Message

**From**: Nesci, Kimberly [Nesci.Kimberly@epa.gov]
**Sent**: 3/25/2021 8:37:03 PM
**To**: Lara, Rhina [Lara.Rhina@epa.gov]
**CC**: Qian, Yaorong [qian.yaorong@epa.gov]; Nguyen, Thuy [Nguyen.Thuy@epa.gov]; Ozmen, Shamus [Ozmen.Shamus@epa.gov]; Cyran, Carissa [Cyran.Carissa@epa.gov]
**Subject**: RE: REVIEW: PFAS Packaging Interview with Pat R, DDL 3 PM

Ex. 5 Deliberative Process (DP) – Thuy, do you know?

---

**From:** Lara, Rhina <Lara.Rhina@epa.gov>
**Sent:** Thursday, March 25, 2021 4:34 PM
**To:** Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Cc:** Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Cyran, Carissa <Cyran.Carissa@epa.gov>
**Subject:** RE: REVIEW: PFAS Packaging Interview with Pat R, DDL 3 PM

Hi,

Quick question – can fluorination be used for more than plastic containers? For example, steel?

Best,
**Rhina M. Lara** *(she/her/hers)*
Communications Branch
Office of Chemical Safety and Pollution Prevention
U.S. Environmental Protection Agency
Phone: (202) 815- 5722

---

**From:** Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Sent:** Thursday, March 25, 2021 12:48 PM
**To:** Lara, Rhina <Lara.Rhina@epa.gov>
**Cc:** Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Cyran, Carissa <Cyran.Carissa@epa.gov>
**Subject:** RE: REVIEW: PFAS Packaging Interview with Pat R, DDL 3 PM

Comments in – no worries on the short turnaround, Rhina, I definitely have a vested interest in making sure the talking points are solid. 😊

---

**From:** Lara, Rhina <Lara.Rhina@epa.gov>
**Sent:** Thursday, March 25, 2021 12:06 PM
**To:** Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Cc:** Qian, Yaorong <qian.yaorong@epa.gov>; Nguyen, Thuy <Nguyen.Thuy@epa.gov>; Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Cyran, Carissa <Cyran.Carissa@epa.gov>
**Subject:** REVIEW: PFAS Packaging Interview with Pat R, DDL 3 PM
**Importance:** High

Hi Kimberly,

I hope you're doing well! We are working on prepping for the interview with Pat R at Bloomberg and have put together some draft talking points. We have Ed making general remarks and then you introducing yourself and tackling the lab-specific questions.

Could you look these over and provide feedback by **3 PM today**? Sorry for the quick turnaround, but the interview is tomorrow so we have to move quickly!

I did highlight a few questions that will need your (or Thuy and Yaorong's) input. Let me know if you have any questions!

PFAS Packaging Interview TPs - Bloomberg

Best,
**Rhina M. Lara** *(she/her/hers)*
Communications Branch
Office of Chemical Safety and Pollution Prevention
U.S. Environmental Protection Agency
Phone: (202) 815- 5722

---

**From:** Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Sent:** Wednesday, March 24, 2021 12:51 PM
**To:** Messina, Edward <Messina.Edward@epa.gov>; Dennis, Allison <Dennis.Allison@epa.gov>
**Cc:** Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>; McKamey, Ann <McKamey.Ann@epa.gov>
**Subject:** RE: For Michal/Rick Approval: Pat R interview on PFAS Packaging Science

Are we getting questions in advance? I'm thinking that's typical procedure for these types of interviews, but not sure. Thanks.

---

**From:** Messina, Edward <Messina.Edward@epa.gov>
**Sent:** Wednesday, March 24, 2021 12:18 PM
**To:** Dennis, Allison <Dennis.Allison@epa.gov>; Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Cc:** Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>; McKamey, Ann <McKamey.Ann@epa.gov>
**Subject:** RE: For Michal/Rick Approval: Pat R interview on PFAS Packaging Science

Please lock down my calendar soon. I will need to move a meeting. 1:30pm is better.

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:** Dennis, Allison <Dennis.Allison@epa.gov>
**Sent:** Wednesday, March 24, 2021 11:41 AM

**To:** Messina, Edward <Messina.Edward@epa.gov>; Nesci, Kimberly <Nesci.Kimberly@epa.gov>
**Cc:** Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Lara, Rhina <Lara.Rhina@epa.gov>
**Subject:** FW: For Michal/Rick Approval: Pat R interview on PFAS Packaging Science

😊 Get ready!

---

**From:** Freedhoff, Michal <Freedhoff.Michal@epa.gov>
**Sent:** Wednesday, March 24, 2021 11:40 AM
**To:** Dennis, Allison <Dennis.Allison@epa.gov>
**Cc:** Keigwin, Richard <Keigwin.Richard@epa.gov>; Ozmen, Shamus <Ozmen.Shamus@epa.gov>; Dunton, Cheryl <Dunton.Cheryl@epa.gov>; Siedschlag, Gregory <Siedschlag.Gregory@epa.gov>; Hanley, Mary <Hanley.Mary@epa.gov>; Richmond, Jonah <Richmond.Jonah@epa.gov>; Tyler, Tom <Tyler.Tom@epa.gov>; Diaz, Catherine <Diaz.Catherine@epa.gov>
**Subject:** Re: For Michal/Rick Approval: Pat R interview on PFAS Packaging Science

No issues on my end. Thanks.

Sent from my iPhone

> On Mar 24, 2021, at 11:39 AM, Dennis, Allison <Dennis.Allison@epa.gov> wrote:
>
> Rick and Michal,
>
> With your support, we would like to offer up Ed and Kimberly N to provide a 15 min interview with Pat.
> Ex. 5 Deliberative Process (DP)
> Ex. 5 Deliberative Process (DP) We would like to have this interview occur this Friday either at 1:30 or 2:30 pm.
>
> Thoughts?
>
> ---
>
> **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.
>
> : : : : : : : : : : : : : : : : : :
>
> **Pat Rizzuto**
>
> (*she/her*)
> Sr. Chemicals Reporter
>
> **Bloomberg Law's Environment Desk**
>
> Temporarily (202) 441-2729
> prizzuto@bloombergenvironment.com

@patrizzuto

**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

Having trouble viewing this email? View it as a Web page.

<image004.jpg>

# 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

You can unsubscribe or update your subscriptions or e-mail address at any time on your Subscriber Preferences Page. All you will need is your e-mail address. If you have any questions or problems, please e-mail subscriberhelp.govdelivery.com for assistance.

This service is provided to you at no charge by the U.S. Environmental Protection Agency.

Follow us on Twitter at @EPAChemSafety.

This email was sent to prizzuto@bna.com using GovDelivery Communications Cloud on behalf of: U.S. EPA Office of Chemical Safety and Pollution Prevention · 707 17th St, Suite 4000 · Denver, CO 80202 · 1-800-439-1420

<image005.jpg>

<image003.jpg>