In The Matter Of:

DNREC HRNG 7 DE ADMIN Code 1151

Docket #2020-R-A-0004 April 23, 2020

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DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL

OF THE STATE OF DELAWARE

RE: Proposed New Regulation
7 DE Admin Code 1151
Docket #2020-R-A-0004
Virtual Public Hearing

Virtual Public Hearing
Dial-In Number: 1-408-418-9388
Access Code: 350 344 904

Thursday, April 23, 2020 6:00 p.m.

..

BEFORE: Lisa Vest, Hearing Officer

FOR THE DIVISION: Ajo Rabemiarisoa, DNREC Division of Air Quality

-- Transcript of Proceedings --

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MS. VEST: Good evening. Thank you for joining us. I believe that we are all connected and ready, so we are going to go ahead and begin tonight's proceedings.

Thank you for taking the time out of your busy schedules to join us. The date is Thursday, April 23, 2020, and we are here this evening to provide a virtual platform for the State of Delaware's Department of Natural Resources and Environmental Control to conduct its public hearing on proposed new regulations for hydrofluorocarbons, or HFCs.

For those of you that may not know me, my name is Lisa Vest, and Secretary

Garvin has designated me to serve as the hearing officer for tonight's proceedings.

Briefly, there have been some changes made to DNREC's standard hearing protocols, necessitated, of course, by Delaware's state of emergency due to the COVID-19 pandemic.

First and foremost, this hearing is being conducted virtually. There is no staff gathered together in the same room. Everyone

is participating independently at their own respective locations.

While there are no sign-in sheets to document physical attendance tonight,
WebEx does generate a list of those that are virtually present and have connected for tonight's proceeding, so the Department still keeps a verifiable record of those who have electronically joined us tonight.

And, again, I thank everyone for their interest in this matter.

At the conclusion of these remarks,

I will be turning the hearing over to

responsible Department staff, who will be

making a formal presentation regarding these

new proposed regulations for the benefit of

the hearing record that's being generated

tonight.

There is still a court reporter that's virtually present. She is connected with us on this platform, and she will prepare a verbatim transcript of the hearing tonight pursuant to the statutory requirements for DNREC to do so.

1 And, as always, that transcript 2 will be posted on the hearing web page 3 dedicated to this event as soon as it has 4 been received. Please note that the Department 5 will not be accepting comments in realtime 6 7 during the hearing this evening. wishes to ensure, however, that everyone is 8 enabled to offer their comments for inclusion 9 10 into the hearing record. 11 Therefore, it should be noted that 12 the record will remain open to receive public 13 comment through May 31, 2020. 14 I would encourage those who have 15 logged in or who are listening by phone this 16 evening to visit DNREC's web page for public 17 hearings under the administrative law section of the website for further information 18 concerning the various ways by which the 19 public can give us comment. 20 21 And each and every comment that is received is submitted for the Secretary's 22 23 consideration. 24 Of course, all mechanisms



1 previously available by which the public can offer comment remain intact. 2 We have 3 electronic links. We have e-mail and, of 4 course, the United States Postal Service. 5 Also, briefly, the following protocols do remain in place for all DNREC 6 7 public hearings: All comment received must be 8 limited solely to the subject matter of 9 10 tonight's event. All comments pertinent to 11 the subject matter of this hearing will be 12 incorporated into the record being generated in this matter. 13 14 As previously noted, in order to 15 ensure that everyone who wishes to offer 16 comment for the Secretary's consideration is 17 accommodated, the record will remain open 18 through May 31, 2020. There is only one authentic record 19 of this proceeding tonight, and it is the 20 21 official court reporter's verbatim 22 transcript. 23 The statutory purpose of tonight's 24 hearing is to build the record with regard to



the Department's proposed actions. The record, consisting of the transcript from the hearing tonight, all written comments, all exhibits that are entered in, and eventually my hearing officer's report, will be reviewed by the Secretary prior to his making a decision.

The Secretary will ultimately issue an order following his review containing his decision on the matter and his reasons therefore.

There will be no Q and A session on the matter tonight, nor will any real-time comments be accepted via this virtual platform during the course of tonight's event.

It is important to note that no decision has already been made by the Department, nor will any decision be made tonight with regard to these proposed new regulations.

The record will remain open through
May 31st, again so that members have ample
opportunity to offer their written comment,



should they wish to do so.

Comments may be submitted through a comment forum on the hearing page, via e-mail to DNRECHearingComments@delaware.gov, or via the U.S. Postal Service at the physical address for DNREC indicated on the hearing page online.

Please note that written comments to DNREC in this matter may not be submitted using any social media platform such as Twitter, Facebook, YouTube or standard text messaging.

All comment received through either the mail or through electronic mechanisms that we were just noting now, as long as it is received by the Department on or before May 31st, will bear exactly the same weight and will all be considered equally by the Secretary prior to his making a final decision.

The ultimate decision regarding this proposed promulgation is made by DNREC Secretary Garvin. This formal hearing tonight acts as a mechanism to enable the

1	Department to thoroughly vet this proposed
2	action to the public as well as to let the
3	public know all the ways by which they can
4	offer comment.
5	Those protocols now being said, I
6	am going to now invite staff to come in and
7	begin their presentation.
8	And she will be here momentarily.
9	Ajo, are you there?
10	MS. RABEMIARISOA: Yes.
11	MS. VEST: Okay. Great. I am
12	going to now turn over the screen. Have you
13	got it?
14	MS. RABEMIARISOA: Yes.
15	MS. VEST: Okay. Proceed.
16	MS. RABEMIARISOA: Thank you. So
17	good evening, everyone. My name is Ajo
18	Rabemiarisoa, and I am an Environmental
19	Engineer with the Division of Air Quality in
20	the Department of Natural Resources and
21	Environmental Control.
22	The purpose of this hearing is to
23	formally vet this proposed regulatory action
24	to the public and to receive public comments



on the proposed new regulation, 7 Delaware

Admin. Code 1151, titled "Prohibitions on Use

of Certain Hydrofluorocarbons in Specific

End-Uses."

The objective of this regulation is to establish the prohibitions and requirements for the use and manufacture of HFCs in the State of Delaware according to their specific end usage, including air conditioning and refrigeration equipment, aerosol propellants, and foam end-uses.

This proposed new regulation was initiate by Governor Carney's directive with support of the General Assembly through the House Concurrent Resolution 60, which directs the Department to propose regulations for the use and manufacturing of HFCs in Delaware.

This proposed new regulation is designed to support the 26 to 28 percent greenhouse gas emissions reduction goal that Governor Carney established in June of 2018 as part of our participation with the U.S. Climate Alliance.

Hydrofluorocarbons, or HFCs, are



potent greenhouse gases with global warming potential that are hundreds to thousands of times that of carbon dioxide, and their use is projected to increase through 2050.

Currently, HFCs are the fastest growing source of greenhouse gases globally and in the State of Delaware, where their emissions are projected to increase by 47 percent from 2016 to 2030.

According to estimates based on tools developed by the California Air
Resources Board on behalf of the U.S. Climate
Alliance, the proposed regulation is expected to reduce HFC emissions by 25 percent by 2030, compared to a business-as-usual scenario, which translates to up to 832,000 metric tons of CO2 equivalent emissions avoided between 2020 and 2030, roughly the equivalent of the annual greenhouse gas emissions of 176,000 passenger cars in Delaware.

As a coastal state with over
381 miles of shoreline, Delaware is already
experiencing the detrimental effects of



1 climate change and its associated increased 2 temperatures, see level rise, and intense rainfall events. 3 4 Delaware is vulnerable to coastal 5 erosion, storm surge, saltwater intrusion, and tidal wetland losses. 6 7 Intense rainfall and rising sea levels increase the risk of permanent and 8 9 temporary flooding across the state, which 10 threatens public safety and incurs costly 11 damage to homes and businesses. 12 Rising temperatures and extreme heat events increase the risk of serious 13 14 illnesses, especially for vulnerable 15 citizens -- the elderly, young children, 16 outdoor workers, and people with pre-existing health conditions. 17 18 Temperature and rainfall extremes pose serious challenges for our agriculture 19 and tourism economies, as well as imposing 20 21 increasing costs for maintaining and repairing critical infrastructure. 22 23 Inundation from sea level rise will 24 occur in all three of Delaware's counties,



affecting a wide variety of resources.

This proposal is necessary to support Delaware's efforts to mitigate the effects of climate change and increase Delawarean's quality of life and economic opportunities.

The proposed new regulation is based on the previously promulgated U.S. EPA Significant New Alternatives Policy, or SNAP, rules 20 and 21, for which the federal agency had built an extensive technical support for the overall costs and the benefits for transitioning to lower global warming potential refrigerants that minimize risks to human health and the environment.

In 2017, U.S. EPA's ability to regulate HFCs through the SNAP program was limited by a court ruling. And although actions to continue HFC management have been initiated at the federal level, they have no established time frame. And timely state action is necessary to limit the rapidly increasing HFC emissions.

The proposed new regulation



establishes that no person may sell, lease, rent, install, use, or manufacture in the State of Delaware any product or equipment using a listed substance for any air conditioning, refrigeration, foam, or aerosol propellant end-use, as identified in the regulation.

The proposed timeline for the effective dates of prohibitions vary by end-use category, from January 1, 2021 through January 1, 2024, and have been informed by both the EPA SNAP rules 20 and 21 assessment of available low-global warming potential alternatives, and by our stakeholder engagement process.

To ensure industry compliance with Delaware's HFCs new proposed regulation, the Department provided an extensive stakeholder engagement process from September 2019 through January 2020. This stakeholder engagement has shed the light on many industry concerns and considerations, which informed the following flexibility mechanisms that we have included as part of our



regulation.

First, the Department has included language for the continued use of product or equipment containing a prohibited substance after the effective date of prohibition, if this product or equipment was acquired prior to the applicable date of prohibition.

Second, the Department has included language for the use of prohibited substance in all servicing, maintenance, and repair operations of an existing product or equipment, as part of its regular life-cycle operations.

Third, the Department is allowing for the sale/import/export/distribution/use and installation of any product or equipment covered under this regulation after their specific effective date of prohibition, if this product or equipment was manufactured prior to the applicable effective date of prohibition.

Fourth, the proposed new recollection has no recordkeeping requirements.



Informed by the input from our stakeholders from various industries covered under this regulation, the Department has developed disclosure statement requirements for manufacturers of the four categories of end-uses presented on this slide, based on their practical constraints and existing practices.

These included logistical considerations in the distribution and supply chains of the covered products and equipment and the use of existing labeling standards as potential compliance paths for this regulation.

Although no perfect solution was identified as a path forward for all industry during our stakeholder engagement process, the Department believes that the proposed disclosure requirement language allows enough flexibility for manufacturers to comply, while offering the customers transparent and easily accessible information on their purchase, and ensuring the product or equipment's compliance is in compliance with

State regulation.

The Regulatory Flexibility Analysis and Impact Statement Form, submitted as

Exhibit 6 to this regulation, offers more details about the expected impact of this regulation to Delaware's individuals and small businesses.

The proposed regulation is not expected to add a burden to Delaware businesses and individuals, since it was designed with multiple flexibility mechanisms, such as a grandfather clause, a sell-through provision, and no recordkeeping requirements, as mentioned previously.

In Delaware, the Department has estimated that there are more than 3,000 end users using the covered products and equipment, including retail stores, supermarket and grocery stores, and restaurants.

The regulation was designed to allow these end-users to be able to continue the use of their product and equipment acquired before the effective date of



prohibition, and to perform any servicing,
maintenance, and repair operations required
in the regular life cycle of an equipment
without additional considerations.

It is only when the end-user performs a retrofit or purchases a new equipment that they would have to comply with the regulation.

The technical support document, submitted as Exhibit 5 to this regulation, details the Department's analysis and technical support for this regulation.

It includes more details on the background of this action, the proposed regulation, the expected economic impact and benefits of this regulation, and the details of our stakeholder and public engagement process throughout the regulatory rule-making process.

The Division of Air Quality has a total of 19 exhibits that have been made accessible through our public hearing website since Monday, April 20th. We would ask that they be entered in the public record at this

1	time.
2	MS. VEST: Okay. Thank you, Ajo.
3	One quick question just to confirm
4	for the record: Are the exhibits as posted
5	on the hearing web page identical to those
6	that you are proposing to be entered in
7	tonight?
8	MS. RABEMIARISOA: Yes, they are.
9	MS. VEST: Okay. Very well. Let
10	the record reflect that Exhibits 1 through
11	19, as identified on the public hearing web
12	page devoted to this matter, are hereby
13	entered into the formal hearing record.
14	Does that conclude Air Quality's
15	comments and presentation for this evening?
16	MS. RABEMIARISOA: This concludes
17	the presentation for the proposed regulation,
18	yes.
19	MS. VEST: Great. Thank you, Ajo.
20	At this point I'm just going to let that last
21	slide stay up.
22	We want to thank everybody for
23	joining us. The Department's presentation
24	that was given just now, as well as all of



the other 19 exhibits associated with this proposed promulgation, are included and up on the hearing website for this matter.

You can also see the link to that website on the slide that's still up right now.

As previously noted, the Department encourages all members of the public that wish to offer comment regarding these proposed regs offer comment. We are extending the record to receive comment all the way through May 31, 2020, so a little bit more than a month.

So, please, I would encourage those in attendance or perhaps those that weren't able to join us tonight to share the information, go online, review the exhibits, and feel free to offer comment.

You can also offer multiple comments, if you wish. So if you send your comment in and then you think of something else that you would like to say, by all means, you can send multiple sets of comments.

As long as they are all received on or before May 31, 2020, as I said at the beginning of the proceedings, they all bear the same weight, and they will all be taken under consideration by Secretary Garvin prior to his making his decision. So I want to thank Air Quality staff for doing their presentation. At this point thank you, everybody, for attending. This hearing is adjourned. (Concluded at 6:19 p.m.)



1	CERTIFICATE
2	I, Lorena J. Hartnett, a Notary Public and
3	Registered Professional Reporter, do hereby certify that
4	the foregoing is an accurate and complete transcription
5	of the proceeding held at the time and place stated
6	herein, and that the said proceeding was recorded by me
7	and then reduced to typewriting under my direction, and
8	constitutes a true record of the testimony given by said
9	witnesses.
10	I further certify that I am not a relative,
11	employee, or attorney of any of the parties or a
12	relative or employee of either counsel, and that I am in
13	no way interested directly or indirectly in this action.
14	IN WITNESS WHEREOF, I have hereunto set my
15	hand and affixed my seal of office on this 4th day of
16	May 2020.
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18	
19	000/.100
20	Sound Hathert
21	
22	Lorena J. Hartnett Registered Professional Reporter
23	registered Fioressional Reporter



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