Message

From: Messina, Edward [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=95521FBF4E34496A879E364FAF7E5AA8-MESSINA, EDWARD]
Sent: 3/25/2021 3:08:14 PM
To: Henry, Tala [Henry.Tala@epa.gov]; Nesci, Kimberly [Nesci.Kimberly@epa.gov]; Dunton, Cheryl [Dunton.Cheryl@epa.gov]
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Given the nature of the questions I am happy to have Tala and Kimberly run this. I am fine either way. Let me know your preference.

Ed

Ed Messina, Esq.
Acting Office Director
Office of Pesticide Programs
Office of Chemical Safety & Pollution Prevention
U.S. Environmental Protection Agency
Washington, D.C.
p: (703) 347-0209

From: Henry, Tala <Henry.Tala@epa.gov>
Sent: Thursday, March 25, 2021 11:03 AM
To: Nesci, Kimberly <Nesci.Kimberly@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Cc: Messina, Edward <Messina.Edward@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Ex. 5 Deliberative Process (DP)

Based on information gathered to date, EPA

- Does the fluorination process itself—exposing the plastic to fluorine atoms--create PFAS? If my understanding of the process is wrong, PLEASE correct it.

- If that's not known, what are some of the hypotheses EPA is investigated?

Ex. 5 Deliberative Process (DP)

Ex. 5 Deliberative Process (DP)

Tala R. Henry, Ph.D.
Deputy Director
Office of Pollution Prevention & Toxics

T: 202-564-2959
E: henry.tala@epa.gov

From: Nesci, Kimberly <Nesci.Kimberly@epa.gov>
Sent: Thursday, March 25, 2021 9:35 AM
To: Henry, Tala <Henry.Tala@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Cc: Messina, Edward <Messina.Edward@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Ex. 5 Deliberative Process (DP)

From: Henry, Tala <Henry.Tala@epa.gov>
Sent: Thursday, March 25, 2021 8:22 AM
To: Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Cc: Messina, Edward <Messina.Edward@epa.gov>; Nesci, Kimberly <Nesci.Kimberly@epa.gov>
Subject: FW: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Ex. 5 Deliberative Process (DP)

Thanks…

Tala R. Henry, Ph.D.
Deputy Director
Office of Pollution Prevention & Toxics

T: 202-564-2959
E: henry.tala@epa.gov

From: Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Sent: Thursday, March 25, 2021 6:41 AM
To: Henry, Tala <Henry.Tala@epa.gov>
Subject: FW: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Looks like Ed and Kimberly are giving an interview to Pat R. on background tomorrow at 1:30 about the science behind the fluorination. Her questions are highlighted below.

From: Ozmen, Shamus <Ozmen.Shamus@epa.gov>
Sent: Wednesday, March 24, 2021 5:48 PM
To: Dennis, Allison <Dennis.Allison@epa.gov>; Messina, Edward <Messina.Edward@epa.gov>; Nesci, Kimberly <Nesci.Kimberly@epa.gov>
Cc: Siedschlag, Gregory <Siedschlag.Gregory@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Thanks Allison. Yes, we will prep the talking points and information to address the questions below.

Ed and Kimberly – Andrea will be sending the calendar invite for this Friday at 1:30pm.

From: Dennis, Allison <Dennis.Allison@epa.gov>
Sent: Wednesday, March 24, 2021 5:32 PM
To: Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>
Cc: Siedschlag, Gregory <Siedschlag.Gregory@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>
Subject: FW: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Let's get started with prep!

From: Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Sent: Wednesday, March 24, 2021 5:09 PM
To: Dennis, Allison <Dennis.Allison@epa.gov>
Subject: FW: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

I'm good with these questions and will confirm with Pat that this will be on the record. That was Nick's request.

From: Rizzuto, Pat <prizzuto@bloombergindustry.com>
Sent: Wednesday, March 24, 2021 4:56 PM
To: Drinkard, Andrea <Drinkard.Andrea@epa.gov>; Press <Press@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Thank you so much, and yes Friday at 1:30 works. Who calls whom and at what number? I've highlighted mine on my signature below. Also is this an on the record interview? If I'm not to use Drs. Messina's and Nesci's names, may I use the information and attribute it to EPA researchers? Is this entirely off the record meaning I can't use names or information? (*Off the record would be unfortunate, because I'm certain interested parties would like to know about the efforts the EPA is making to understand this issue*.) Here are some initial questions, although I may have more after a preliminary interview tomorrow on this subject with a scientist. I appreciate your making Drs. Messina and Nesci available.

- Do fluorinated HDPE containers have some type of fluoropolymer or other PFAS coating?
- Does the fluorination process itself—exposing the plastic to fluorine atoms--create PFAS? If my understanding of the process is wrong, PLEASE correct it.
- If that's not known, what are some of the hypotheses EPA is investigated?

- Has it asked the participating trade associations for any particular data?
- Is it expecting to get any specific data from them?
- Are fluorinated HDPE containers used for a lot of different chemicals?
- What are some of the questions the EPA wants to answer, its plans to get those answers, and does it have a sense of how long that process may take?

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Pat Rizzuto

(*she/her*)
Sr. Chemicals Reporter

Bloomberg Law's Environment Desk

Temporarily (202) 441-2729
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@patrizzuto

From: Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Sent: Wednesday, March 24, 2021 4:37 PM
To: Rizzuto, Pat <prizzuto@bloombergindustry.com>; Press <Press@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Hi Pat,

I've touched base with OCSPP and it sounds like Ed Messina, Acting Director of the Office of Pesticide Programs and Kimberly Nesci can speak with you on this issue. They are both available on Friday at 1:30. Would this work for you?

I know you said you are just diving into the issue, but if there are any specific questions that you can provide in advance that would be super helpful.

Thanks!

-Andrea-

From: Rizzuto, Pat <prizzuto@bloombergindustry.com>
Sent: Monday, March 22, 2021 11:33 AM
To: Drinkard, Andrea <Drinkard.Andrea@epa.gov>; Press <Press@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

No, I'm trying to learn more about hypotheses for how this could have happened.
: : : : : : : : : : : : : : : : :

Pat Rizzuto

(*she/her*)

Sr. Chemicals Reporter

Bloomberg Law's Environment Desk

Temporarily (202) 441-2729
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From: Drinkard, Andrea <Drinkard.Andrea@epa.gov>
Sent: Monday, March 22, 2021 11:31 AM
To: Rizzuto, Pat <prizzuto@bloombergindustry.com>; Press <Press@epa.gov>
Subject: RE: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

Hi Pat,

Thanks for the email. Let me check with my folks to see what we can do for you. Are you working under a specific deadline on this piece?

-Andrea-

From: Rizzuto, Pat <prizzuto@bloombergindustry.com>
Sent: Monday, March 22, 2021 11:28 AM
To: Press <Press@epa.gov>
Subject: PFAS Contamination from Fluorinated Containers: Speaking to ORD or other scientist

May I speak with the ORD or pesticide researchers who carried out the investigation that showed the fluorinated HDPE containers leeching or otherwise resulting in PFAS being in the pesticides? I want to better understand the process of fluorination and the hypotheses about how that could have led to the PFAS in the materials placed into the HDPE containers. If the interview has to be on background only—i.e. no name attached—let me know. It's really understanding on the science I'm after initially.

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Pat Rizzuto

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From: U.S. EPA Office of Chemical Safety and Pollution Prevention <oppt.epa@public.govdelivery.com>
Sent: Friday, March 5, 2021 1:59 PM
To: Rizzuto, Pat <prizzuto@bloombergindustry.com>
Subject: Pesticide Program Update: EPA Releases Testing Data Showing PFAS Contamination from Fluorinated Containers

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EPA Releases Testing Data Showing PFAS Contamination from Fluorinated Containers

As the U.S. Environmental Protection Agency (EPA) pursues its mission to protect human health and the environment, addressing risks related to PFAS is a priority. To this end, EPA is making available new testing data related to PFAS found in fluorinated containers in which a mosquito control product was packaged and sold. EPA is also announcing its planned next steps to further characterize and address this potential source of contamination.

"Advancing science and taking action to reduce the health risks associated with PFAS go hand-in-hand," **said Acting Assistant Administrator for the Office of Chemical Safety and Pollution Prevention Michal Freedhoff.** "The Biden-Harris Administration's focus on developing and using the best available science will guide our decision-making, strengthen our work with stakeholders, and lead to pragmatic solutions that advance our efforts to address PFAS contamination and protect human health."

Since first becoming aware of the PFAS contamination issue in September 2020 through citizen science testing of a pesticide product, EPA has been working to investigate the source of the contamination. In December 2020, EPA studied the fluorinated HDPE containers used to store and transport the product and preliminarily determined the fluorination process used may be the source of PFAS contamination.

In January 2021, EPA continued its testing which showed the PFAS were most likely formed from a chemical reaction during the container fluorination process which then leached into the pesticide product. After completing a robust quality assurance and quality control process, EPA can confirm that it has detected eight different PFAS from the fluorinated HDPE containers, with levels ranging from 20-50 parts per billion.

While EPA is early in its investigation, the agency will use all available regulatory and non-regulatory tools to determine the scope of this emerging issue and its potential impact on human health and the environment. It is important to note that although these types of products should not be a source of PFAS, the data indicates that the amount of PFAS that has entered the environment from the contamination in the containers the agency tested is extremely small. The agency is also committed to coordinating with the affected entities involved and their supply and distribution chains, pesticide users, the pesticide and packaging industry, and its federal, state, and tribal partners as it works through this complex health and environmental issue.

Building on the agency's initial actions announced in January 2021, EPA initiated a series of steps to tackle this issue including:

- On Jan. 13, 2021, to minimize risks to human health and the environment, EPA asked states with existing stock of the mosquito product distributed in fluorinated HDPE containers to discontinue use and hold that inventory until its final disposition is determined. The pesticide manufacturer has also notified all its customers regarding management of the product, voluntarily stopped shipments of all products in fluorinated HDPE containers, and is now using non-fluorinated containers.

- On Jan. 14, 2021, EPA issued a TSCA subpoena to the company that fluorinated the containers supplied to the manufacturer of the pesticide in which PFAS was discovered to learn more about the fluorination process used on the HDPE containers.

- EPA is aware that many companies are using fluorinated HDPE containers to store and distribute pesticide and other products. EPA is actively working with the Food and Drug Administration, the U.S. Department of Agriculture, and industry and trade organizations to raise awareness of this emerging issue and discuss expectations of product stewardship. For example, EPA is coordinating with the Ag Container Recycling Council, the American Chemistry Council, Crop Life America, the Household & Commercial Products Association, and the National Pest Management Association.

- The agency is also testing different brands of fluorinated containers to determine whether they contain and/or leach PFAS, and if so, learn the conditions affecting leaching. EPA will present these findings as expeditiously as possible.

- The agency is encouraging the pesticide industry to explore alternative packaging options, like steel drums or non-fluorinated HDPE.

To view the data and learn more, visit: https://www.epa.gov/pesticides/pfas-packaging

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