Message

From: Lindstrom, Andrew [Lindstrom.Andrew@epa.gov]
Sent: 6/1/2017 10:45:29 AM
To: Detlef knappe [knappe@ncsu.edu]
CC: Strynar, Mark [Strynar.Mark@epa.gov]
Subject: FW: OCSPP + ORD: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Detlef,

Here's what we sent in response to Mr. Hagerty's written questions. The attached documentation below also contains responses from other parts of the Agency.

Ex. 5 Deliberative Process (DP)

I trust that you will communicate with Mr. Hargerty concerning this study's findings in an appropriate manner.

Thank you,

Andy

From: Lindstrom, Andrew
Sent: Thursday, May 18, 2017 4:03 PM
To: Autrey, Brad <Autrey.Brad@epa.gov>; Strynar, Mark <strynar.mark@epa.gov>
Cc: Smith, Emily J. <Smith.Emily@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>; Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>
Subject: RE: OCSPP + ORD: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Brad and Emily,

We've answered Mr. Hagerty's questions below as best we can.

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

If not, why not?

From: Autrey, Brad
Sent: Thursday, May 18, 2017 11:29 AM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Cc: Smith, Emily J. <Smith.Emily@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>; Medina-Vera, Myriam <Medina-Vera.Myriam@epa.gov>
Subject: FW: OCSPP + ORD: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Andy and Mark-

Maggie sent along OW's response below.

-Brad

Brad Autrey
U.S. EPA - National Exposure Research Lab
Communications Team
26 West Martin Luther King Drive - MS 587
Cincinnati, OH 45268
Desk: (513)569-7368 Cell Ex. 6 Personal Privacy (PP)

From: Sauerhage, Maggie
Sent: Thursday, May 18, 2017 11:12 AM
To: Smith, Emily J. <Smith.Emily@epa.gov>; Autrey, Brad <Autrey.Brad@epa.gov>

Cc: Maguire, Megan <Maguire.Megan@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: FW: OCSPP + ORD: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Hi Emily – please see below on the PFAS inquiry. Here's OW's part. Please share with our scientists. Thanks!

From: Jones, Enesta
Sent: Thursday, May 18, 2017 11:04 AM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Cc: Jones, Enesta <Jones.Enesta@epa.gov>; Daguillard, Robert <Daguillard.Robert@epa.gov>
Subject: OCSPP + ORD: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Hi all, here's OW portion.

ORD, OCSP Ex. 5 Deliberative Process (DP)

1. As I understand it, the advisory level for PFOA/PFOS is 70 ppt. GenX was present at several times that concentration. Does this raise any health concerns at all? Is this nothing to be concerned about?

Ex. 5 Deliberative Process (DP)

2. What is the status of EPA's review of the environmental and human safety of GenX? What is the EPA's current position regarding the safety of GenX?

Ex. 5 Deliberative Process (DP)

3. Has or will the EPA take any actions regarding the results from this paper? Is the EPA monitoring the situation and/or conducting its own tests regarding GenX in the Cape Fear River watershed? If so,

what, specifically is or will it do and when? If nothing is has been done or is planned, why not? What would it take for the EPA to get involved regarding this situation?

Ex. 5 Deliberative Process (DP)

4. In addition, EPA plans to begin a separate effort to determine the range of perfluoroalkyl substances (PFAS – the group of chemicals of which PFOA and PFOS are a part) for which an Integrated Risk Information System (IRIS) assessment is needed. The IRIS Program identifies and characterizes the health hazards of chemicals found in the environment. IRIS assessments inform the first two steps of the risk assessment process: hazard identification, and dose-response. As indicated in the 2015 IRIS Multi-Year Agenda, the IRIS Program will be working with other EPA offices to determine the range of PFAS compounds and the scope of assessment required to best meet Agency needs. More about this effort can be found athttps://www.epa.gov/iris/iris-agenda.

Ex. 5 Deliberative Process (DP)

5. The lead author has confirmed that the fluorochemical manufacturer located upstream of the CFPUA is a plant in Fayetteville, N.C., formerly owned by DuPont and now by Chemours. Has the EPA contacted the plant operator regarding these findings? If so, what was the nature of that communication? If not, why not?

Ex. 5 Deliberative Process (DP)

Enesta Jones
U.S. EPA
Office of Media Relations
Office: 202.564.7873
Cell Ex. 6 Personal Privacy (PP)

"The root of all joy is gratefulness."

Begin forwarded message:

From: "Strauss, Linda" <Strauss.Linda@epa.gov>
Date: May 17, 2017 at 8:26:30 PM EDT
To: "Canavan, Sheila" <Canavan.Sheila@epa.gov>
Cc: "Pierce, Alison" <Pierce.Alison@epa.gov>, "Ng, Brian" <Ng.Brian@epa.gov>, "Fuld, John" <Fuld.John@epa.gov>, "Lincoln, Larry" <Lincoln.Larry@epa.gov>, "Sauerhage, Maggie" <Sauerhage.Maggie@epa.gov>, "Hubbard, Carolyn" <Hubbard.Carolyn@epa.gov>, "Jones, Enesta" <Jones.Enesta@epa.gov>, "Daguillard, Robert" <Daguillard.Robert@epa.gov>
Subject: Re: OCSPP + OW: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Thanks!

Sent from my iPhone

On May 17, 2017, at 6:39 PM, Canavan, Sheila <Canavan.Sheila@epa.gov> wrote:

I think only the one I highlighted below would be OPPT's. The rest would likely be waters.

From: Strauss, Linda
Sent: Wednesday, May 17, 2017 5:32 PM
To: Pierce, Alison <Pierce.Alison@epa.gov>; Ng, Brian <Ng.Brian@epa.gov>; Canavan, Sheila <Canavan.Sheila@epa.gov>; Fuld, John <Fuld.John@epa.gov>
Subject: FW: OCSPP + OW: StarNews RE: GenX, PFASs in the Cape Fear River watershed

Which of these are OCSPP's and which are OW's?

Then we can start answering.

Linda

From: Jones, Enesta
Sent: Wednesday, May 17, 2017 4:28 PM
To: Strauss, Linda <Strauss.Linda@epa.gov>; Fuld, John <Fuld.John@epa.gov>
Cc: Jones, Enesta <Jones.Enesta@epa.gov>; Daguillard, Robert <Daguillard.Robert@epa.gov>
Subject: OCSPP + OW: StarNews RE: GenX, PFASs in the Cape Fear River watershed

HI Everyone, can OW and OCSPP chime in on this inquiry? Please let me know.

Enesta Jones
U.S. EPA
Office of Media Relations
Office: 202.564.7873
Cell: Ex. 6 Personal Privacy (PP)

"The root of all joy is gratefulness."

From: Sauerhage, Maggie
Sent: Wednesday, May 17, 2017 4:23 PM
To: Jones, Enesta <Jones.Enesta@epa.gov>

Cc: Maguire, Megan <Maguire.Megan@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: Re: MAGGIE: GenX, PFASs in the Cape Fear River watershed

Is anyone else working on these? I don't think we'd want to take the ones about EPA's position on the safety of GenX or what it would take for us to get involved. Our scientists are working on answering the ones they can. Thanks!

From: Jones, Enesta
Sent: Wednesday, May 17, 2017 2:27 PM
To: Sauerhage, Maggie <Sauerhage.Maggie@epa.gov>
Cc: Jones, Enesta <Jones.Enesta@epa.gov>; Maguire, Megan <Maguire.Megan@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: Fwd: ENESTA: GenX, PFASs in the Cape Fear River watershed

Hi Maggie,

I reached out to the reporter since I handle PFAS. His response is below. Thanks!

I'm hoping to complete my interviews by Monday, May 22. The story is currently set to run in late May or early June.

The lead author (Mei Sun) has confirmed that the treatment plant at Community C in the paper is the Cape Fear Public Utility Authority in Wilmington, N.C. I'd like to know how someone in the community served by CFPUA should interpret these results, specifically in terms of the concentrations of GenX. According to the paper, median concentrations were 671 ppb. I'm asking this in the context of EPA's latest advisory level for PFOA/PFOS, which GenX is meant to replace. As I understand it, the advisory level for PFOA/PFOS is 70 ppt. GenX was present at several times that concentration.

Does this raise any health concerns at all? Is this nothing to be concerned about?

What is the status of EPA's review of the environmental and human safety of GenX? What is the EPA's current position regarding the safety of GenX?

Has or will the EPA take any actions regarding the results from this paper? Is the EPA monitoring the situation and/or conducting its own tests regarding GenX in the Cape Fear River watershed? If so, what, specifically is or will it do and when? If nothing is has been done or is planned, why not? What would it take for the EPA to get involved regarding this situation?

The lead author has confirmed that the fluorochemical manufacturer located upstream of the CFPUA is a plant in Fayetteville, N.C., formerly owned by DuPont and now by Chemours. Has the EPA contacted the plant operator regarding these findings? If so, what was the nature of that communication? If not, why not?

There was a photo that ran in The Intercept (https://theintercept.com/2016/03/03/how-dupont-concealed-the-dangers-of-the-new-teflon-toxin/) of Mark and Andrew. I'd like to get a copy to run with this story.

Enesta Jones
U.S. EPA
Office of Media Relations
Office: 202.564.7873
Cell: Ex. 6 Personal Privacy (PP)

"The root of all joy is gratefulness."

From: Sauerhage, Maggie
Sent: Wednesday, May 17, 2017 12:08 PM
To: Daguillard, Robert <Daguillard.Robert@epa.gov>
Cc: Maguire, Megan <Maguire.Megan@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: Fw: GenX, PFASs in the Cape Fear River watershed

Hi Robert,

Our scientists Drs. Andrew Lindstrom and Mark Strynar, have been contacted by Vaughn Hagerty, a reporter with the StarNews in Wilmington, N.C., about a paper they co-authored regarding PFAS in drinking water systems in New Hanover (N.C.) County and Brunswick (N.C.) County. The paper the reporter is referencing is titled "Legacy and Emerging Perfluoroalkyl Substances are Important Drinking Water Contaminants in the Cape Fear River Watershed of North Carolina" - http://pubs.acs.org/doi/abs/10.1021/acs.estlett.6b00398 - published in the peer-reviewed journal *Environmental Science and Technology* in 2016.

Can you reach out to the reporter and get a deadline and questions? Thanks.

On Wed, May 17, 2017 at 11:00 AM, Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>

From: Vaughn Hagerty [mailto: Ex. 6 Personal Privacy (PP)
Sent: Wednesday, May 17, 2017 9:43 AM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: GenX, PFASs in the Cape Fear River watershed

Messrs. Lindstrom and Strynar:

My name is Vaughn Hagerty and I'm a journalist working on a story for the StarNews in Wilmington about PFASs, including GenX, in some drinking water systems in New Hanover and Brunswick counties. Among other sources, I'm referencing the paper "Legacy and Emerging Perfluoroalkyl Substances Are Important Drinking Water Contaminants in the Cape Fear River Watershed of North Carolina."

I've interviewed Professor Sun and am scheduled to speak with Professor Knappe this week. I'd like to discuss the issue with one or both of you, as well, either by phone or via email exchange. Is this something we can arrange?

Regards,

Vaughn Hagerty