Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 1/24/2018 1:28:56 PM
To: Julie Leibach [julie_leibach@ncsu.edu]
Subject: RE: following up: North Carolina Sea Grant/questions about GenX

I was just formulating a response. Will be to you very soon.

Mark

From: Julie Leibach [mailto:julie_leibach@ncsu.edu]
Sent: Wednesday, January 24, 2018 8:02 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: following up: North Carolina Sea Grant/questions about GenX

Good morning, Mark,

I was just checking to see if you received my email from Monday (below), and if you might have time to respond to my questions by, say, tomorrow. I'm sure you've got a ton going on, so I appreciate any attention you can devote to this.

Regards,
Julie

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Julie Leibach
Science Writer/Digital Content Specialist
North Carolina Sea Grant
Office: 919-515-1092
Mailing Address: Box 8605 | NCSU Campus | Raleigh, NC 27695

---------- Forwarded message ----------
From: **Julie Leibach** <julie_leibach@ncsu.edu>
Date: Mon, Jan 22, 2018 at 12:13 PM
Subject: North Carolina Sea Grant/questions about GenX
To: strynar.mark@epa.gov

Hello, Mark,

My name is Julie Leibach, and I work in the communications department at North Carolina Sea Grant. I attended your seminar last week at NC State.

I'm working on an article for our print magazine, *Coastwatch*, about GenX, and how it fits into the broader picture of PFASs in the environment.

I have a few questions I'm hoping you can answer. If any of them are better suited for another expert, please let me know. And if you'd rather chat on the phone, I'm happy to call you. I sincerely appreciate your time.

Here are my queries:

1) This is a really dumb and basic question, but I think it prudent to ask: What is GenX used for? You said in your talk that it's used as an industrial surfactant, but I'm not entirely sure what that means. I thought that GenX is essentially a chemical replacement for PFOA, which I thought had been used to make Teflon.

2) In your 2015 paper in *Environmental Science & Technology*, you use the word "novel" to describe the fluorinated compounds that you examined. Could you please define with you mean by "novel"?

3) What's your impression of how people have reacted to the news that GenX was found in drinking water?

4) If you had to gauge what the most pressing question is on people's minds about GenX, what would it be?

5) The DHHS has set a health goal of GenX of 140 parts per trillion. Do you have a good analogy for that concentration? E.g., a drop of water in a swimming pool. (I made that up, obviously.)

6) During your talk, I wrote down that you have a hunch that Nafion byproducts 1 and 2 might have more biaccumulative potential than GenX. Could you briefly explain again why you think that?

7) Detlef Knappe explained to me that Chemours has generated GenX as a byproduct since 1980, but only started making it as a commercial product in 2010. Since Chemours started commercial production of GenX, has the company *always* collected the wastewater associated with it and sent it offsite for disposal?

8) Do you know if Chemours has now stopped discharging all wastewater into the Cape Fear River? (I also sent this question to DEQ.)

9) Is it accurate to describe PFASs as "a large and growing class of manmade compounds"?

10) Is there a primary way that most people are exposed to PFASs?

11) Do you think it's accurate to say that it's a "constant challenge" to ensure that drinking water is clear of PFASs?

If there's any way you can get back to me in the next few days, I would be extremely grateful. Sorry for the tight deadline.

Thanks very much for your expertise.

Julie

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