Jennifer and Kevin,

Thanks very much for sending this along. Please understand that we will not release PII related to these samples

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Also, I'm surprised that the "carbon" water treatment systems in the private residences seem to remain effective for up to 6 years. Can someone describe the filtration systems that are being used in these homes? Are they typical home systems?

Finally, I don't know if or how we could use these data in our manuscript, but if we do decide to try we will certainly work with you to make sure you are OK with what we do.

Thank you very much,

Andy

From: Wilson, Jennifer
Sent: Tuesday, June 12, 2018 9:27 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Cc: Reinhart, Roger <Reinhart.Roger@epa.gov>; Rowsey, Kevin <rowsey.kevin@epa.gov>; Konfirst, Matthew <konfirst.matthew@epa.gov>
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Enforcement confidential and deliberative. Do not release for FOIAs or discoveries.

The data attached to this e-mail contains PII. Please do not release it outside the Agency. If the data is used in a journal article or other document leaving the Agency, the residents' addresses and names can't be used. If the data is put on a map, it must be zoomed to a level such that one cannot determine which home it came from.

Hi Andy,

I am attaching some GenX data to this e-mail for the DuPont/Chemours West Virginia site. The map and tables were created by Kevin Rowsey in Region 3. I will also be e-mailing a quarterly report from Chemours in a separate e-mail (because the file is large) that will hopefully have the associated PFOA data in it for these locations. Sorry, but I don't have the time to pull it out of the report right now (see the time of this e-mail) because I have too much other work to do.

I hope this helps,
Jenny

From: Lindstrom, Andrew
Sent: Tuesday, June 12, 2018 6:34 AM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>
Subject: RE: I Am Hoping to Get Something to You Tomorrow

Jennifer,

We will be very happy to review anything you can provide.

We will also share our draft manuscript with R5 and R3 when it is ready for submission.

Thank you very much,

Andy

From: Wilson, Jennifer
Sent: Monday, June 11, 2018 4:56 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>
Subject: I Am Hoping to Get Something to You Tomorrow

Hi Andy,

I will hopefully be getting something to you tomorrow.

Have a good evening,
Jenny

Jennifer Wilson, P.E.
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U.S. EPA Region 5
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Chicago, IL 60604

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