Appointment

From: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Sent: 11/20/2018 3:55:29 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [woods.clint@epa.gov]; Rimer, Kelly [Rimer.Kelly@epa.gov]; Weinstock, Lewis [Weinstock.Lewis@epa.gov]; Koerber, Mike [Koerber.Mike@epa.gov]; Davis, Alison [Davis.Alison@epa.gov]; Tsirigotis, Peter [Tsirigotis.Peter@epa.gov]; Dominguez, Alexander [dominguez.alexander@epa.gov]
CC: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Wayland, Richard [Wayland.Richard@epa.gov]

Subject: FW: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 + Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Busy

-----Original Appointment-----
From: Wehrum, Bill
Sent: Tuesday, November 20, 2018 10:48 AM
To: Wehrum, Bill; Woods, Clint; Rimer, Kelly; Weinstock, Lewis; Koerber, Mike; Davis, Alison; Tsirigotis, Peter; Dominguez, Alexander
Subject: EtO Update
When: Tuesday, November 20, 2018 12:15 PM-12:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: WJC-N 5400 + Personal Phone / Ex. 6

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Appointment

From: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]
Sent: 9/26/2018 12:07:50 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Hanson, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=976b280c3eaf4e50b91a25d75466cf3c-Hanson, Andrew]; Cory, Preston (Katherine) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bfd80b15f6d04a3ba11fc8ca3c85bc50-Cory, Kathe]; Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]

Subject: Meeting with Chairman Cronin, DuPage County, Illinois
Attachments: RE: Meeting request
Location: WJC - N 5400 + Video with RTP C430 Personal Phone / Ex. 6

Start: 9/26/2018 1:30:00 PM
End: 9/26/2018 2:00:00 PM
Show Time As: Busy

TO: Bill Wehrum, Clint Woods, Mike Koerber, Kelly Rimer, Andrew Hanson, Preston Cory, David Harlow
Meeting Attendees (in person):

- Dan Cronin, Chairman of DuPage County, IL Board
- Mr. Monroe, DuPage county lobbyist

RE: Meeting request

Message

From: Atkinson, Emily [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BB2155ADEF6A44AEA9410741F0C01D27-ATKINSON, EMILY]
Sent: 2/15/2019 12:54:39 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: 3:30pm Materials: Update on EtO-related Activities for Individual Facilities
Attachments: Update on EtO Activities 02152019.docx

Updated materials for today's 3:30pm Update on EtO-related Activities for Individual Facilities

From: Ward, Hillary
Sent: Thursday, February 14, 2019 7:29 PM
To: OAR Briefings <OAR_Briefings@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; McKinney, Voronina <mckinney.voronina@epa.gov>
Subject: Materials: Update on EtO-related Activities for Individual Facilities

Please see the attached materials for the following meeting:

2/15/19, 3:30-4:30, Update on EtO-related Activities for Individual Facilities

Regards,

Hillary Ward
USEPA, Office of Air Quality Planning and Standards
(919)541-3154

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/20/2019 7:09:30 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: February 20, 2019 at 2:08:05 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Cc: "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
Subject: Draft talking points for today's call

Hi Clint,

Here are the draft talkers for the call with the RAs.

-Alison

Alison Davis
Senior Advisor for Public Affairs
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Mobile: 919-624-0872

Appointment

From: Dominguez, Alexander [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5CED433B4EF54171864ED98A36CB7A5F-DOMINGUEZ,]
Sent: 11/20/2018 3:55:26 PM
To: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]

Subject: FW: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

-----Original Appointment-----
From: Wehrum, Bill
Sent: Tuesday, November 20, 2018 10:48 AM
To: Wehrum, Bill; Woods, Clint; Rimer, Kelly; Weinstock, Lewis; Koerber, Mike; Davis, Alison; Tsirigotis, Peter; Dominguez, Alexander
Subject: EtO Update
When: Tuesday, November 20, 2018 12:15 PM-12:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: WJC-N 5400 Personal Phone / Ex. 6

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/26/2018 12:07:46 PM
To: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]

Subject: Meeting with Chairman Cronin, DuPage County, Illinois
Attachments: RE: Meeting request
Location: WJC - N 5400 + Video with RTP C430 Personal Phone / Ex. 6

Start: 9/26/2018 1:30:00 PM
End: 9/26/2018 2:00:00 PM
Show Time As: Tentative

TO: Bill Wehrum, Clint Woods, Mike Koerber, Kelly Rimer, Andrew Hanson, Preston Cory, David Harlow
Meeting Attendees (in person):

- Dan Cronin, Chairman of DuPage County, IL Board
- Mr. Monroe, DuPage county lobbyist

RE: Meeting request

Appointment

From: Dominguez, Alexander [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5CED433B4EF54171864ED98A36CB7A5F-DOMINGUEZ,]
Sent: 11/20/2018 3:55:26 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]

Subject: FW: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

-----Original Appointment-----
From: Wehrum, Bill
Sent: Tuesday, November 20, 2018 10:48 AM
To: Wehrum, Bill; Woods, Clint; Rimer, Kelly; Weinstock, Lewis; Koerber, Mike; Davis, Alison; Tsirigotis, Peter; Dominguez, Alexander
Subject: EtO Update
When: Tuesday, November 20, 2018 12:15 PM-12:45 PM (UTC-05:00) Eastern Time (US & Canada).
Where: WJC-N 5400 Personal Phone / Ex. 6

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Appointment

From: Atkinson, Emily [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BB2155ADEF6A44AEA9410741F0C01D27-ATKINSON, EMILY]
Sent: 11/20/2018 3:47:58 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Wright, Rhonda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5d6d041a34ea466dac1f7985308e35ea-RWRIGH04]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]

Subject: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 + Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Appointment

From: Atkinson, Emily [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BB2155ADEF6A44AEA9410741F0C01D27-ATKINSON, EMILY]
Sent: 11/20/2018 3:47:58 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]; Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]

Subject: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Letter Health Consultation

"Evaluation of Potential Health Impacts from Ethylene Oxide Emissions"

STERIGENICS INTERNATIONAL, INC.

WILLOWBROOK, ILLINOIS

AUGUST 21, 2018

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Agency for Toxic Substances and Disease Registry
Division of Community Health Investigations
Atlanta, Georgia 30333

Health Consultation: A Note of Explanation

An ATSDR health consultation is a verbal or written response from ATSDR to a specific request for information about health risks related to a specific site, a chemical release, or the presence of hazardous material. In order to prevent or mitigate exposures, a consultation may lead to specific actions, such as restricting use of or replacing water supplies; intensifying environmental sampling; restricting site access; or removing the contaminated material.

In addition, consultations may recommend additional public health actions, such as conducting health surveillance activities to evaluate exposure or trends in adverse health outcomes; conducting biological indicators of exposure studies to assess exposure; and providing health education for health care providers and community members. This concludes the health consultation process for this site, unless additional information is obtained by ATSDR which, in the Agency's opinion, indicates a need to revise or append the conclusions previously issued.

You May Contact ATSDR TOLL FREE at
1-800-CDC-INFO
or
Visit our Home Page at: http://www.atsdr.cdc.gov

LETTER HEALTH CONSULTATION

"Evaluation of Potential Health Impacts from Ethylene Oxide Emissions"

STERIGENICS INTERNATIONAL, INC.

WILLOWBROOK, ILLINOIS

Prepared By:

U.S. Department of Health and Human Services
Agency for Toxic Substances and Disease Registry
Division of Community Health Investigations

DEPARTMENT OF HEALTH & HUMAN SERVICES
Agency for Toxic Substances and Disease Registry, Region 5

Public Health Service
77 W. Jackson Blvd., Room 413
Chicago, IL 60604

July 26, 2018 *

Ed Nam
Director, Air and Radiation Division
United States Environmental Protection Agency, Region 5
77 W. Jackson Blvd., MS A-18J
Chicago, IL 60604

Dear Mr. Nam:

Since February 2018, ATSDR has met with U.S. EPA Region 5 Air and Radiation Division (ARD) staff regarding a change in the cancer risk basis for ethylene oxide (EtO) in the EPA Integrated Risk Information System (IRIS) and how that change affects general population risks estimated from EtO-emitting facilities in the draft 2014 National Air Toxics Assessment (NATA) update[1]. In December 2016, IRIS changed EtO's adult-based inhalation unit risk from 0.0001 per microgram per cubic meter ($\mu g/m^3$) to 0.003 per $\mu g/m^3$, a 30-fold increase in cancer potency. It also changed EtO's cancer weight-of-evidence descriptor from "probably carcinogenic to humans" to "carcinogenic to humans". These changes could result in many census tracts having estimated cancer risks that are greater than 1 in 10,000 from EtO exposure identified through the draft NATA modeling of air emissions across the United States.

Specifically, ARD decided to evaluate the implications of this change at two sites, Sterigenics International, Inc. (referred to in the letter as "*Sterigenics*") in Willowbrook, IL and the Elé Corporation in McCook, IL. This letter addresses EtO emissions from the Sterigenics facility. In June 2018, after the monitoring results were received and reviewed, ARD requested that ATSDR review air measurements of EtO and modeling results of EtO emissions from Sterigenics and specifically answer the question: *If modeled and measured ethylene oxide concentrations represent long term conditions, would they pose a public health problem for people living and working in Willowbrook?*

The air modeling data that U.S. EPA provided to ATSDR estimated potential short-term and long-term concentrations of EtO in ambient air surrounding the Sterigenics Corporation. Follow-up air monitoring data confirm the presence of elevated EtO at concentrations within a similar range to those estimated by the air modeling of Sterigenics emissions. Based on these measured and modeled concentrations and the proximity to residences and other commercial structures, cancer risks higher than 1 in 10,000 people may exist for some community members and workers exposed to airborne EtO in this community. If these measured and estimated concentrations represent chronic exposures

* Minor edits to the reference list have been incorporated into the final posted ATSDR Letter Health Consultation.

[1] The 2014 NATA is expected to be publicly available in the fall of 2018.

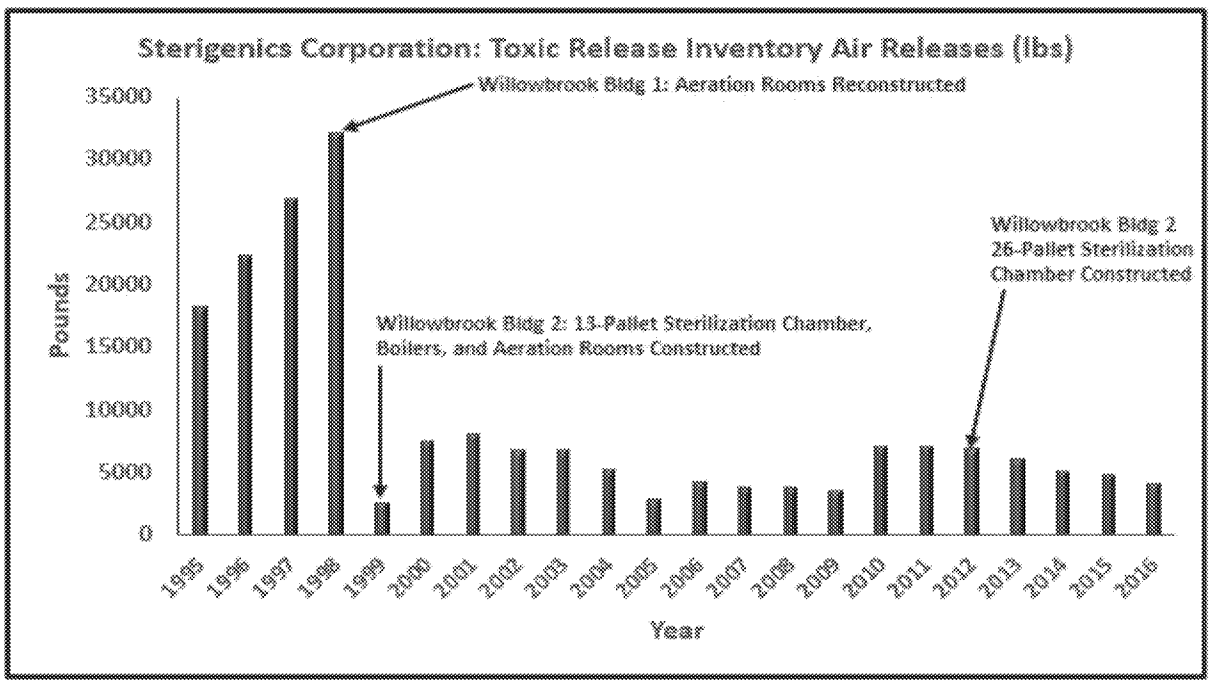
in the surrounding community (with higher exposures likely for workers of the facility), EtO emissions from the Sterigenics Corporation poses a public health hazard.

BACKGROUND

Sterigenics provides sterilization processes using gamma, ethylene oxide, Ebeam, and X-ray sterilization and operates 46 facilities in 13 countries (Sterigenics, 2018). The facility stores ethylene oxide that is sprayed into sealed chambers to sterilize medical equipment, pharmaceuticals, and food/spice products contained on 40" x 48" pallets. The sterilization chambers are contained in two buildings. Building 1 has fifteen chambers that can hold 1 to 13 pallets, while Building 2 has four sterilization chambers that can hold 13 to 26 pallets (Illinois EPA, 2017). Building 1 chambers were constructed in 1984, while Building 2 chambers were built in 1999 and 2012. Pollution control technology includes acid water scrubbers and dry bed reactors that convert the ethylene oxide to ethylene glycol after the sterilization process (Illinois EPA, 2015). Although back vents on the units have historically been uncontrolled, Sterigenics is currently in the process of installing pollution controls to control passive releases (ATSDR, 2018).

Figure 1 illustrates the total reported emissions in pounds per year (lbs/yr) of EtO from Sterigenics.

Figure 1. TRI Total Air Emissions Reported (in pounds), by Sterigenics Corporation for Ethylene Oxide, 1995-2016



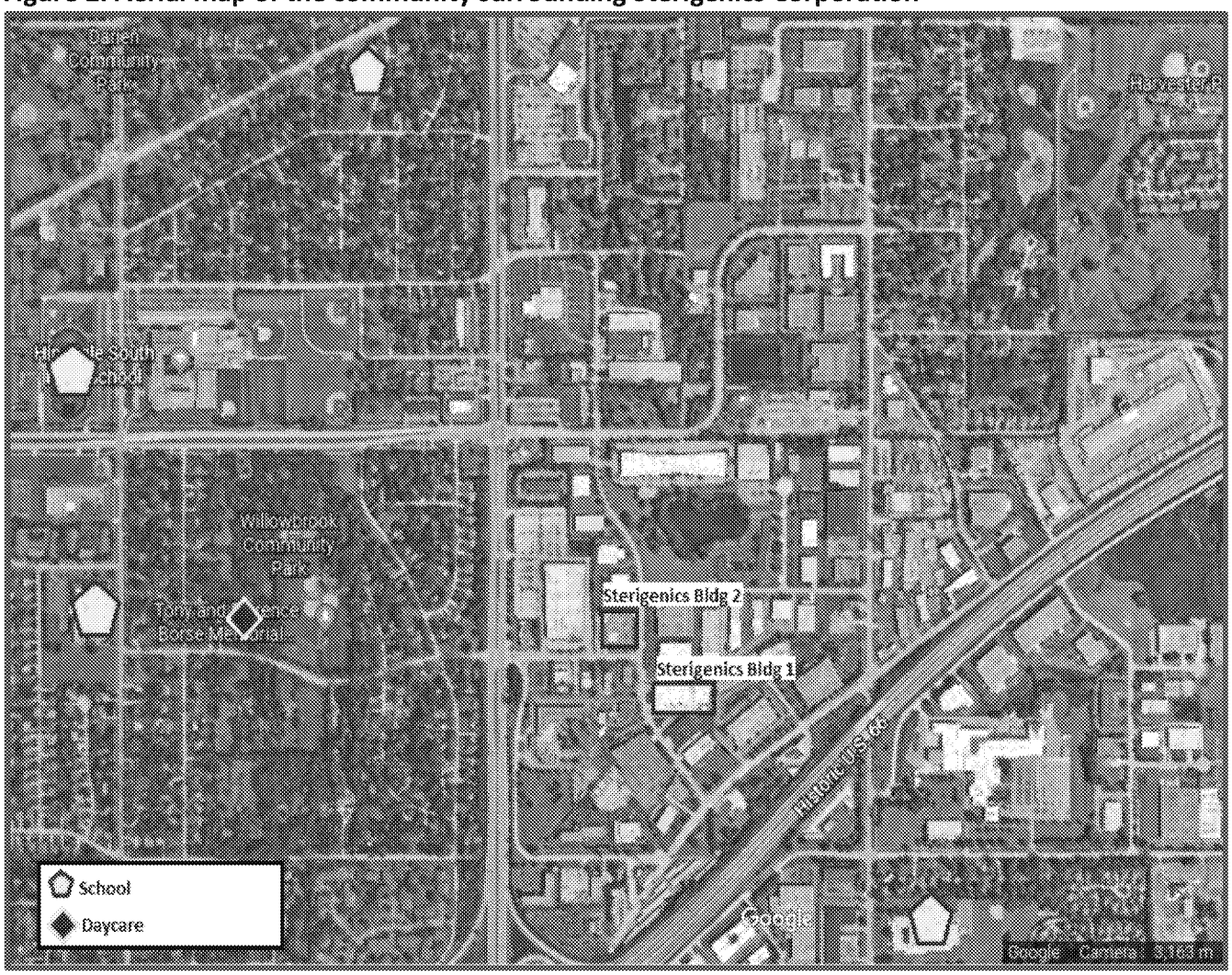
[a]*Source: Toxic Release Inventory (TRI): https://www.epa.gov/enviro/tri-overview*

[b]*Dates for facility constructed and upgrades were identified according to Illinois EPA (2017) DRAFT/PROPOSED Clean Air Act Permit Program (CAAPP) Permit*

The emissions data show a substantial reduction in total air releases after 1998. No data are available before 1995 on ambient air releases, but the available data suggests that substantially higher ambient releases prior to 1995 were likely. The Building 1 sterilization chambers were constructed in 1984, therefore EtO has been emitted over the past 34 years from the Willowbrook facility.

Willowbrook, Illinois is a small suburb of Chicago with approximately 8,500 residents (U.S. Census, 2016). The Willowbrook industrial complex where Sterigenics is located is in a densely populated metropolitan area, with 19,271 people living within 1 mile of the facility boundary. There are four schools and one daycare facility within 1 mile of the facility. According to 2016 Census estimates, Willowbrook residents are predominately white (73.3%), non-Hispanic (66.6%), educated (97.7% graduate high school, and 48.9% graduated with a bachelor's degree or higher), and middle class (median household income was over $67,000 per year). Approximately 18.5% of the population is identified as Asian, and 6.3% as black.

Figure 2. Aerial map of the community surrounding Sterigenics Corporation



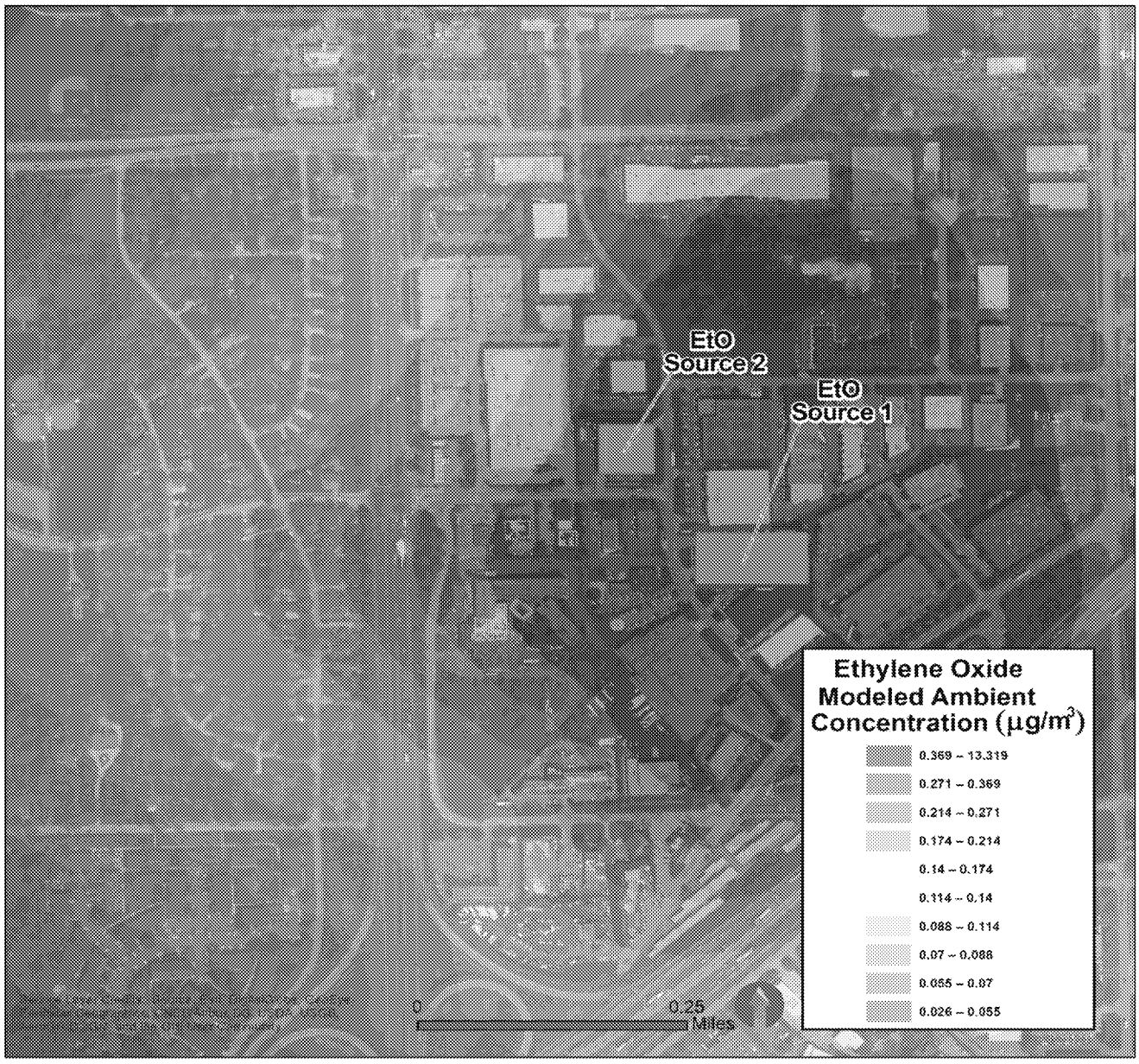
Source: Google Earth

ENVIRONMENTAL DATA

Air Modeling

U.S. EPA modeled short and long-term ambient EtO concentrations (AERMOD version 18081) to evaluate the potential impact of site emissions. These scenarios estimated a 5-year average to represent chronic exposures and maximum 1- and 8-hour averages to represent acute exposures at 882 community receptor points. An overlay of the modeling output is displayed in Figure 3, below. The statistical distributions of the modeled air concentrations are presented in Table 1.

Figure 3. AERMOD modeling output: 5-year average exposure estimates



Source: U.S. EPA Air and Radiation Division, Region 5
Note: Source 1 is Sterigenics Willowbrook Building 1, and Source 2 is Sterigenics Willowbrook Building 2

Table 1. Statistical distribution of EtO modeling*

Statistics	Modeled 1-hour ($\mu g/m^3$)	Modeled 8-hour ($\mu g/m^3$)	Modeled 5-year ($\mu g/m^3$)
Minimum	2.17	1.02	0.03
25th Percentile	4.62	2.26	0.09
50th Percentile	9.72	4.07	0.17
75th Percentile	18.88	7.29	0.31
90th Percentile	33.90	12.62	0.57
95th Percentile	45.22	18.83	0.91
99th Percentile	134.73	61.39	2.97
Maximum	249.77	123.89	13.32
Mean	15.75	6.72	0.32
Geometric Mean	10.13	4.41	0.18

N= 882 modeled receptors

Air Measurements

U.S. EPA collected 39 validated samples May 16th and May 17th, 2018. These samples were collected using SUMMA® canisters, and analyzed using U.S. EPA Compendium Method TO-15, Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. A SUMMA® canister is an airtight, stainless-steel container with an inner surface that has been electro-polished and chemically deactivated. The laboratory is required to clean each canister and evacuate it to a high vacuum prior to shipping it to the sampling location. A canister can hold the vacuum for up to 30 days. The air being sampled is "drawn" into the canister by the high vacuum, thus eliminating the need for a pump. While opening the inlet orifice fills the canister in less than a minute, yielding an instantaneous "grab" sample, regulators can be added to the inlet orifice to draw the air into the canister over a designated period, ranging from 1 to 24-hours.

Of the 39 samples collected at 26 discrete locations (Figure 4), 18 were 12-hour samples, and 21 were grab samples (Table 2). Three of the 12-hour samples were collocated duplicates, and three of the grab samples were collocated duplicates. Grab samples generally had lower EtO concentrations than 12-hour averaged samples (U.S. EPA, 2018). However, all grab samples were collected between 10:20 am and 3:05 pm. ARD staff noted that higher EtO concentrations were measured overnight than during the day, and 12-hour samples were collected overnight in some locations. Since Sterigenics is a 24-hour operation, this may be due to calm meteorological conditions overnight with a higher potential for inversions. Given the elevated detections over a limited duration, additional long-term sampling is warranted to better characterize residential exposure to EtO.

Table 2. Statistical distribution of residential and commercial EtO air sampling*

Statistics	Grab samples (µg/m^3)	12-hour samples (µg/m^3)
Min	0.16	0.34
25th Percentile	0.24	0.69
50th Percentile	0.45	1.56
75th Percentile	1.34	4.39
90th Percentile	2.28	8.26
95th Percentile	4.27	8.44
99th Percentile	4.33	8.96
Max	4.34	9.09
Mean	1.07	3.02
Geo Mean	0.62	1.74

N=21 grab samples, 18 12-hour samples

Figure 4. Ambient air samples near the Sterigenics facility, Willowbrook, IL

Source: U.S. EPA, Region 5

Figure 4, shows the location of discrete samples collected in the community. Given limited measured data presented in Table 2, ATSDR used the maximum 12-hour residential sample concentration and the maximum 12-hour commercial sample concentration to represent chronic upper bound residential (2.1 $\mu g/m^3$) and occupational (9.1 $\mu g/m^3$) exposures in the community. These concentrations represent maximums identified during a very temporally and spatially limited sampling campaign and actual average long-term exposures may be higher or lower.

HEALTH IMPLICATIONS

Overview for identifying contaminants of concern and evaluating risk

To evaluate EtO exposures near Sterigenics, ATSDR considered its own health-based comparison values as well as those published by other agencies. ATSDR uses comparison values for screening purposes to determine whether a pollutant should be evaluated further. A CV was identified for both an intermediate exposure duration (for non-cancer evaluation) as well as for a long-term (chronic) exposure duration (for which we considered both cancer and non-cancer health effects). In this evaluation, the air sampling results were compared to the ATSDR Cancer Risk Evaluation Guide (CREG) and environmental media evaluation guide (EMEG) and California EPA Reference Exposure Level (REL) for EtO.

- ***ATSDR CREGs*** are estimates of the concentrations of a carcinogen at which there is an elevated risk for one additional case of cancer in one million people exposed over a lifetime. ATSDR's CREG for EtO is calculated from the current U.S. EPA's adult-based inhalation unit risk value (0.003 $(\mu g/m^3)^{-1}$) and is based on U.S. EPA evaluations and assumptions about hypothetical cancer risks at low levels of exposure. ATSDR's CREG for EtO is 0.00021 $\mu g/m^3$.
- ***ATSDR inhalation minimal risk levels (MRL)/EMEGs*** are estimates of the concentrations of pollutants calculated that anyone could be exposed to where health effects are unlikely, based on chronic, intermediate, and acute exposures (those occurring longer than 365 days, between 14-365 days, and 14 days of exposure or less, respectively). For EtO, ATSDR only has an intermediate EMEG of 160 $\mu g/m^3$ (ATSDR, 1990).
- ***California RELs*** are concentrations that are unlikely to result in adverse non-cancer health effects. The chronic California REL for EtO is 30 $\mu g/m^3$ (California EPA, 2008).

All 5-year modeled and 12-hour measured averages exceeded the ATSDR CREG. Only maximum modeled concentrations exceeded intermediate or chronic non-cancer screening values. The following sections evaluate chronic non-cancer and cancer risks further.

Ethylene oxide properties

Ethylene oxide is a highly flammable gas that is highly reactive with nucleophilic substances such as water, alcohols, halides, amines, and sulfhydryl compounds. It is used as an intermediate in the production of ethylene glycol and surfactants as well as a fumigant for sterilizing foods and heat-sensitive medical equipment.

EtO is highly reactive, readily absorbed, and easily distributed in the human body. The absolute odor threshold has been reported in several studies to be about 470 milligrams per cubic meter (mg/m^3)

ED_002408_00004342-00011

(or 470,000 μg/m^3), with acute health effects possible in the range of the odor threshold (NRC, 2010). Chronic exposures can result somatic cell damage at much lower concentrations (California EPA, 2008). EtO is mutagenic and causes chromosome damage in many species, including humans. EtO exposure has widely been studied in scientific literature and its adverse health impacts are well understood. The carcinogenic effects of EtO have been documented in human and animal studies (U.S. EPA 2016).

Acute and intermediate exposure and health effects

Acute and intermediate effects have mostly been documented in hospital workers or in other occupational settings that include sterilizing chambers. Short-term exposure (minutes to weeks or months) above the odor threshold of 470 mg/m^3 (into the thousands of mg/m^3) include primarily neurological effects (headache, dizziness, nausea, lethargy, fatigue, muscle weakness, numbness, memory loss, incoordination, etc.), respiratory irritation (irritation of the nasal cavity, sinuses, coughing, shortness of breath, wheezing, and bronchial constriction and hyperreactivity), excessive thirst and dry mouth, and gastrointestinal effects (vomiting, diarrhea, stomach spasms, etc.). Some studies reported skin rashes with short-term exposures (NRC, 2010).

All studies with documented health effects summarized above had substantially higher EtO concentrations than what was observed in measured and modeled data in this assessment. ATSDR does not have an acute health-based comparison value but does have an intermediate-duration health-based comparison value of 160 μg/m^3. No measured data and only the maximum 1-hour modeled concentration of EtO exceeded this value and modeled and measured concentrations of EtO in this investigation were well below the odor threshold. Thus, it is unlikely that the non-cancer health effects noted above would occur in the general or off-site worker populations.

Chronic exposure and health effects

Cancer effects

The U.S. EPA IRIS released an "Evaluation of the Inhalation Carcinogenicity of Ethylene Oxide" in December 2016. This evaluation summarizes the evidence that EtO is "carcinogenic to humans" through a mutagenic mode of action (MOA) and derives an inhalation unit risk value for EtO (U.S. EPA, 2016). Many studies have identified the genotoxic potential and mutagenic mode of action of EtO exposure via inhalation. There is clear evidence from multiple studies that EtO causes chromosomal aberrations, sister chromatic exchanges, and micronuclei in peripheral blood lymphocytes and bone marrow cells. Chromosomal aberrations and micronucleus frequency have been linked to increased risk of cancer in a number of large human studies (Jinot et al., 2017). Mice and rats exposed to EtO demonstrate cancers of the lymphohematopoietic system (cells involved in the production of lymphocytes and cells of blood, bone marrow, spleen, lymph nodes, and thymus), brain, lung, connective tissue, uterus, and mammary gland.

In humans, an increased incidence and mortality of breast and lymphohematopoietic system cancers have been observed in workers in the EtO manufacturing and in sterilizing facilities (U.S. EPA, 2016). U.S. EPA identified six studies evaluating breast cancer in women, with the largest being a study from the National Institute of Occupational Safety and Health (NIOSH) of over 18,000 workers (45% male, 55% female) in 14 commercial sterilization plants. The NIOSH study reported statistically significant

exposure-response relationships for breast cancer incidence and mortality (Steenland et al., 2003 and Steenland et al., 2004). From assessing these studies, U.S. EPA (2016) determined that there is sufficient evidence of a causal relationship between EtO exposure and breast cancer in women.

U.S. EPA used the cancer incidence data from the NIOSH study, using individual exposure estimates for 17,530 workers from 13 plants, to calculate an inhalation unit risk value. A linear low-dose extrapolation of the lowest effective concentration (LEC; defined here as the lower 95% confidence limit on the EC_{01}, the estimated effective concentration associated with 1% extra risk) for lymphoid cancer was calculated as 2.9×10^{-3} per $\mu g/m^3$. Using the same approach, the lifetime unit risk for breast cancer was calculated as 8.1×10^{-4} per $\mu g/m^3$. Combining the risk for lymphoid and breast cancers in females U.S. EPA adopted an inhalation unit risk of 2.99×10^{-3} per $\mu g/m^3$ (rounded to 3.0×10^{-3} per $\mu g/m^3$). These adult-exposure only unit risk estimates were then rescaled to a lifetime, using age-dependent adjustment factors (ADAF). ADAFs are used to incorporate the greater risk of early life exposure to chemicals that have a mutagenic MOA. When applying the ADAFs, EPA calculated an inhalation unit risk value over a 70-year lifetime of 5.0×10^{-3} per $\mu g/m^3$ (U.S. EPA, 2016). Cancer risk from measured and modeled EtO concentrations are estimated by multiplying the IUR by the EtO concentrations.

U.S. EPA Cancer Risk Estimates Reviewed by ATSDR

U.S. EPA Region 5 air modelers estimated cancer risk assuming a 70-year lifetime from measured and modeled data. Based on modeled EtO concentrations at over 882 specific locations around the Sterigenics facility, U.S. EPA used the 5-year average EtO concentrations to calculate lifetime cancer risks between 1.3×10^{-4} to 6.7×10^{-2}, with a geometric mean risk of 9.1×10^{-4}. Even though cancer risks are not generally calculated for short term exposures, the estimated cancer risks associated with the *measured* EtO air concentration (19 samples collected for 12 hours each) were similar (range: 7.9×10^{-4} to 4.5×10^{-2}, geometric mean: 7.7×10^{-3}; Table 3). Note that these cancer risks were calculated using the lifetime ADAF-adjusted IUR of 5.0×10^{-3} per $\mu g/m^3$.

Table 3. Range of measured and modeled EtO concentrations: U.S. EPA Cancer Risk Estimates

Statistics	Modeled 5-year ($\mu g/m^3$)	Modeled cancer risk range	12-hour samples ($\mu g/m^3$)	Measured cancer risk range*
Minimum	0.03	1.3E-04	0.16	7.9E-04
Maximum	13.32	6.7E-02	4.34	4.5E-02
Mean	0.32	1.6E-03	1.04	1.4E-02
Geometric Mean	0.18	9.1E-04	0.61	7.7E-03

**Cancer risk was calculated to estimate what long term exposures to the 12-hour concentration could look like if sustained long term and does not represent actual exposures.*

Cancer Risk Estimates Calculated by ATSDR

For ATSDR assessments, the reasonable maximum exposure (RME) scenario for residential exposure duration is 33 years over a lifetime of 78 years, so ATSDR calculated an IUR based on 33-year residential exposure using ADAFs. As mentioned previously, ATSDR's RME exposure point concentration (EPC) of 2.1 $\mu g/m^3$ was used as a reasonable estimate of exposure for the most exposed individual in the community. This EPC is the maximum residential sample concentration of EtO in the May 2018 data collection period. Given these assumptions, the cancer risk for this residential sample

ED_002408_00004342-00013

location is **6.4 x 10^{-3}**—an additional lifetime risk of 6.4 cancers in a population of 1,000 residents who could be exposed to EtO emissions from Sterigenics. This cancer risk exceeds U.S. EPA's decision-making cancer risk range of 1.0 x 10^{-6} to 1.0 x 10^{-4}, and adds to the lifetime background cancer risk of an average American of 1 in 3 people (American Cancer Society, 2018).

Table 4. Site-specific ADAF calculations for residential exposure*

Age Range	ADAF	U.S. EPA unadjusted IUR	EPC (µg/m³)	Duration Adjustment	Partial Risk
0 to <2 yrs	10	2.99 x 10^{-3}	2.1	2 years/78 years	1.6 x 10^{-3}
2 to <16 yrs	3	2.99 x 10^{-3}	2.1	14 years/78 years	3.4 x 10^{-3}
16 to 33 yrs	3	2.99 x 10^{-3}	2.1	17 years/78 years	1.4 x 10^{-3}
				Lifetime Risk	**6.4 x 10^{-3}**

**Cancer risk was calculated to estimate what long term exposures to the 12-hour concentration could look like if sustained long term and does not represent actual exposures.*

Likewise, ATSDR assumed the maximum commercial 12-hour sample concentration in commercial sample locations of 9.1 µg/m³ to represent RME occupational exposures to workers in nearby facilities. Note that workers at the Sterigenics facility would be covered under the Occupational Safety and Health Administration (OSHA) EtO standard (29 CFR 1910.1047). For the off-site worker scenario, ATSDR assumed an 8.5-hour workday, 250 days a year, for 25 years (ATSDR, 2016), yielding an exposure factor (EF) of 0.08.

$$EF_{cancer,\ chronic} = \frac{8.5\,\frac{hr}{d}\,x\,5\,\frac{d}{wk}\,x\,50\,\frac{wk}{yr}\,x\,25\,yr}{24\frac{hr}{d}\,x\,7\,\frac{d}{wk}\,x\,52.14\,\frac{wk}{yr}\,x\,78\,yr} = 0.08$$

Cancer risk for workers can be calculated by multiplying the long-term air concentration by the IUR, adjusting the duration of exposure as appropriate using the exposure factor calculation, above:

$$Cancer\ risk = IUR\ x\ EPC\ (\mu g/m^3)\ x\ EF$$

For the maximum commercial concentration of 9.1 µg/m³, this risk equation yields a lifetime occupational cancer risk of 2.1 x 10^{-3}, or an increased risk of cancer for 2.1 people in a population of 1,000 workers from chronic exposures to Sterigenics emissions:

$$Cancer\ risk_{occupational} = 0.00299\ x\ 9.1\ \mu g/m^3\ x\ 0.08 = \mathbf{2.1\ x\ 10^{-3}}$$

While a more complete database from which to characterize exposure is preferable, we used U.S. EPA's limited data for the Sterigenics investigation and applied the standard ATSDR evaluation process. Note that in both ATSDR calculations, we made a very conservative assumption that a 12-hour sample represents long term exposure. We felt this assumption was warranted because the measured and modeled concentrations demonstrated consistency and provided support that this range of exposure is possible in the area surrounding Sterigenics.

ED_002408_00004342-00014

Non-cancer effects

Workers exposed to ethylene oxide over a long-term duration experienced similar health effects to those exposed over shorter durations (California EPA, 2008). Workers exposed to levels of EtO at 8,500 $\mu g/m^3$ and higher over an average of 5-6.5 years demonstrated cognitive and motor impairment compared to unexposed controls. At lower levels of EtO exposure (145-300 $\mu g/m^3$), studies have shown evidence of hemoglobin adducts, DNA damage effects (i.e. sister chromatid exchanges), and hematological effects (i.e. increases in leukocytes and decreases in neutrophil counts; decreases in hematocrit and hemoglobin) (California EPA, 2008). No measured EtO concentrations from the residential or occupational sampling approached or exceeded effect levels in the long-term modeling estimates or the 12-hour samples being used as chronic exposure surrogates, therefore, non-cancer health effects are not expected. However, air sampling in this effort was extremely limited.

LIMITATIONS

ATSDR made several assumptions as part of this assessment that could lead to the over or underestimation of risk. Some limitations of this assessment include:

1. To calculate risks, ATSDR assumed that the concentrations measured during this assessment will continue, unchanged if no actions are taken, over 33 years for residents, and 25 years for workers.
2. ATSDR assumed that the very limited sampling investigation of 26 discrete locations over 2 days throughout the community represents typical exposure conditions from Sterigenics EtO emissions. Only one 12-hour residential sample was collected, and that sample was used to represent the RME residential chronic exposure estimate. EtO concentrations from grab samples at one other residential location were slightly higher than the 12-hour averaged sample collected at this property.
3. ATSDR assumed that the highest EtO concentration in the commercial area surrounding Sterigenics represents worst case off-site worker exposures. This is likely underestimating worker exposures for some employees in this area.
4. Due to a lack of long term sampling, the temporal trends of EtO emissions could not be evaluated. Fluctuations of seasons that affect temperatures, barometric pressure, wind speed and direction, and other potential factors that could influence the transport of EtO into the surrounding community were not assessed.

Despite these limitations, ATSDR acknowledges that the U.S. EPA modeling demonstrates similar concentration ranges to community air measurements. Thus, ATSDR believes the exposure estimates assumed in this assessment are reasonable. Historical emissions were higher before a substantial drop in 1999 with the construction of aeration rooms in Building 1. EtO cancer risks may have been substantially greater for the 14 years the facility operated before these emission controls were implemented, but historical risk cannot be evaluated with available emissions data.

ED_002408_00004342-00015

Conclusions:

U.S. EPA asked ATSDR to answer the following question: "*If modeled and measured ethylene oxide concentrations represent long term conditions, would they pose a public health problem for people living and working in Willowbrook?*" U.S. EPA provided modeled and measured data for ATSDR to evaluate and render a health opinion.

It is ATSDR's conclusion that the data U.S. EPA provided suggests that residents and workers are exposed to elevated airborne EtO concentrations from facility emissions. It is difficult to assess long-term public health implications from facility emissions because there has been no historical air monitoring in the community. ATSDR assumed that these data represent long term exposures for area residents and workers. Specifically, ATSDR concludes the following:

1) If measured and modeled data represent typical EtO ambient concentrations in ambient air, *an elevated cancer risk exists* for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility. These elevated risks *present a public health hazard to these populations*.
2) Measured and modeled ethylene oxide concentrations in ambient air indicate that non-cancer health effects are unlikely for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility.

Recommendations:

1) ATSDR recommends that Sterigenics take immediate action to reduce EtO emissions at this facility.
2) ATSDR recommends that U.S. EPA work with the Sterigenics facility to initiate long-term air monitoring as soon as possible to measure ambient air levels of EtO. Ongoing air monitoring can demonstrate the effectiveness of actions taken by the company to reduce emissions and subsequent exposures in the community.
3) ATSDR recommends that IDPH investigate whether there are elevated cancers in the population surrounding the Sterigenics facility that are consistent with those associated with chronic EtO exposures.

Please do not hesitate to contact ATSDR Region 5 to discuss this assessment further or to request further public health assistance.

Sincerely,

Michelle A Colledge

Michelle Colledge, MPH, PhD
Environmental Health Scientist
Agency for Toxic Substances and Disease Registry
Division of Community Health Investigations
Central Branch, Region 5

ED_002408_00004342-00016

CC:
Ken Runkle, IDPH
Aaron Martin, IDPH
Kathryn Siegel, U.S. EPA
Margaret Sieffert, U.S. EPA
Alexis Cain, U.S. EPA
Mark Johnson, ATSDR/ DCHI/CB
Rick Gillig, ATSDR/ DCHI/CB
Tina Forrester, ATSDR/ DCHI/OD

References:

Agency for Toxic Substances and Disease Registry (ATSDR). 2018. Discussion between ATSDR and U.S. EPA Region 5 Air and Radiation Division on 7/23/2018.

Agency for Toxic Substances and Disease Registry (ATSDR). 2016. Exposure Dose Guidance for Determining Life Expectancy and Exposure Factor. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Agency for Toxic Substances and Disease Registry (ATSDR). 1990. Toxicological Profile for Ethylene Oxide. Health and Human Services: Atlanta, GA. Accessed from: https://www.atsdr.cdc.gov/toxprofiles/tp.asp?id=734&tid=133

American Cancer Society (ACS). 2018. Lifetime probability of developing or dying of cancer. Accessed from: https://www.cancer.org/cancer/cancer-basics/lifetime-probability-of-developing-or-dying-from-cancer.html

California Environmental Protection Agency (California EPA). 2008. Determination of Noncancer Chronic Reference Exposure Levels, Appendix D3, Ethylene Oxide. Accessed from: https://oehha.ca.gov/chemicals/ethylene-oxide.

Illinois Environmental Protection Agency (Illinois EPA). 2017. DRAFT/PROPOSED Clean Air Act Permit Program (CAAPP) PERMIT. Permit No. 95120085. Bureau of Air, Permit Section. April 17, 2017.

Illinois Environmental Protection Agency (Illinois EPA). 2015. *Statement of Basis* for the DRAFT CAAPP Permit for: Sterigenics. Statement of Basis No.: 95120085. February 25, 2015.

Jinot, J., Fritz, J., Vulimiri, S., and Keshava, N. 2017. Carcinogenicity of ethylene oxide: key findings and scientific issues. *Toxicol Mech Methods*, Jun;28(5):386-396.

National Research Council (NRC). 2010. Committee on Acute Exposure Guideline Levels. Washington (DC): National Academies Press (US). ISBN: 978-0-309-15944-9.

Steenland, K; Stayner, L; Deddens, J. 2004. Mortality analyses in a cohort of 18 235 ethylene oxide exposed workers: Follow up extended from 1987 to 1998. Occup Environ Med 61: 2-7.

Steenland, K., Whelan, E., Deddens, J., Stayner, L., Ward, E. 2003. Ethylene oxide and breast cancer incidence in a cohort study of 7576 women (United States). *Cancer Causes Control*. 14:531–539.

Sterigenics International, LLC. 2018. Willowbrook, IL: Ethylene Oxide Sterilization. Accessed from: https://www.sterigenics.com/facilities_pdfs/2018/eo/n_amer/Willowbrook.pdf.

United States Census (Census). 2016. American Fact Finder: 2016 Population Estimates. Accessed from http://www.census.gov.

United States Environmental Protection Agency (U.S. EPA). 2018. Validated Raw Data Package. Provided to ATSDR by U.S. EPA Air and Radiation Division (ARD) for review on 6/6/2018.

United States Environmental Protection Agency (U.S. EPA). 2016. Evaluation of the Inhalation Carcinogenicity of Ethylene Oxide. National Center for Environmental Assessment, Washington DC. Accessed from http://www.epa.gov/iris.

Message

From: South, Peter [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1EAD249DF78840C9928874EC2EC4F9A6-PSOUTH]
Sent: 7/16/2018 8:38:09 PM
To: Harnett, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=437834c4b30541d2beb0386cc3d0e253-WHARNETT]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; McKinney, Voronina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McKinney, Voronina]; OAQPS WOPS [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=88444ab5262e4c9089b92e0e7e31990b-OAQPS WOPS]; OAR Briefings [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2da922b09b7a4a18a19571005bff0297-OAR Briefin]
CC: Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; McKinney, Voronina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McKinney, Voronina]
Subject: Agenda/Meeting Materials in Prep for Tomorrow's Meetings
Attachments: 1_2017 Design Values Highlights and Table 7_17_18.docx; 2_a_MSW Landfills 07_17_18.docx; 2_b_i_OAQPS-quick facts AD 07_17_18.pptx; 2_b_ii_OAQPS Org 07_17_18.pptx; 3_a_i_EtO discussion with Regions 3-6 07_17_18.docx; 3_a_ii_NATA Results Summary for Regions 3 4 5 6.pptx; 3_b_Grain Elevators NSPS 07_17_18.docx; 4_a_Marine Vessel Loading 07_17_18.docx; 4_b_Biomass Update AD 07_17_18.docx; 5_i_NOxSOxPM ISA Overview 07_17_18.pptx; 5_ii_NOx SOx PM_NAAQS_review_pager 07_17_18.docx; 6_c_i_Title V Petitions update DH 07_17_18.pptx; 6_c_ii_Upcoming Title V Pet Dates 07_17_18.docx; 6_b_Res Wood Heater Update AD 07_17_18.pptx; 7_a_EGU RTR Modeling Sum 07_17_18.docx; 7_b_Press Rel Dev AD 07_17_18.docx; 6_a_i_SSM SIP Analysis 7_17_18.DOCX; 6_a_ii_Table 1_Regional Characterization of PendingSIP Actions_2018-07-13.pdf; 6_a_iii_Table 2 _ Regional Char of Pending SIP Actions 07_17_18.pdf; 6_a_iv_Table 3_Regional Characterization of Pending SIP Actions_2018-07-13_StateCount_sort on Court.pdf; 0_Final Agenda BW visit RTP 07_17.docx

I have attached the agenda and meeting materials in prep for tomorrow's meetings with Bill, Mandy, David and Alex. We will have binders for Bill W and the team when they arrive in the morning.

Feel free to call me or Mike Koerber with any questions relating to this information.

Thank you.

Pete South
OAR/OAQPS/IO
U.S. EPA
office: 919 541-5359
Personal Phone / Ex. 6

0_Final Agenda BW visit RTP 07...

	Bill W	*Mandy*	*David*	*Alex*
8:30 to 9:00	2017 Design Value Update			

	1_2017 Design Values Highlight...		
9:00 to 9:45	Municipal Solid Waste Landfills 2_a_MSW Landfills 07_17_18.docx		OAQPS Overview with PACS 2_b_i_OAQPS-q... facts AD 07_17_... 2_b_ii_OAQPS Org 07_17_18.pptx
10:00 to 10:45	EtO with RAs (HEID) 3_a_i_EtO discussion with ... 3_a_ii_NATA Results Summar...		Grain Elevators Backgrounder 3_b_Grain Elevators NSPS ...
11:00 to 11:45	Marine Vessel Loading 4_a_Marine Vessel Loading 07_17_1...		Biomass Backgrounder 4_b_Biomass Update AD 07_1...
12:00 to 12:45	*Lunch*		
1:00 to 1:45	NOx/SOx Secondary NAAQS Review (second draft ISA) 5_i_NOxSOxPM ISA Overview 07... 5_ii_NOx SOx PM_NAAQS_revi...		
2:00 to 2:45	SSM 6_a_i_SSM SIP Analysis 7_17_1... 6_a_ii_Table 1_Regional Char... 6_a_iii_Table 2 _ Regional Char of... 6_a_iv_Table 3_Regional Char...	Title V 6_c_i_Title V Petitions update ... 6_c_ii_Upcoming Title V Pet Dates...	Wood Heaters Backgrounder 6_b_Res Wood Heater Update A...
3:00 to 3:45	MATS Update 7_a_EGU RTR Modeling Sum 0...		Pressure Relief Devices Backgrounder 7_b_Press Rel Dev AD 07_17_18.docx
3:45 to 5:00	OAR Business Review		Open

Message

From: Koerber, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9C513901D4FD49F9AB101A6F7A7A863E-KOERBER, MIKE]
Sent: 8/13/2018 8:00:33 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: Fwd: NATA & EtO pager
Attachments: EtO pager 081318.docx; ATT00001.htm

Clint - Here is a pager (for Ryan) which shows the regional scope of the ethylene oxide issue. Please let know if you need anything more.

Mike

Begin forwarded message:

> **From:** "Sasser, Erika" <Sasser.Erika@epa.gov>
> **Date:** August 13, 2018 at 3:56:16 PM EDT
> **To:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Cc:** "Smith, Darcie" <Smith.Darcie@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Jones, Rhea" <Jones.Rhea@epa.gov>
> **Subject: NATA & EtO pager**
>
> Hope this will work.

Message

From: Hamilton, Sabrina [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=68D3167C798743848AAFCDFB73BB74F1-SHAMILTN]
Sent: 9/27/2018 7:38:04 PM
To: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: RE: Addresses for 2nd batch of letters
Attachments: Signed Response to Representative Jim Durkin re Willowbrook, IL.pdf; Signed Response to Mayor Kathleen Weaver re Willowbrook, IL.pdf; Signed Response to Mayor Frank Trilla re Willowbrook, IL.pdf; Signed Response to Chairman Dan Cronin re Willowbrook, IL.pdf; Signed Response to Director Alec Messina re Willowbrook, IL.pdf; Signed Response to Mr. Matthew Dunn re Willowbrook, IL.pdf

Attached are the signed letters for you for send to Region 5.

Sabrina Hamilton

Sabrina Hamilton
Air and Radiation Liaison Specialist
and FOIA Coordinator
Office of Air and Radiation
U.S. Environmental Protection Agency (EPA)
1200 Pennsylvania Avenue, N.W. (6101-A)
Washington, D.C. 20460
Tel: (202) 564-1083

From: Lewis, Josh
Sent: Thursday, September 27, 2018 2:28 PM
To: Hamilton, Sabrina <Hamilton.Sabrina@epa.gov>
Subject: Addresses for 2nd batch of letters

6 new ones:

The Honorable Jim Durkin
Illinois House of Representatives
316 State House
Springfield, Illinois 62706

Dear Representative Durkin:

The Honorable Kathleen Weaver
Mayor of City of Darien
1702 Plainfield Road
Darien, Illinois 60561

Dear Mayor Weaver:

The Honorable Frank Trilla
Mayor of the Village of Willowbrook
835 Midway Drive

Willowbrook, Illinois 60527

Dear Mayor Trilla:

The Honorable Dan Cronin
Chairman, County Board of DuPage
421 North County Farm Road
Wheaton, Illinois 60187

Dear Chairman Cronin:

Alec Messina
Director
Illinois Environmental Protection Agency
1021 Grand Avenue East
P.O. Box 19276
Springfield, IL 62974

Dear Director Messina:

Matthew J. Dunn
Chief
Environmental Enforcement/Asbestos Litigation Division
Illinois Attorney General's Office
500 South Second Street
Springfield, IL 62706

Dear Mr. Dunn:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

The Honorable Dan Cronin
Chairman, County Board of DuPage
421 North County Farm Road
Wheaton, Illinois 60187

Dear Chairman Cronin:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

ED_002408_00004604-00001

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

Mr. Alec Messina
Director
Illinois Environmental Protection Agency
1021 North Grand Avenue
P.O. Box 19276
Springfield, Illinois 62794

Dear Director Messina:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

The Honorable Frank Trilla
Mayor of the Village of Willowbrook
835 Midway Drive
Willowbrook, Illinois 60527

Dear Mayor Trilla:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

ED_002408_00004606-00001

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

The Honorable Kathleen Weaver
Mayor of City of Darien
1702 Plainfield Road
Darien, Illinois 60561

Dear Mayor Weaver:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

ED_002408_00004607-00001

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

Mr. Matthew J. Dunn
Chief
Environmental Enforcement/Asbestos Litigation Division
Illinois Attorney General's Office
500 South Second Street
Springfield, Illinois 62706

Dear Mr. Dunn:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

September 27, 2018

OFFICE OF
AIR AND RADIATION

The Honorable Jim Durkin
Illinois House of Representatives
316 State House
Springfield, Illinois 62706

Dear Representative Durkin:

Thank you for your inquiry about ethylene oxide emissions from the Sterigenics facility in Willowbrook, Illinois. Please know that the Agency shares your concerns and is taking actions to provide certainty to the residents of Willowbrook. In the short term, the U.S. Environmental Protection Agency's (EPA) national Office of Air and Radiation will be collecting, analyzing, and communicating technical information, including recent stack testing results, risk and exposure modeling, and ambient monitoring, to provide updated, comprehensive information to the public. It is important to note that the air concentrations of ethylene oxide are not high enough to cause immediate harm to health for the people in and around Willowbrook.

We are working with state and local air agencies and other EPA offices to take steps to address emissions of ethylene oxide, and are committed to continuing to provide information to the public throughout this process. Initial information, including links to information for the Willowbrook facility, is available on our ethylene oxide website at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide.

Willowbrook is one of a number of areas that the recently updated National Air Toxics Assessment (NATA) identifies as potentially having an elevated chronic risk from ethylene oxide. NATA is a screening tool to identify areas of the country, pollutants or types of pollution sources that may need to be examined further to better understand risks to public health. Ethylene oxide is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The elevated risks from ethylene oxide in the 2014 NATA are driven largely by a toxicity value from the Agency's 2016 IRIS assessment, which estimated that ethylene oxide is 50 to 60 times more potent than previous estimates. This value is used along with the information about air concentrations (exposure), to determine potential risk of cancer that may occur to someone who is continuously exposed to a specific chemical for 24 hours per day over 70 years.

Over the last several months, EPA has provided ethylene oxide-related information from NATA and additional technical work to the community in and around Willowbrook. We know that this information has raised a number of questions and the Agency is working to develop additional technical and communication materials to help the community understand the potential risks.

ED_002408_00004609-00001

Based on preliminary NATA results earlier this year, EPA Region 5 contacted Sterigenics about its emissions. The company quickly and voluntarily took steps to reduce emissions using pollution control equipment. The pollution control improvements were completed on July 27, 2018. Sterigenics had estimated that the control equipment would reduce ethylene oxide emissions by over 90 percent. After the pollution controls began operating, a contractor hired by Sterigenics conducted stack testing of ethylene oxide emissions at the facility on September 20 and 21, 2018. U.S. EPA subject matter experts as well as experts from the Illinois EPA were on site to ensure that the tests followed EPA-approved protocols and would provide the right type of information to inform the community about resulting changes in emissions and concentrations of ethylene oxide. This testing will give the Agency the information it needs to provide the most accurate picture of the potential risks to the community, and actions the Agency may need to take.

We expect to receive the results of the testing in the next few days. Early indications from the post-control stack testing suggest that emissions have indeed been significantly reduced. Our experts will work with our colleagues at the Illinois EPA to review the test data as soon as we receive it to quality assure the results and make them available to the public as expeditiously as possible. EPA will use the quality-assured data from the stack tests to conduct additional technical assessments that will help us estimate potential risk for the community. U.S. EPA will work closely with Illinois EPA and Sterigenics as we conduct these assessments.

We have received a number of requests to conduct outdoor air quality monitoring of ethylene oxide in Willowbrook. While there are limitations to the ability of currently available monitoring instruments and techniques to measure ethylene oxide at all levels that may present a long-term public health risk, EPA also intends to supplement this technical work with appropriate ambient monitoring in the near future. It is important to note that data from emissions testing at the stack provides the most accurate information to assist us in determining potential risk.

EPA is also working to further investigate emissions at the other areas NATA indicated may be at higher risk due to ethylene oxide exposure. We will work with state and local agencies and across EPA offices on a two-pronged approach to address ethylene oxide emissions:

1. The Agency has already started to review and update Clean Air Act regulations for facilities that emit ethylene oxide. This work includes standards applicable to chemical plants that use ethylene oxide and, more importantly for Willowbrook, standards for sterilizers that use ethylene oxide.

2. We are gathering additional information on industrial emissions of ethylene oxide from particular facilities, including the Willowbrook facility. This information will help EPA as it evaluates opportunities to reduce ethylene oxide emissions as part of its regulations review. It also will help the Agency determine whether more immediate emission reduction steps are necessary in any particular locations.

Additional information on our work to address ethylene oxide is available at: https://www.epa.gov/hazardous-air-pollutants-ethylene-oxide. The 2014 NATA results are available at: https://www.epa.gov/national-air-toxics-assessment/2014-nata-assessment-results.

EPA will continue to coordinate closely with state and local air agencies, and across EPA offices, as we continue to work to address ethylene oxide and protect public health across the U.S. Please do not hesitate to contact me or Troy Lyons in the Office of Congressional and Intergovernmental Relations at lyons.troy@epa.gov or 202-564-5200 if you wish to discuss this issue further.

Sincerely,

William L. Wehrum
Assistant Administrator

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 3/12/2019 3:21:50 PM
To: Eby, Natasha [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d5c14481f6874e3aa434b3b01a4a2a7d-Eby, Natash]; Humphreys, Hayly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4f4a7b4aeaf143bf806b0dd5b7884324-Humphreys,]
CC: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Alexander Dominguez (dominguez.alexander@epa.gov) [dominguez.alexander@epa.gov]
Subject: Background materials for Stop Sterigenics meeting (Wednesday morning at 9:30
Attachments: Draft Internal.Meeting with Stop Sterigenics. Background for Administrator.docx; Press.Release.03-07-19_.pdf

Background paper + copy of recent press release from Stop Sterigenics.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 3/8/2019 5:21:36 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Bill's calendar 2/18-3/1

Not yet. Didn't have a chance to raise w/ Clint this morning. I'll add him to the email you sent earlier and see if he responds to that.

From: DeLuca, Isabel
Sent: Friday, March 08, 2019 12:20 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Bill's calendar 2/18-3/1

Hey, just wanted to check to see if you heard anything back about whether or not Bill attended the 8:30 and 9:30 meetings in 3/1...

Begin forwarded message:

From: "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Date: March 8, 2019 at 9:25:03 AM EST
To: "Wehrum, Bill" <Wehrum.Bill@epa.gov>, "Harlow, David" <harlow.david@epa.gov>
Cc: "Lewis, Josh" <Lewis.Josh@epa.gov>, "Millett, John" <Millett.John@epa.gov>
Subject: Bill's calendar 2/18-3/1

Hi all,
Below is Bill's calendar from 2/18-3/1. Please let me know if you have any corrections or questions before I send to OPA for posting.

Deliberative Process / Ex. 5

Thanks,
Isabel

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Isabel DeLuca
Office of Air and Radiation, US EPA
(202) 343-9247

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/11/2019 6:50:33 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Sterigenics

Sounds great

From: DeLuca, Isabel
Sent: Monday, February 11, 2019 1:48 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Sterigenics

Hey Josh,

Deliberative Process / Ex. 5

If you have any questions, let me know!

Thanks,
Isab

From: Lewis, Josh
Sent: Monday, February 11, 2019 1:29 PM
To: EtO <EtO@epa.gov>
Cc: Davis, Alison <Davis.Alison@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Monday, February 11, 2019 11:32 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Megan Malloy Personal Email / Ex. 6
Sent: Saturday, February 9, 2019 12:44 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

Mr. Wehrum:

I am a registered voter who lives in Hinsdale, IL, and I have deep concerns regarding the ethylene oxide emissions emanating from Willowbrook's Sterigenics plant. My children, as well as many others that I know and even more that I don't, spend hours in close proximity to the plant at baseball and swimming lessons. Of even more concern is the large number of innocent people who live and work in the area. Sterigenics needs to be shut down in order to protect our air, environment, and citizens, and it is the job of the EPA to regulate and protect. Please work to shut down Sterigenics and for legislation banning the emission of ethylene oxide in Illinois.

Thank you,
Megan Malloy

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/4/2018 8:07:18 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: RE: Meeting re: Willowbrook samples

Got it. And the follow up email you sent as well

From: Koerber, Mike
Sent: Tuesday, December 04, 2018 2:19 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Cc: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Subject: RE: Meeting re: Willowbrook samples

Josh – Please print (in color) for the 3:30 pm meeting. We may have more to send, but wanted to be sure you got this at least. Thanks.

<< File: Initial Data - November 2018.pdf >>

-----Original Appointment-----
From: Wehrum, Bill
Sent: Monday, December 03, 2018 12:39 PM
To: Wehrum, Bill; Woods, Clint; Koerber, Mike; Rimer, Kelly; Davis, Alison; Smith, Darcie; Weinstock, Lewis; Bremer, Kristen; Chen, Xi
Cc: Harlow, David
Subject: Meeting re: Willowbrook samples
When: Tuesday, December 04, 2018 3:30 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where: WJC - N 5400 + Video with RTP Personal Phone / Ex. 6

TO: Bill Wehrum, Clint Woods, Mike Koerber, Kelly Rimer, Alison Davis, Darcie Smith, Lew Weinstock, Doris Chen, Kristen Bremer

<< Message: Re: Willowbrook samples Nov 14-20 - All spreadsheets >>

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/21/2018 6:02:37 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Stop Sterigenics now!

From: Wehrum, Bill
Sent: Friday, December 21, 2018 6:11 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Stop Sterigenics now!

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

> **From:** Christina Vasta <cvasta1010@gmail.com>
> **Date:** December 20, 2018 at 11:25:40 PM EST
> **To:** wehrum.william@epa.gov
> **Subject: Stop Sterigenics now!**
>
> Mr Wehrum - please do what you can to shut down Sterigenics in Willowbrook IL. They have been emitting a toxic, cancer causing chemical for nearly 35 years. Children go to school near the facility. Cancer rates are sky high near the facility. It's absurd that this plant is still operating considering what we know about the ethylene oxide emissions.
>
> Please do the right thing for the community.
>
> Shut down Sterigenics!!
>
> Thank you
> Christina Vasta
>
> Sent from my iPhone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/4/2018 3:44:30 PM
To: Hamilton, Sabrina [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=68d3167c798743848aafcdfb73bb74f1-shamiltn]
CC: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]; Carroll, Maria [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e868254d9da47e1ab5831814a7ff2fb-Carroll, Ma]; Terry, Sara [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a5f08a9bf1324b05bc02a7dd2ea695e4-STERRY]; Ashley, Jackie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=01a9a3cadfa14c509d09cdae3498dd43-JASHLEY]
Subject: revised version of the response to State Senator Collins re: Willowbrook (AX-19-000-0779
Attachments: Response AX-19-000-0779 Collins120418.docx

Here's the version Bill signed off on.

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/3/2018 4:24:47 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]

Subject: Sterigenics Facility Tour
Location: Willowbrook, IL

Start: 11/29/2018 7:00:00 PM
End: 11/29/2018 9:00:00 PM
Show Time As: Tentative

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/3/2018 4:24:33 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]

Subject: Meeting with Willowbrook elected officials
Attachments: FINAL-willowbrook elected AGENDA 11-29.docx
Location: Willowbrook, IL

Start: 11/29/2018 5:00:00 PM
End: 11/29/2018 6:00:00 PM
Show Time As: Tentative

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/17/2018 8:11:13 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Shut Down Sterigenics

From: Wehrum, Bill
Sent: Monday, December 17, 2018 1:20 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Shut Down Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

> **From:** Michele Johannes Personal Email / Ex. 6
> **Date:** December 17, 2018 at 12:52:28 PM EST
> **To:** "wehrum.william@epa.gov" <wehrum.william@epa.gov>
> **Subject: Shut Down Sterigenics**
>
> Mr. Wehrum,
>
> With all of the facts that we have now regarding the toxic and cancer-causing Ethlyene oxide chemical being emitted from Sterigenics in Willowbrook, there is absolutely NO excuse for this company to continue production. Sterigenics needs to be shut down immediately and your help is needed to so. Please consider the facts and the lives of the people that continue to breathe in this toxic chemical everyday. Especially consider the people who live near Sterigenics who have cancer and other health issues. It is beyond unacceptable that we live in a country where EPA-acknowledged/known cancer-causing chemicals are allowed to be emitted into the air we all breathe and all because money and greed seem to matter more than basic humanity and morals. Sad.
>
> Sincerely,
> Michele Johannes
>
> Sent from my iPhone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/17/2018 8:10:17 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Monday, December 17, 2018 11:50 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Kristina Cesca <Personal Email / Ex. 6
Sent: Monday, December 17, 2018 11:47 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

William,

Please take steps to shut down Sterigenics!

Thank you,
Kristina

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:09:01 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics MUST GO

From: Wehrum, Bill
Sent: Friday, December 07, 2018 7:15 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Sterigenics MUST GO

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

> **From:** Kristina Cesca Personal Email / Ex. 6
> **Date:** December 7, 2018 at 7:13:11 PM EST
> **To:** wehrum.william@epa.gov
> **Subject: Sterigenics MUST GO**
>
> William,
>
> Please act on your "Emergency Powers" clause of the Clean Air Act and close Sterigenics in Willowbrook.
>
> Sincerely,
> Kristina Cesca

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:08:35 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics/EtO

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:10 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Sterigenics/EtO

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: "kathy.antol.ka' Personal Email / Ex. 6
Date: December 7, 2018 at 4:27:45 PM EST
To: Wehrum.william@epa.gov
Subject: Sterigenics/EtO

Mr Wehrum,

Please act on the emergency powers clause of the Clean Air Act. This is a public health crisis and Sterigenics should be shut down immediately!!!!

Concerned nearby resident,
Kathy

Sent via the Samsung Galaxy S7, an AT&T 4G LTE smartphone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:08:21 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Stop the Poisoning of my community

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:08 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Stop the Poisoning of my community

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Sharon Ryan Personal Email / Ex. 6
Date: December 7, 2018 at 3:33:49 PM EST
To: wehrum.william@epa.gov
Subject: Stop the Poisoning of my community

Dear Mr. Wehrum,
I ask you to use the emergency powers in the Clean Air Act to take immediate action to shut down Sterigenics in Willowbrook. Recent ambient air tests indicate that the levels of EtO exceed OSHA safety standards. What more will it take to stop this poison from being pumped into our air? I am asking for my family who lives within one mile of Sterigenics, and for my neighbors.

The EPA should be protecting citizens from toxins in our environment, and not protecting the corporations that pollute.

Please use your authority for good and shut down Sterigenics ASAP!
Sincerely,
Sharon Ryan
7623 Clarendon Hills Rd
Willowbrook, IL 60527

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:08:09 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Emergency Powers

Resending this one w/ the EtO mailbox included this time

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:05 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Emergency Powers

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Raquel Ruby Personal Email / Ex. 6
Date: December 7, 2018 at 3:08:14 PM EST
To: wehrum.william@epa.gov, koerber.mike@epa.gov
Subject: Emergency Powers

Hello,

My name is Raquel Ruby Melliza. I live at Personal Address / Ex. 6

I am emailing to ask for you to please act on the "Emergency Powers" clause of the Clean Air Act. To shut down Sterigenics immediately. Was giving your contact information to call or email you and ask on behalf of my family and the community to help us stop Sterigenics.

Andrew Wheeler- Acting Administrator of the EPA
202-564-4700
email wheeler.andrew@epa.gov

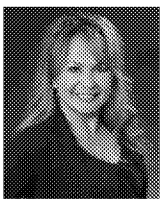
Bill Wehrum Assistant Administrator of the Air and Radiation Department
202-564-7404
wehrum.william@epa.gov

Mike Koerber 919-541-5557
koerber.mike@epa.gov

I have lived in the timber Lake Estates which is 1.3 miles away from the facility and at my current location I am approximately 1.2 miles away. I am three blocks away from Hinsdale South and a Darien park district is two blocks away from me. I have two boys that went to Hinsdale South and we frequent all of the businesses and the surrounding area. I was diagnosed with breast cancer 2009. I had a bilateral mastectomy and reconstruction, a hysterectomy and have been in and out of the hospital from 2009 to 2015. During those surgeries I have had major complications. As also diagnosed would love thyroid 2005. Now having anxieties and depression that I'm dealing with. Both my sons baseball players and we were on the field is all summer. One son was asthmatic. One son had learning disabilities. I am asking you to please put a stop to the poison that they are pumping into our air.

Not only is it poisoning the people that live in this community but it's also hurting the real estate market. The sooner we put a stop to this this sooner everyone could get back to our normal lives.

Thank you and please choose to have a blessed day.



Raquel Ruby Melliza
Real Estate Broker

Personal Email / Ex. 6

Find out what your home is worth by clicking

RAQUEL RUBY

Keller Williams Experience 5122 Main St. Downers Grove Illinois 60515

This electronic communication and its contents are intended for the recipient only and may contain confidential, non-public and/or privileged information. If you have received this electronic communication in error, please advise the sender immediately, and delete it from your system (if permitted by law).

**PLEASE NOTE: THAT WE WILL NEVER GIVE ANY WIRE INSTRUCTIONS VIA EMAIL TO AVOID SCAMS AND TO PROTECT YOUR MONEY. DO NOT FOLLOW ANY WIRING

INSTRUCTIONS GIVEN VIA EMAIL, ALWAYS CONTACT THE TITLE COMPANY, ATTORNEY OR YOUR REALTOR VIA TELEPHONE TO VERIFY WHERE FUNDS SHOULD BE WIRED.**

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:07:33 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Emergency Powers

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:05 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Emergency Powers

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Raquel Ruby Personal Email / Ex. 6
Date: December 7, 2018 at 3:08:14 PM EST
To: wehrum.william@epa.gov, koerber.mike@epa.gov
Subject: Emergency Powers

Hello,

My name is Raquel Ruby Melliza. I live at 4 Personal Address / Ex. 6

I am emailing to ask for you to please act on the "Emergency Powers" clause of the Clean Air Act. To shut down Sterigenics immediately. Was giving your contact information to call or email you and ask on behalf of my family and the community to help us stop Sterigenics.

Andrew Wheeler- Acting Administrator of the EPA
202-564-4700
email wheeler.andrew@epa.gov

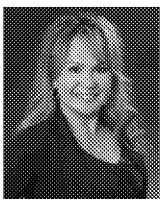
Bill Wehrum Assistant Administrator of the Air and Radiation Department
202-564-7404
wehrum.william@epa.gov

Mike Koerber 919-541-5557
koerber.mike@epa.gov

I have lived in the timber Lake Estates which is 1.3 miles away from the facility and at my current location I am approximately 1.2 miles away. I am three blocks away from Hinsdale South and a Darien park district is two blocks away from me. I have two boys that went to Hinsdale South and we frequent all of the businesses and the surrounding area. I was diagnosed with breast cancer 2009. I had a bilateral mastectomy and reconstruction, a hysterectomy and have been in and out of the hospital from 2009 to 2015. During those surgeries I have had major complications. As also diagnosed would love thyroid 2005. Now having anxieties and depression that I'm dealing with. Both my sons baseball players and we were on the field is all summer. One son was asthmatic. One son had learning disabilities. I am asking you to please put a stop to the poison that they are pumping into our air.

Not only is it poisoning the people that live in this community but it's also hurting the real estate market. The sooner we put a stop to this this sooner everyone could get back to our normal lives.

Thank you and please choose to have a blessed day.



Raquel Ruby Melliza
Real Estate Broker

Personal Email / Ex. 6

Find out what your home is worth by clicking

RAQUEL RUBY

Keller Williams Experience 5122 Main St. Downers Grove Illinois 60515

This electronic communication and its contents are intended for the recipient only and may contain confidential, non-public and/or privileged information. If you have received this electronic communication in error, please advise the sender immediately, and delete it from your system (if permitted by law).

**PLEASE NOTE: THAT WE WILL NEVER GIVE ANY WIRE INSTRUCTIONS VIA EMAIL TO AVOID SCAMS AND TO PROTECT YOUR MONEY. DO NOT FOLLOW ANY WIRING

INSTRUCTIONS GIVEN VIA EMAIL, ALWAYS CONTACT THE TITLE COMPANY, ATTORNEY OR YOUR REALTOR VIA TELEPHONE TO VERIFY WHERE FUNDS SHOULD BE WIRED.**

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:07:22 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Stop Sterigenics in Willowbrook IL

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:05 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Stop Sterigenics in Willowbrook IL

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Christina Vasta Personal Email / Ex. 6
Date: December 7, 2018 at 2:31:51 PM EST
To: wehrum.william@epa.gov
Subject: Stop Sterigenics in Willowbrook IL

Dear Mr. Wehrum -

I am writing in regards to a serious public health crisis in Willowbrook, Illinois (a suburb west of Chicago). Sterigenics located there is emitting a toxin - ethylene oxide - into the air and putting entire towns of people at risk for cancer and other life threatening illnesses. We need to shut this facility down immediately!

Please act on the "Emergency Powers" clause of the Clean Air Act. This is a public health crisis.

Sincerely,

Christina Vasta

Personal Phone / Ex. 6

Sent from my iPhone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:07:08 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:04 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Michelle Schmitz Personal Email / Ex. 6
Date: December 7, 2018 at 2:29:14 PM EST
To: Wehrum.william@epa.gov
Subject: Sterigenics

Dear William--This is a golden opportunity for you to restore some of the E.P.A.'s long lost credibility. You have the new test results that prove we are not as citizens given the right to breath clean air. I have sat through your explanations of basically admitting that the E.P.A isn't or wasn't aware of the toxic air problem in our area. Now you know what your dealing with and we expect immediate action. After all, was not your agency originally set up to protect human health and the environment by ensuring clean and safe air and water?Anything short of this negates the usefullness of your agency. The agency that we as tax payers support.

Respectfully,

Michelle Schmitz

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/10/2018 3:06:54 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Willowbrook, IL ETO -Public Health Crisis

From: Wehrum, Bill
Sent: Friday, December 07, 2018 6:03 PM
To: Woods, Clint <woods.Clint@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Willowbrook, IL ETO -Public Health Crisis

I am forwarding several e mails related to Willowbrook. Here's the first.

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

> **From:** Manjari Personal Email / Ex. 6
> **Date:** December 7, 2018 at 2:28:59 PM EST
> **To:** Wehrum.william@epa.gov
> **Subject: Willowbrook, IL ETO -Public Health Crisis**
>
> Dear Mr. Wehrum,
>
> Please act on the "Emergency Powers" clause of the Clean Air Act and shut down Sterigenics immediately due to the ETO emissions. This is a public health crisis.
>
> Thank you,
> Maniari Malaiva
> Personal Address / Ex. 6
> Sent from my iPhone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/4/2019 9:20:18 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: RE: Bill's calendar 12/24-2/1

thanks

From: Rakosnik, Delaney
Sent: Monday, February 04, 2019 4:17 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: RE: Bill's calendar 12/24-2/1

Looks good to me!

From: Lewis, Josh
Sent: Monday, February 4, 2019 4:11 PM
To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Subject: FW: Bill's calendar 12/24-2/1

Can you please double check that everything below looks good to you?

From: DeLuca, Isabel
Sent: Monday, February 04, 2019 3:09 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Harlow, David <harlow.david@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Millett, John <Millett.John@epa.gov>
Subject: Bill's calendar 12/24-2/1

Hi all,
Below is Bill's calendar from December 24th through last Friday. Please let me know if you have any questions or concerns!

Many thanks,
Isabel

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Wa

Isabel DeLuca
Office of Air and Radiation, US EPA
(202) 343-9247

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/8/2019 6:43:04 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Thursday, February 07, 2019 2:35 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Noah Lawrence Personal Email / Ex. 6
Date: February 7, 2019 at 2:09:43 PM EST
To: wehrum.william@epa.gov
Subject: Sterigenics

Dear Mr. Wehurm,

I am writing to express my deep concern about the pollution being emitted from the Sterigenics factory located in Willowbrook, less than one half mile away from my family's home.

My wife and I purchased our first home in Willowbrook in 2012, with the intention of raising a family. We welcomed our first daughter in 2015, and then twin girls in 2017 (sadly, one of our twins passed away in October 2018 due to complications from a lung infection). We chose Willowbrook because it seemed like an idyllic community, close to my work (at a local high school) and near to parks and excellent community amenities.

We were shocked to learn this past summer that for all the time we've lived in our house we have been exposed to potentially lethal amounts of carcinogens.

It seems to me that the fundamental role of Government is to protect the health and safety of its citizens. It is unconscionable that industry profits should be valued above the lives of the people who live and work nearby.

I would request, as one human to another, that you take every action available to you as a government official to hold Sterigenics Corporation responsible for their actions, and to demand that the factory be shut down. Sterigenics has already violated the trust of its neighbors by continuing to emit high levels of ETO even after arguing that new filters would reduce pollution and by paying google to post industry related websites higher when people search for ETO (source: Chicago Tribune – 2/6/19).

Please, please, do what is right and help protect the citizens of Willowbrook, people like my beloved wife still grieving the loss of her daughter, and of my precious girls Clio (age 3) and Alexis (age 1) who deserve to grow up in a safe and clean neighborhood.

Sincerely,

Noah Lawrence

Personal Address / Ex. 6

Personal Email / Ex. 6

Personal Phone / Ex. 6

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/17/2018 2:01:44 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Public Health Crisis - Willowbrook, IL

From: Wehrum, Bill
Sent: Thursday, December 13, 2018 6:25 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Public Health Crisis - Willowbrook, IL

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Molly Nutting Personal Email / Ex. 6
Date: December 13, 2018 at 3:50:25 PM EST
To: "wheeler.andrew@epa.gov" <wheeler.andrew@epa.gov>, "wehrum.william@epa.gov" <wehrum.william@epa.gov>, "koerber.mike@epa.gov" <koerber.mike@epa.gov>
Subject: Public Health Crisis - Willowbrook, IL

Good Afternoon,

In my community there is an ongoing public health crisis due to a company called Sterigenics, who is emitting cancer-causing levels of ethylene oxide. This company has been in the area for years, and continues to pollute, despite recent EPA testing which shows continued toxic levels of EtO. Testing has confirmed fugitive Ethylene Oxide emissions with no evidence of Trans 2 Butene.

See Chicago Tribune article from earlier this week:
https://www.chicagotribune.com/news/local/breaking/ct-met-sterigenics-epa-new-air-testing-cancer-20181207-story.html

Please declare a Public Health Crisis and utilize the Emergency Powers, granted by the Clean Air Act to shutdown Sterigenics immediately. Although there is currently more testing happening, we cannot just sit back and wait for results to come in. Our children are breathing toxic air, day in and day out. This needs to stop.

Molly Nutting
Personal Phone / Ex. 6

HCSC Company Disclaimer

The information contained in this communication is confidential, private, proprietary, or otherwise privileged and is intended only for the use of the addressee. Unauthorized use, disclosure, distribution or copying is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately at (312) 653-6000 in Illinois; (800) 447-7828 in Montana; (800)835-8699 in New Mexico; (918)560-3500 in Oklahoma; or (972)766-6900 in Texas.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:27:08 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 10:26 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Janel Featherstone Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 10:22 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

Good Morning,

I am a Willowbrook resident who lives within a mile of Sterigenics. My two children attend the local schools and spend pretty much 24 hours a day within a mile of the facility. After the study was released in August, I felt assured that the EPA would react quickly and the facility would rapidly be shut down due to clear public health risk or at least shut down until safety of the local community could be verified.

You can imagine my distress when even after multiple air studies have clearly demonstrated elevated levels of ETO in the air in the schools and surrounding residential areas the EPA continues to want to study more. Would you want your children to be breathing a Class I carcinogen 24/7 days a week? Guess what? I don't want to live this way either.

DO YOUR JOB!!!!! SHUT IT DOWN!!!! Or maybe let's have all the EPA employees relocate their families to our neighborhood and schools while you decide just how much of a safety risk Sterigenics represents.

Tired of waiting for you to do your job

Janel Featherstone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:26:28 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: FW: Open Letter from Stop Sterigenics
Attachments: 12-19-18 Reaction to 1984 Document.pdf; 1984-07-06-letter-from-IEPA-1.pdf

---

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 9:50 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Open Letter from Stop Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Stop Sterigenics Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 8:38 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Alec.Messina@illinois.gov; attorney_general@atg.state.il.us; sao@dupageco.org
Subject: Open Letter from Stop Sterigenics

Last night the Stop Sterigenics group received a newly revealed document written by the IEPA in 1984 during the permitting process for the Willowbrook facility. Please our attached letter requesting the immediate shutdown of Sterigenics, Willowbrook.

--

--
stopsterigenics.com

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:26:05 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics Shut Down

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 10:13 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics Shut Down

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Molly Nutting Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 9:55 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; alec.messina@illinois.gov; sao@dupageco.org
Cc: attorney_general@atg.state.il.us
Subject: Sterigenics Shut Down

Good Morning,

Recent tests continue to show that our children and our community are at risk from EtO emitted from the Sterigenics plant. Current testing shows that air levels exceed safety standards by 64 times in our schools!
It's time to shut down this unsafe plant, until we can be sure that our air is safe to breathe.

The USEPA and IEPA have been conducting studies since 1984 and have known for nearly 35 years that the Sterigenics plant was unsafe and would emit levels above the safety threshold. It's time to do your jobs and take care of our community.

Molly Nutting

HCSC Company Disclaimer

The information contained in this communication is confidential, private, proprietary, or otherwise privileged and is intended only for the use of

the addressee. Unauthorized use, disclosure, distribution or copying is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately at (312) 653-6000 in Illinois; (800) 447-7828 in Montana; (800)835-8699 in New Mexico; (918)560-3500 in Oklahoma; or (972)766-6900 in Texas.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:03:21 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 9:50 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Andrius Paulius Personal Email / Ex. 6
Sent: Tuesday, December 18, 2018 9:41 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; iteam@abc.com; Wls.desk@abc.com
Subject: Re: Sterigenics - Private testing detected ETO I have pulled my children from school

Bill you said for us to trust sterigenics at the EPA webinar today? Are you kidding me? I pulled my children from school and now i guess i will have to move since i am not going to breathe this shit while you do testing.. I hope the media grabs hold of this story as this is going to become a national crisis and we now have you on record showing what a con man you are ..

DO YOU HAVE A CONSCIENCE? I am sure you would be fine sending your kids to breathe this shit like a lab rat without knowing the consequences..

On Tue, Dec 18, 2018 at 4:40 PM Andrius Paulius Personal Email / Ex. 6 wrote:

> New epa tests today more eto found at willow pond next door where my 2 year old goes to preschool!! And plays outside !! Issue the shutdown order now ... I will be calling you again tomorrow how many more tests do you need?
>
> Do you have a soul? Alec same question to you?
>
> On Monday, December 17, 2018, Andrius Paulius Personal Email / Ex. 6 wrote:
>
> > Hi Bill been trying to speak to you for week and a half now with no response.

I have pulled my children out of school until a temporary halt to sterigenics is applied and new testing shows no trace amounts of ETO.. My young kids are not lab rats , and i also have a 2 and 4 year old in preschool with a huge outdoor park which is block from sterigenics.. How is this ok with you to just continute never ending testing. Noone here is going to stop until this company is gone. It is not safe to process such chemicals in a population center especially wtih multiple schools around. Rest assured we will not stop until action is taken and our voices will be heard... I await your response. Let see if you have a soul and care about the 30k strong here fighting to protect our children instead of defending corporate interests like you said in the prior town hall. Actions speak louder than words my friend.

Thanks,
Andy

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:03:06 PM
To: Mike Koerber (Koerber.Mike@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Open Letter from Stop Sterigenics
Attachments: 12-19-18 Reaction to 1984 Document.pdf; 1984-07-06-letter-from-IEPA-1.pdf

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 9:50 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Open Letter from Stop Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Stop Sterigenics Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 8:38 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Alec.Messina@illinois.gov; attorney_general@atg.state.il.us; sao@dupageco.org
Subject: Open Letter from Stop Sterigenics

Last night the Stop Sterigenics group received a newly revealed document written by the IEPA in 1984 during the permitting process for the Willowbrook facility. Please our attached letter requesting the immediate shutdown of Sterigenics, Willowbrook.

--

--
stopsterigenics.com

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:02:26 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Tuesday, December 18, 2018 4:38 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Melissa Schneider Personal Email / Ex. 6
Sent: Tuesday, December 18, 2018 11:25 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

Dear Mr. Wehrum,

It is my understanding that you have the authority to help shut down the Sterigenics company in Willowbrook, IL. I live in DuPage County near this facility and I can tell you that it is completely unacceptable to the thousands of residents in our county, that they EPA has done nothing to shut this place down, despite all the EtO testing that has been done showing evidence that we are still being poisoned literally to death by this company. What is the hold up? When is the EPA going to do something about this? When are YOU going to do something about this?

-Melissa Schneider
Personal Phone / Ex. 6
Clarendon Hills, IL

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/19/2018 3:02:00 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

From: Wehrum, Bill
Sent: Tuesday, December 18, 2018 5:49 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Andrius Paulius Personal Email / Ex. 6
Sent: Tuesday, December 18, 2018 5:41 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Re: Sterigenics - Private testing detected ETO I have pulled my children from school

New epa tests today more eto found at willow pond next door where my 2 year old goes to preschool!! And plays outside !! Issue the shutdown order now ... I will be calling you again tomorrow how many more tests do you need?

Do you have a soul? Alec same question to you?

On Monday, December 17, 2018, Andrius Paulius Personal Email / Ex. 6 wrote:

> Hi Bill been trying to speak to you for week and a half now with no response.
>
> I have pulled my children out of school until a temporary halt to sterigenics is applied and new testing shows no trace amounts of ETO.. My young kids are not lab rats , and i also have a 2 and 4 year old in preschool with a huge outdoor park which is block from sterigenics.. How is this ok with you to just continute never ending testing. Noone here is going to stop until this company is gone. It is not safe to process such chemicals in a population center especially wtih multiple schools around. Rest assured we will not stop until action is taken and our voices will be heard... I await your response. Let see if you have a soul and care about the 30k strong here fighting to protect our children instead of defending corporate interests like you said in the prior town hall. Actions speak louder than words my friend.
>
> Thanks,
> Andy

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/18/2018 3:23:16 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

From: Wehrum, Bill
Sent: Tuesday, December 18, 2018 7:44 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics - Private testing detected ETO I have pulled my children from school

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Andrius Paulius Personal Email / Ex. 6
Sent: Monday, December 17, 2018 10:16 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics - Private testing detected ETO I have pulled my children from school

Hi Bill been trying to speak to you for week and a half now with no response.

I have pulled my children out of school until a temporary halt to sterigenics is applied and new testing shows no trace amounts of ETO.. My young kids are not lab rats , and i also have a 2 and 4 year old in preschool with a huge outdoor park which is block from sterigenics.. How is this ok with you to just continute never ending testing. Noone here is going to stop until this company is gone. It is not safe to process such chemicals in a population center especially wtih multiple schools around. Rest assured we will not stop until action is taken and our voices will be heard... I await your response. Let see if you have a soul and care about the 30k strong here fighting to protect our children instead of defending corporate interests like you said in the prior town hall. Actions speak louder than words my friend.

Thanks,
Andy

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/18/2018 3:20:50 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics, DuPage County

From: Wehrum, Bill
Sent: Monday, December 17, 2018 6:23 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics, DuPage County

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Patricia L Farris Personal Email / Ex. 6
Sent: Monday, December 17, 2018 2:28 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics, DuPage County

Dear Mr. William Wehrum,

My children and grandchildren live in Indian Head Park and are being affected by the air pollution (ethylene oxide) being emitted from Sterigenics in DuPage County. I am writing to IMPLORE you to take action to hold Sterigenics responsible, and to shut them down until they can prove their emissions are clean.

Thank you for your consideration,

Patricia L. Farris

Sent from my iPad

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 4:24:19 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: yet another town calling for closure of Sterigenics
Attachments: 2018-12-17 Village of Western Springs calls for Sterigenic shut-down.pdf

From: Jennifer McConahy Personal Email / Ex. 6
Sent: Thursday, December 20, 2018 10:36 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: yet another town calling for closure of Sterigenics

Hello-
Yesterday the village of Western Springs called for the closure of Strerigenics, please see attached letter. This brings the total of four towns, Dupage County, the Illinois Attorney Generals office, countless local officials, state officials and federal officials calling for immediate closure. When is enough is enough?!
This is immoral and criminal to keep this facility open.
We continue to await for responses from the EPA.
Jen McConahy

VILLAGE of WESTERN SPRINGS

740 HILLGROVE AVENUE | WESTERN SPRINGS, IL 60558-1478 | www.wsprings.com

PRESIDENT
Alice Gallagher

TRUSTEES
Sheila Hansen
Edward Tymick
Berry Allen
Heidi Rudolph
William Siffermann
James Tyrrell

CLERK
Bridget Fitzgerald

MANAGER
Ingrid Velkme

DIRECTORS
Tracy Alden
Grace Turi
Pat Schramm
Martin Scott
Matthew Supert
Patrick Kenny
Brian Budds
Ellen Baer

December 17, 2018

Lisa Madigan, Attorney General
Illinois Attorney General's Office
500 South Second Street
Springfield, IL 62701

Re: Sterigenics International Inc., Willowbrook, IL

Dear Ms. Madigan,

I am writing to express my increasing concern with the continued operation of the Sterigenics International facility in Willowbrook, particularly in light of recent EPA and independent air quality testing results. The Village of Western Springs stands with the Village of Willowbrook and a growing list of others that are requesting an immediate, temporary shut-down of the facility. This request follows the inconsistent and inconclusive data resulting from the most recent air tests, and is necessary until further testing and analysis can be done.

I respectfully request that the State of Illinois file a Section 43 action of the Illinois Environmental Protection Act, which would result in a temporary restraining order. This action is necessary for public health and welfare until it can be proven that the inside and outside air quality in our area is safe, and there is no risk to the public.

Your serious consideration and prompt action is appreciated. Please contact me if you have any questions or would like to discuss the issue further.

Sincerely,

Alice Gallagher

Alice Gallagher
President
Village of Western Springs

cc: Lisa A. Smith, Assistant State's Attorney
Mayor Frank Trilla, Willowbrook

POLICE Tel 708.246.8540 Fax 708.246.3609 | FIRE Tel 708.246.1182 Fax 708.246.4871

VILLAGE SERVICES Tel 708.246.1800 Fax 708.246.0284 | RECREATION Tel 708.246.9070 Fax 708.246.1309

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:37:25 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Colorless Odorless Killer

From: Wehrum, Bill
Sent: Thursday, December 20, 2018 8:05 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Colorless Odorless Killer

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Vita Paulionyte **Personal Email / Ex. 6**
Sent: Thursday, December 20, 2018 12:03 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Colorless Odorless Killer

Dear Mr. William Wehrum,

I am emailing to ask for your help to immediately close Sterigenics facility in Willowbrook, IL. I am a long time Willowbrook resident and now a member of Stop Sterigenics group on Facebook. Our group members recently discovered a document that ILEPA knew of EtO dangers back in 1984 but still issued permit for the facility. I cannot understand why they were allowed to operate in a residential area and so close to multiple schools. Even at this time when EtO has been reclassified as class 1 carcinogen, they are still operating 24/7 and poisoning 20 000 people in Willowbrook and many more people in surrounding suburbs of Burr Ridge, Darien, Hinsdale, Clarendon Hills, etc.

Ethylene Oxide is an odorless colorless carcinogenic gas but unlike wildfires, tornadoes, hurricanes or snow storms, it doesn't make to national news. It doesn't cause immediate illness like flu virus or salmonella, but it causes pancreatic, brain, and blood cancers. And the worst of all, there is nothing that we can do protect ourselves from it. There is nothing I can do protect my two children, because this chemical is in the air they breath, it's in our homes, schools, parks, it's everywhere. We don't see ethylene oxide but is harming us every moment of every day. My children have been exposed to it all their lives.

I am asking you not to be indifferent to this issue and to shut down Sterigenics immediately.

Sincerely,
Vicki Paul

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:37:05 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Thursday, December 20, 2018 8:05 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Ray Cesca Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 11:22 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

William,

The Sterigenics plant in Willowbrook needs to stop operation until it finds out why is is putting Ethelene Oxide in the air. We need your help in getting this done now. The residents are concerned that even a small amount of Eto over a long period of time has detrimental affects on humans.

How do we know this, by the members of the medical community who deal with this kind of issue came to the demonstrations and talk to the crowd about the scientific effects of Eto.

If a restaurant has a health violation, they shut the restaurant down until they find out what is wrong.

If a food factory is in violation of health standards, they shut it down until they find out what is wrong.

The same thing here. Let's find out why Sterigenics does not have a zero tolerance with it comes to Eto.

Thanks and looking forward to hearing from you.

Ray Cesca
Personal Email / Ex. 6

Sent from Mail for Windows 10

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:36:29 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: STOP STERIGENICS

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 10:10 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: STOP STERIGENICS

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: Darlene DC <Personal Email / Ex. 6
Date: December 19, 2018 at 9:32:13 PM EST
To: "wehrum.william@epa.gov" <wehrum.william@epa.gov>
Subject: STOP STERIGENICS

Dear Sir,

I am requesting STERIGENICS to be terminated from their Willowbrook offices. There are families and businesses surrounding this toxic business that are continually being poisoned day after day. I live within 2 miles and now I know the reason I can't keep my windows open in nice weather without having my asthma act up. Couldn't figure this out for years. Never did it dawn on me there was a hidden toxin being released into the air we breathe.
And to find out our government is aware of this and covered it up is so disappointing.
Just think about this as if was your neighborhood, please take necessary action today!

Thank you in advance
Darlene and Mike Diciolla

Sent from my iPad

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/5/2019 6:34:27 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Jan 31, 2019

From: Wehrum, Bill
Sent: Thursday, January 31, 2019 6:59 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Jan 31, 2019

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: "Dr. Katherine Howard" Personal Email / Ex. 6
Date: January 31, 2019 at 5:44:10 PM EST
To: "beckmann.ronna@epa.gov" <beckmann.ronna@epa.gov>, "cain.alexis@epa.gov" <cain.alexis@epa.gov>, "compher.michael@epa.gov" <compher.michael@epa.gov>, "Davis, Alison" <Davis.Alison@epa.gov>, "eto@epa.gov" <eto@epa.gov>, " hatfield.jim@epa.gov" <hatfield.jim@epa.gov>, " koerber.mike@epa.gov" <koerber.mike@epa.gov>, " mcghee-lenart.renee@epa.gov" <mcghee-lenart.renee@epa.gov>, "mckelvey.laura@epa.gov" <mckelvey.laura@epa.gov>, " nam.ed@epa.gov" <nam.ed@epa.gov>, " shappley.ned@epa.gov" <shappley.ned@epa.gov>, " siegel.kathryn@epa.gov" <siegel.kathryn@epa.gov>, " Terry.sara@epa.gov" <Terry.sara@epa.gov>, " wehrum.william@epa.gov" <wehrum.william@epa.gov>, " wheeler.andrew@epa.gov" <wheeler.andrew@epa.gov>, "wilson.holly@epa.gov" <wilson.holly@epa.gov>, " mdjohnson@cdc.gov" <mdjohnson@cdc.gov>, "bill.dart@illinois.gov" <bill.dart@illinois.gov>, "Brad.Frost@illinois.gov" <Brad.Frost@illinois.gov>, " john.j.kim@illinois.gov" <john.j.kim@illinois.gov>, " Brandon.Nolen@illinois.gov" <Brandon.Nolen@illinois.gov>, " mdunn@atg.state.il.us" <mdunn@atg.state.il.us>, " sao@dupageco.org" <sao@dupageco.org>, " ewallace@atg.state.il.us" <ewallace@atg.state.il.us>
Subject: Jan 31, 2019

Today is Day 164.

The polar vortex that plunged temperatures to dangerous levels is leaving but another danger remains to the residents in the surrounding area of Willowbrook, Illinois.

Ethylene Oxide (EtO) is being emitted from the Sterigenics facility 24/7/365.

EtO causes cancer. Why isn't that where the discussion ends?

EPA told us on November 29th that there is no safe amount of a carcinogenic chemical to be emitted into the air. The residents are at a higher risk for developing cancer from these emissions. Our community has a higher cancer rate than other areas. EPA members told our community that you were going to help us. Many EPA individuals looked me in the eye and assured me that you were on the side of the citizens and were going to help us.

EPA and private air testing has revealed EtO concentrations at high levels. These tests were after Sterigenics put in pollution-control devices. Additional tests were conducted which confirmed the high levels. More testing is being done but the EPA admits that the air monitors aren't sensitive enough to monitor the lowest acceptable levels of EtO. Nor will the EPA continue monitoring the air indefinitely.

I moved within a mile of Sterigenics in 2002. In 2009, I was diagnosed with stomach cancer which has been linked to EtO for years. For the rest of my life, I will need to spend 17 hours a day hooked up to a j-tube. I am only 55 years old. Meanwhile, Sterigenics is making a tidy profit as they have been blissfully doing for decades.

Every day that this company is allowed to continuing emitting is putting more residents at risk of developing cancer or having other known medical impacts such as miscarriage.

I am asking you to please do your job. I am asking you to please protect our community. Fight for us. Sterigenics and the chemical industry are fighting hard to dismiss us. Sterigenics keeps claiming that they are maintaining compliance. I have spent the past 164 days researching Sterigenics and the EtO industry…I don't think Sterigenics is using the word, compliance, correctly.

I have tried to be patient due to November elections. I was patient waiting until the newly elected officials took office. I've waited while the EPA was put on shutdown. It has been 164 days….we have the evidence…we have the historical documents demonstrating that Sterigenics is not a good neighbor and they have not operated for the good of the community. They knowingly emitted hundreds of thousands of pounds of EtO into our residential community while fighting with government regulators who tried to restrict the cancer-causing chemical emissions. Chemical industry lobbyists fought hard to delay new regulations and elected appointees heading the regulating agencies were often working hand-in-hand with the chemical industry.

There is no excuse to wait for additional testing or to wait for a court date with the Illinois Attorney General. There is no excuse for allowing Sterigenics to continue operating and emitting harmful chemicals in the neighboring communities. Sterigenics is not the only company…there are other companies doing the same thing throughout the state. Calling for an immediate shutdown of EtO emissions into residential areas won't reverse my cancer, but it could save someone else from having to suffer. This won't cause a crisis in sterilized medical equipment as there are alternative sterilization methods and other facilities.

You are an employee of the Environmental PROTECTION Agency. The EPA was established to protect the people. I am one of those people. Will you please help me? Will you join your voice with mine and demand that Sterigenics be forced to stop any and all hazardous emissions

in residential areas? Will you join me in asking that Sterigenics and other EtO emitters be restricted from emissions within 10 or more miles from schools, daycares, and homes? Will you please agree that 164 days is long enough to wait?

I need your help to fight this battle, I cannot fight it alone.

Katherine Howard

Sent from Mail for Windows 10

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:36:28 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics and Morals

-----Original Message-----
From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:58 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics and Morals

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

-----Original Message-----
From: Angela Rainaldi-Desmond Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 4:26 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics and Morals

December 18, 2018

Dear Mr. Wehrum,

I'm writing to implore to you shut down the Sterigenics facility in Willowbrook. For most of my life, I've lived within a mile of the Sterigenics facility. I grew up in Darien, attended Hinsdale South High School, and now reside in Darien. It is shameful that the EPA has known since 1984 that this plant has been emitting EtO at hazardous levels, putting tens of thousands of families and especially children at risk of getting cancer from long term exposure. The time for talk is over.

It is too late for adults like me who grew up being exposed to this toxin. Only time will tell if I develop health problems related to this plant. But it is not too late for thousands of children, like my own three, who continue to be exposed to this poison. I'm calling on you to demonstrate leadership and courage, and shutter this plant once and for all. Families are counting on you. Do what is right and just!

Best regards,

Angela Rainaldi-Desmon
Sent from my iPhone

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:36:26 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Since 1984

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:47 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Since 1984

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Julia Krumplis **Personal Email / Ex. 6**
Sent: Wednesday, December 19, 2018 3:38 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Since 1984

Dear Mr. Wehrum,

We now know that there is currently EtO in the air in our parks, schools and neighborhoods. We also now know that the dangers of EtO have been known since at lest 1984. I have included a link the the Stop Sterigenics press release and open letter below.

Why has the Sterigenics plant not yet been shot down? We know enough today right now to do the only moral thing, which is to shut the plant down immediately today. I dread to think of how much damage has been done since 1984 and I shudder to think of all those who will still get sick because of what has been as already happened. That we now both the incredible toxicity of this chemical and that it is being released into the air everyday, it is found in our air and yet nothing has been changed since August to make the people living around the plant one bit safer-- this is immorality which rattles my soul. That this in know and nothing has changed to protect the people in 4 month is utterly inexcusable and and unacceptable. We do not need more test, analysis, or discussions of any sort, we need action! We know enough to justify action in rational caring person's mind.

I'm calling on you to demonstrate leadership, morality, and courage, and shutter this plant once and for all. We are counting on you, the families of Willowbrook, Darien, Burr Ridge. You are the top air guy at the EPA. This our air. It is hurting people everyday! Please do your job and protect us from another molecule of this nightmare substance. This is an emergency.

When can we except action which will actually project and make us safer?

Sincerely,
Julia

Stop Sterigenics | Blog

Stop Sterigenics | Blog

It is our mission to secure the safety of our communities by eliminating the emission of ethylene oxide, a group...

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:36:25 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics, EtO, and the EPA's failure to protect citizens

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:45 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics, EtO, and the EPA's failure to protect citizens

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Paula Wallrich <Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 2:13 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics, EtO, and the EPA's failure to protect citizens

Mr. Wehrum--

I have been horrified since the terrible news broke in August 2018 that a facility less than two miles from my home may have been emitting toxins into the air I breathe for the last 34 years. And the safety nets of State and Federal legislators, EPA, and ILEPA deliberately kept this a secret from us for all those years. Now, after the discoveries have been revealed to us, you ask again and again for us to be patient, wait for yet another set of tests to be completed, and "develop a sense of trust" around the Sterigenics/EtO crisis in our community. I marvel at how obtuse you can be in prolonging this threat. I'm guessing YOU and YOUR CHILDREN have not been breathing this air, have you?

I am not asking for your sympathy or pity. I am DEMANDING that you do your job and close this facility down once and for all. EtO should not be so proximate so schools, homes, churches, day care facilities, and parks. There is NO AMOUNT of emission that is safe for human exposure. I was at the forum in Willowbrook when you lectured all of us on this crisis, acting as though we all have unlimited time and patience for you to try to put us to sleep with your soliloquy. The residents of this area are finished with being patient and polite. Shut the facility down and give us clean air. DO YOUR JOB.

If you continue to support industry and fail to protect residents, you can bet those of us who appeal to you for help and get none will not forget. Neither will your Creator.

Paula Wallrich
Personal Address / Ex. 6

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:36:24 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics / eto in my school and place of work

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:43 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics / eto in my school and place of work

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Bib Jones Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 1:23 PM
To: Alec.messina@illinois.gov; Wehrum, Bill <Wehrum.Bill@epa.gov>; Sao@dupageco.org; attorney_general@atg.state.il.us
Subject: Sterigenics / eto in my school and place of work

I have recently been diagnosed with pancreatic cancer with no family history and learned of the eto emissions blocks from my home confirmed by recent tests.. my son also attends the high school blocks away. I have found counsel and filed vs the firm . Now I am at the point to file suit vs state of illinois and epa. I am exploring all options now. I called many times and was given over to voicemail with no answer yet. I was told to reach out one last time so am doing so now? I demand an immediate shutdown now before it's too late for others and their families. We have been testing for three months and during that time my condition has just worsened. I don't have the means to move or would have. I hope someone here will do the right thing now.

-Benson

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:31:50 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Sterigenics - Willowbrook, IL

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:42 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics - Willowbrook, IL

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Jim Doppke Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 1:15 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics - Willowbrook, IL

Dear Mr. Wehrum,

I am a resident of Burr Ridge, IL. I have been following the recent events and investigations concerning the operations and ethylene oxide emissions of Sterigenics in Willowbrook, Illinois. Today, I was alarmed to learn that the Illinois EPA was aware of heightened levels of EtO emissions from the predecessor to Sterigenics beginning in at least 1984.

I realize that this information does not necessarily reflect the specific information that was available to the US EPA at the time. Nevertheless, it substantially strengthens the existing concern that the company has been allowed, by any and all regulatory agencies, to emit dangerous levels of EtO and thereby endanger the health of residents of Willowbrook and surrounding communities. The health risks posed by the emission of EtO at unsafe levels are absolutely unacceptable and those emissions must be curtailed immediately.

I urge you and the US EPA to take all appropriate action as swiftly as possible to require Sterigenics to cease its EtO emissions, to cease its use of EtO entirely, and to abide by all other appropriate safety measures to ensure that our community is no longer at risk.

Thanking you for your attention to this matter,

Jim Doppke
Personal Email / Ex. 6

Personal Email / Ex. 6

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:31:16 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Close Sterigenics in Willowbrook, Illinois

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 5:42 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Close Sterigenics in Willowbrook, Illinois

_____

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Robert Clinite **Personal Email / Ex. 6**
Sent: Wednesday, December 19, 2018 1:03 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Close Sterigenics in Willowbrook, Illinois

December 18, 2018

Dear Mr. Wehrum,

I'm writing to implore to you shut down the Sterigenics facility in Willowbrook, Illinois, which has been emitting toxic EtO for over 34 years. For most of my life, I've lived within a mile this facility. I grew up in Darien, attended Hinsdale South High School, and now reside in Indian Head Park. It is shameful that the EPA has known since 1984 that this plant has been emitting EtO at hazardous levels, putting tens of thousands of families and especially children at risk of getting cancer from long term exposure. The time for talk is over.

It is too late for adults like me who grew up being exposed to this toxin. Only time will tell if I develop health problems related to this plant. But it is not too late for thousands of children, like my own, who continue to be exposed to this poison. I'm calling on you to demonstrate leadership and courage, and shutter this plant once for all. Families are counting on you.

Best regards,

Robert Clinite

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:29:08 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Wednesday, December 19, 2018 12:17 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Andrea Thome, Author Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 12:15 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

Mr Wehrum,

Attached, please find a letter pertaining to recent information that has come to light about Sterigenics in Willowbrook, IL. I think you'll agree that the immediate and permanent shutdown of this company is long overdue. Will you be the person to do the right thing, since you have the power to shut them down?

Our group of concerned and scared citizens is not going away. We are growing, and in January, we are taking our concerns to the national stage. It would certainly be better for everyone involved if we could have a resolution before it gets that far. This is another stain on the reputation of our state and U.S. government.

Please address this Immediate Public Health Crisis in short order. It's the right thing to do, as I am also sure you are aware.

Sincerely,

Andrea and Jim Thome
Burr Ridge, IL

stopsterigenics.com
fb.com/groups/stopsterigenics/
twitter.com/stopsterigenics
stopsterigenics@gmail.com

December 19, 2018

William Rabinowitz - Assistant Administrator of the Air and Radiation Department, USEPA
Alec Messina - Director, Illinois EPA
Robert Berlin - DuPage County State's Attorney
Lisa Madigan - Illinois Attorney General

Dear Mr. Rabinowitz, Mr. Messina, Mr. Berlin and Ms. Madigan,
In 1984 Griffith Laboratories, the original name of the Sterigenics plant, applied for a permit to the Illinois EPA. In a response to their application, the IEPA expressed serious concerns about Ethylene Oxide emissions:

1) The IEPA predicted ambient air levels of Ethylene Oxide as high as 5.130 micrograms/cubic meter and as low as .00003 micrograms/cubic meter as far as one mile away from the plant.

2) The IEPA referenced a draft of a "USEPA Health Assessment Document" which provided evidence of human cancers of the pancreas, bladder, central nervous system and stomach associated with EtO exposure. The studies showed carcinogenic, mutagenic, teratogenic and tetratogenic effects.

3) The USEPA studies indicate that the highest acceptable ground level concentration of EtO is .001 micrograms/cubic meter.

4) While the IEPA indicated that their current rules had not yet been updated to reflect what they now knew about ethylene oxide, they were uncomfortable with issuing the permit. Regardless, we know that the permit was subsequently granted to build the sterilization facility in Willowbrook.

In 2018, ambient air testing by the USEPA and independent air testing by the Village of Willowbrook indicated levels much higher than those originally modeled.

1) USEPA testing revealed EtO levels as high as 6.23 micrograms/cubic meter across the street from Sterigenics and .286 micrograms/cubic meter at Willow Road Park, .85 miles away.

2) Village of Willowbrook indoor air testing showed EtO levels of .20 micrograms/cubic meter in Gower West Elementary School, .45 micrograms/cubic meter in Hinsdale South High School and .49 micrograms/cubic meter at Gower Middle School

3) Our children are breathing in as much as 64 times the USEPA's recommended ground level concentration.

The USEPA and IEPA claim that they cannot shut down Sterigenics because they need to conduct more studies. The USEPA and IEPA have been conducting studies since 1984 and has known for nearly 35 years that the Sterigenics plant was unsafe and would emit levels exceeding their safety threshold. We know from current testing that current air levels exceed safety standards by 64 times in our schools and 867 times in our Village Hall. How many more years of testing does the USEPA need to be convinced of the danger that our community is facing in? How many more more people need to become ill? Perhaps the Office of the Inspector General will be able to tell us why the USEPA has been unwilling to act.
Bill Rabinowitz, USEPA has the authority to order an immediate shutdown through powers granted by the Clean Air Act.
Alec Messina, IEPA has the authority to seal the facility under section 34B of the Illinois Environmental Protection Act.
Robert Berlin, DuPage County States Attorney and Lisa Madigan, Illinois Attorney General have the authority to file an injunction in the courts to shutdown Sterigenics via section 43 of the Illinois Environmental Protection Act.

Who will do their job and protect the community?

The Stop Sterigenics Community

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/20/2018 1:28:35 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics
Attachments: 12-19 Press Release.pdf; 12-19-18 Reaction to 1984 Document.pdf; 1984-07-06-letter-from-IEPA-1.pdf; second_data_set_foot USEPA.pdf

From: Jennifer McConahy Personal Email / Ex. 6
Sent: Wednesday, December 19, 2018 11:12 AM
To: William.Wehrum@epa.gov
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Sterigenics

Mr. Wehrum,

How much longer must we endure exposure to EtO? Clearly the government knew there was a problem 34 years ago, see attachment. You are doing NOTHING to protect our children. The clock started ticking for them when they were in utero and continues now as the levels are high in their schools. The webinar yesterday was not helpful in any way and was just another display of the EPA dodging questions and giving us the dame information over and over again. We would appreciate answers to all the questions we submitted back in November and also yesterday. We would appreciate a response from you in regards to this press release and information.

Jennifer McConahy

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/26/2018 3:40:51 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Day 125

From: Wehrum, Bill
Sent: Monday, December 24, 2018 7:37 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Day 125

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Begin forwarded message:

From: "Dr. Katherine Howard" Personal Email / Ex. 6
Date: December 24, 2018 at 5:58:02 PM CST
To: Undisclosed recipients:;
Subject: Day 125

Today is Day 125.

As people gather with family and friends...EtO is still spewing out into our air. The companies in Willowbrook and Lake County have not stopped or taken a holiday break. Their chambers are still cycling, and the trucks are still coming and going. As I hook-up my j-tube, it is impossible for me to forget.

Take a break for the holiday if you feel you should, but don't forget that this battle has not yet been won. Our children need us to keep raising our voices. Those who have been harmed cannot be forgotten. We need to become louder. We need to be ready to hit the ground running on December 26th.

We need to be planning ahead to reach out to each other and to all newly elected officials who will soon be coming to office.

I am asking every single individual who gets my emails to please take a moment and read back through all the emails and think back on all the news reports and letters and testimonies you have read. Our community has been fighting for 125 days and sometimes we feel quite alone. We

can't stop...but we need your help. None of our voices are any less relevant today then the day when you first heard them. Those individuals who were suffering are still suffering. Those lost will never return. We are your neighbors. It takes a village to raise a child and it is going to take our village, surrounding communities, our county, our state and our federal government to stop harboring companies that are causing us harm. No one has a right to emit cancer-causing chemicals into the air that we breathe. No one.

This must remain in the conversation on newsprint and media. Do not let this become a back-burner issue. My j-tube will still be hooked up 17-hours tomorrow and the day after and for all the days for the rest of my life. I need your help…we need your help.

On the eve of a holiday, I am asking you to look around, enjoy your family and friends, but please join your voice with mine on Wednesday and demand "No More EtO". Your support would be a very awesome present to give and receive.

No more EtO.

Katherine Howard

Sent from Mail for Windows 10

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:34:16 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: update
Attachments: 2018 November air test results.png

Importance: High

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 12:38 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: update
Importance: High

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Dr. Katherine Howard **Personal Email / Ex. 6**
Sent: Tuesday, December 11, 2018 12:05 PM
To: Mckelvey, Laura <Mckelvey.Laura@epa.gov>; Terry, Sara <Terry.Sara@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Wheeler, Andrew <wheeler.andrew@epa.gov>
Subject: update
Importance: High

Last Friday (December 7th), as many Fridays have been prone to end, the EPA released some of the air monitoring results.

As we all knew – the crap about blaming the previous air levels on trans-2-butane was just that – crap. Therefore, we can now assume those previous air monitoring results were accurate.

What do these numbers tell us. Ignore the propaganda spewed by Sterigenics and fed to the media. Look at the numbers. Numbers do not lie.

The amount of EtO in the air around Sterigenics remains far, far above the any safe level. Especially when you accept that the only truly acceptable level of a carcinogenic chemical when it pertains to our children is 0. We also know that the detection devices are limited in their ability to detect low levels so the No Detection readings

from some of the devices could be simply the device has reached its limit rather than a true reading of no EtO levels.

Despite being given advance notice, despite putting in emission reducing controls which they have been claiming to have had in place since 1985 (yes, I have documents to show where they indicate these were added), despite all the lies and propaganda touted by Sterigenics and believed by the industry lobbyist IEPA Director Alec Messina, our community is still be exposed to high levels of EtO.

Local officials make comments such as "… the Village [of Willowbrook] lacks the legal authority to summarily cause the facility to close." And "If we truly had that authority, they would have been shut down in August after we were first notified of this matter." Don't you love how they are so helpless. When your community is in crisis, will you wave your white flag and claim impotence and look to someone else to protect your residents? At the November 29th forum, Willowbrook Mayor seemed defeated when he meekly asked three questions. Hundreds of angry citizens protesting, and he walks away. We all remember the former Burr Ridge mayor's temper tantrum as he stomped out of office because he couldn't handle the facts.
Furthermore, my emails seem to cause confusion "I sincerely don't understand your messages to us."

Let me be clear, I am a citizen of Willowbrook. I did not know about EtO emissions in 2002 when I moved here. In 2009, I was diagnosed with gastric cancer. EtO has been linked to gastric and other cancers. The area around Sterigenics has a higher than normal cancer rate. It doesn't take a rocket scientist to make the connection. I write these emails to keep reminding other elected officials that we are still being poisoned and that these harmful chemicals are still being emitted 24/7/365 into our air and, as the wind blows, to communities farther away such as Willow Springs, Burr Ridge, Darien, Clarendon Hills, Indian Head Park, LaGrange, LaGrange Park, Westmont, Downer's Grove, Lemont, Oakbrook, Oakbrook Terrace….etc.

I write to get local officials to wake up, get informed, step up and say something. Your residents are visiting our schools during sporting events and working at area businesses. Your residents are in the impact zone.

This is not just a Willowbrook problem. It is a human problem. It is occurring in other communities in the state and around the nation. The EtO Industry is trying hard to dismiss/discredit/distract but it will not work. Some of us cannot dismiss our cancer. We cannot dismiss the loss of body parts, employment, pregnancies, loved ones. We won't be distracted because our children are in danger and this is very real. We know the names of those who have already died. We know the names of those fighting for their lives. We know the names of those who will never be the same again due to cancer or other health impacts.

If you do not understand, get informed.
When you get informed, get involved.

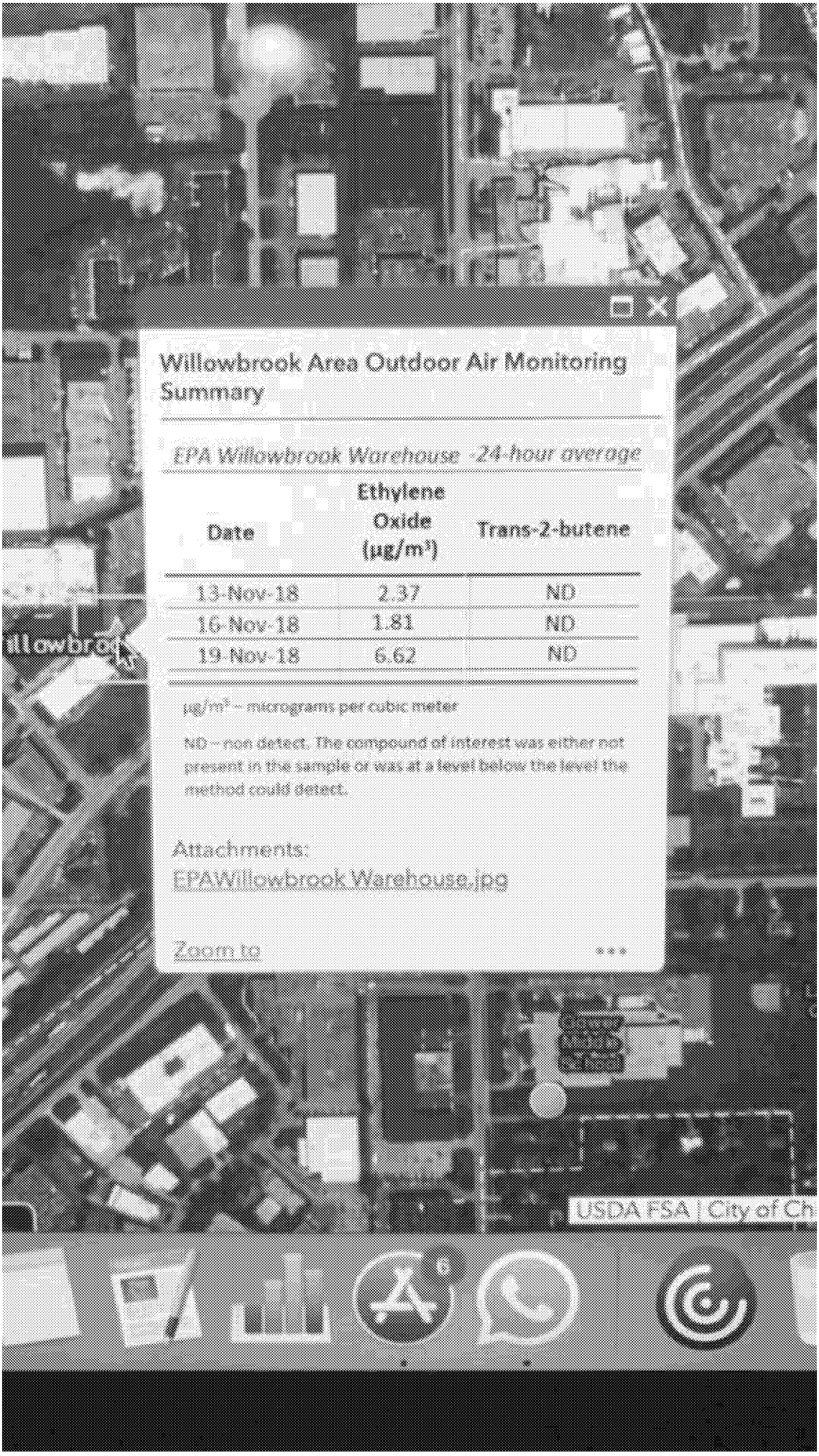
This email goes out in small groups but it goes out to more than 60 elected officials statewide who are in a position where they, like you, have a responsibility to those of us who are being poisoned by EtO. Do your job.

Today is day 112 since our community found out. We are asking for Sterigenics in Willowbrook to be shut down IMMEDIATELY as well as other EtO emitting companies. This will not cause a crisis in medical supply delivery. These companies should not be operating in or near residential areas. EtO is so dangerous that it truly should be banned entirely. But, for now, SHUT THIS COMPANY DOWN TODAY.

You are on duty….what happens rests on your shoulders. Do you sit back and watch? Do you claim that it is not your problem? Do you pretend you can't comprehend my simple words? Do you remain helpless? Do you delete my emails and pretend you never saw them? Or…do you fight with your residents? Do you stand up, speak up, and demand action? Will your community join with other communities and take court action? Do you alert your residents of the dangers? Where will you stand in this fight? Whose side are you on?

Katherine Howard

Sent from Mail for Windows 10



Willowbrook Area Outdoor Air Monitoring Summary

EPA Willowbrook Warehouse -24-hour average

Date	Ethylene Oxide ($\mu g/m^3$)	Trans-2-butene
13-Nov-18	2.37	ND
16-Nov-18	1.81	ND
19-Nov-18	6.62	ND

$\mu g/m^3$ – micrograms per cubic meter

ND – non detect. The compound of interest was either not present in the sample or was at a level below the level the method could detect.

Attachments:

EPAWillowbrook Warehouse.jpg

Zoom to

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:30:57 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Toxic Air Crisis - Sterigenics

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:54 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Toxic Air Crisis - Sterigenics

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Molly Nutting Personal Email / Ex. 6
Sent: Tuesday, December 11, 2018 10:42 AM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Toxic Air Crisis - Sterigenics

Good Morning,

In my community there is an ongoing public health crisis due to a company called Sterigenics, who is emitting cancer-causing levels of ethylene oxide. This company has been in the area for years, and continues to pollute, despite recent EPA testing which shows continued toxic levels of EtO. Testing has confirmed fugitive Ethylene Oxide emissions with no evidence of Trans 2 Butene.

See Chicago Tribune article from earlier this week:
https://www.chicagotribune.com/news/local/breaking/ct-met-sterigenics-epa-new-air-testing-cancer-20181207-story.html

Please declare a Public Health Crisis and utilize the Emergency Powers, granted by the Clean Air Act to shutdown Sterigenics immediately. We simply cannot wait any longer for our children to breathe clean air.

Molly Nutting
Personal Phone / Ex. 6

HCSC Company Disclaimer

The information contained in this communication is confidential, private, proprietary, or otherwise privileged and is intended only for the use of the addressee. Unauthorized use, disclosure, distribution or copying is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately at (312) 653-6000 in Illinois; (800) 447-7828 in Montana; (800)835-8699 in New Mexico; (918)560-3500 in Oklahoma; or (972)766-6900 in Texas.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:30:40 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Your Help is Urgently Needed

-----Original Message-----
From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:54 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Your Help is Urgently Needed

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

-----Original Message-----
From: Julia Krumplis < Personal Email / Ex. 6
Sent: Tuesday, December 11, 2018 9:36 AM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Your Help is Urgently Needed

Dear Mr. Wheeler & Mr. Wehrum,

I attended the November EPA forum in Willowbrook and I listened to Mr. Wehrum speak passionately about how he really really cares about people of Willowbrook and surrounding communities. He explained however that actions need to be based on facts and science. With the results from recent air tests we now know far more than enough and have more than enough facts to act immediately. The results are in - Sterigenics continues to emit unacceptable carcinogens into our densely populated community in and around Willowbrook, IL. If you care about us at all, you will declare the Sterigenics facility an immediate health hazard and close the facility NOW. Right now!

You do not need more data to determine that this facility does not belong in a densely populated residential area. No families should be breathing toxic air, no parent should have to answer questions like 'mama is that company still putting poison into the air?' or 'do we need to move?' or the most heartbreaking 'will we get cancer because of the poison that company is putting into the air?' By allowing Sterigenics to continue to operate you are creating a world where question like these from young children are part of our daily lives and their questions and fears are horrifically valid! You can put a stop to this today! Please declare EtO emissions in Willowbrook the immediate health crisis it is and close the plant immediately.

The EPA's core mission is to protect human health and the environment. Please do your job. Please protect me, my family and my community! Please stop the horror that is every breath we inhale.

I appreciate your time and consideration.

Sincerely,

Julia

Julia Krumplis

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:30:18 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:54 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: walter miss Personal Email / Ex. 6
Sent: Monday, December 10, 2018 4:53 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

Dear Mr. Wehrum,

I live a half mile from the Sterigenics facility in Willowbrook IL. I was diagnosed with breast cancer three years ago at age 52. I implore you to declare a Public Health Crisis and to utilize your Emergency Powers, granted by the Clean Air Act to shutdown Sterigenics immediately. Testing has confirmed fugitive Ethylene Oxide emissions with no evidence of Trans 2 Butene. The risk of cancer is real!

I would appreciate a personal response.

Kathleen Mis
Personal Address / Ex. 6

•

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:30:01 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics

-----Original Message-----
From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:54 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

-----Original Message-----
From: Amanda Puchalski Personal Email / Ex. 6
Sent: Monday, December 10, 2018 12:03 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics

You must declare a Public Health Crisis and utilize your Emergency Powers in Section 34B of the Clean Air Act to shutdown Sterigenics immediately. Testing has confirmed fugitive Ethylene Oxide emissions with no evidence of Trans 2 Butene. I am a real person with a real family in danger and I'm not a "Lab Rat."

Respectfully,
Mandy Puchalski

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:29:42 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Public Health Crisis

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:53 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Public Health Crisis

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Tara Marolt Personal Email / Ex. 6
Sent: Sunday, December 9, 2018 4:49 PM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Public Health Crisis

Gentlemen,

Please declare a Public Health Crisis and utilize your Emergency Powers, granted by the Clean Air Act to shut down Sterigenics immediately. Testing has confirmed fugitive Ethylene Oxide emissions with no evidence of Trans 2 Butene. According to our Village Mayor, "A new federal study shows people living near the Sterigenics International plant at 7775 S. Quincy St. in Willowbrook face some of the country's highest cancer risks from toxic air pollution. The Chicago Tribune reports that federal officials began investigating the company last year after surrounding communities (including Indian Head Park) were identified on a national map of health hazards from breathing toxic chemicals."

My home in the Village of Indian Head Park is less than four (4) miles away and downwind of this facility. I am a real person with a real family in danger and we are not "Lab Rats".

Sincerely,
Tara Marolt
Indian Head Park, IL

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:29:29 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Every. Breath. In Willowbrook and Jennifer Hudson.
Attachments: IMG_20181208_204401_939.jpg

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:53 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Every. Breath. In Willowbrook and Jennifer Hudson.

_____

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Angie Sartori Personal Email / Ex. 6
Sent: Sunday, December 9, 2018 12:17 AM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Every. Breath. In Willowbrook and Jennifer Hudson.

Dear Gentlemen,

I hope you are having a wonderful weekend enjoying the clean, crisp Winter air. Here in Willowbrook, IL and surrounding communities, we are not as fortunate as you are.

In Willowbrook, we are breathing in Sterigenics's ETO day in and day out, Winter, Spring, Summer, Fall, repeat.

The new air testing results came back and they are now high enough for an emergency reroute of school buses away from the Sterigenics plant. Gee, do you think it would time to declare a PUBLIC HEALTH EMERGENCY in Willowbrook? YES. We are humans like you are. We are not lab rats in a test tube or a test town.

Interestingly enough, I ran into Jennifer Hudson today at the Willowbrook Target - you know, the judge from The Voice, singer, Oscar winning actress. Yes. She lives in Burr Ridge, right next to Willowbrook. We struck up a great conversation at the checkout line and Sterigenics came up. She didn't realize that the test results came back so high. I gave her the update. She has millions of followers on FB, Instagram, Twitter, etc. I'm sure word that Sterigenics is, as proven by air tests, poisoning 20,000 or so humans could spread rather quickly. She wasn't too happy to know that, as we were

standing there, we were being poisons by ETO at the Target right next to her home. Not good for those vocal chords either. (see pic below.)

Time to remove Sterigencis from our town so we can breathe clean, crisp Winter air like you are right now.

And, pease do it quickly so we can enjoy a HEALTHY, prosperous holiday and New Year like you will this December, 2018.

Sincerely, Angela Sartori

Concerned resident

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:29:09 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics Willowbrook

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:53 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics Willowbrook

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Sherry Stednitz Personal Email / Ex. 6
Sent: Saturday, December 8, 2018 9:22 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics Willowbrook

Good morning Mr. Wehrum,

Due to the recently confirmed, significantly high ambient air test results of the Sterigenics Willowbrook facility, we are respectfully demanding that you invoke the Emergency Power clause of the Clean Air Act to shut down Sterigenics immediately. The EPA indicated that testing results confirmed levels of ethylene oxide exposure is significantly higher than the known risk thresholds which pose a risk to public health.

The test results are indicative of a public health crisis, our residence is within 3/4 of a mile from Sterigenics, and it would be negligent for the closing of Sterigenics to be delayed any longer.

Mark and Sherry Stednitz
Personal Address / Ex. 6

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:28:50 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics in Willowbrook

-----Original Message-----
From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:53 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics in Willowbrook

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

-----Original Message-----
From: Sarah Turek Personal Email / Ex. 6
Sent: Friday, December 7, 2018 10:37 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics in Willowbrook

Dear Mr. Wehrum,

In light of the air testing results that were released on Friday, December 7 with regards to the Sterigenics facility in Willowbrook, Illinois, I urge you to act on the emergency powers clause of the clean air act and shut Sterigenics down immediately.

Any level of ethylene oxide in the atmosphere is unacceptable and dangerous, and this absolutely should not be allowed to continue.

Sincerely,
Sarah Turek
Willowbrook resident

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:28:32 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Please enact Emergency Powers clause of clean air act

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:53 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Please enact Emergency Powers clause of clean air act

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Annette Ciolek Personal Email / Ex. 6
Sent: Friday, December 7, 2018 8:13 PM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; koerber.michael@epa.gov
Subject: Please enact Emergency Powers clause of clean air act

I am a very concerned resident of Willowbrook, IL. The results are in for the ambient air testing for ethylene oxide in the areas surrounding Sterigenics facilities in Willowbrook. These tests show that the levels of EtO greatly exceed OSHA permissible limits. I understand OSHA limits are set higher than those for the general public because employees are provided with protective gear. We as residents have been afforded no such protection. From what I've been told, the EPA plans on doing other testing over the next 3 months. This is completely unacceptable to our community. We are NOT lab rats. People are sick and dying. People who are not sick or dying are at much greater risk of being sick in the future than the general population. It is unconscionable that we should have to endure even one more day of ethylene oxide exposure. We have already unknowingly been poisoned for the last 34 years. Ethylene oxide is carcinogenic at ANY level.

The residents of Willowbrook demand that the EPA enact the Emergency Powers clause of the clean air act and enforce the complete cessation of ethylene oxide in our community. This needs to happen as soon as humanly possible. Let me ask you, how quickly would you act if your own family lived in Willowbrook? We need your help and we need it NOW.

Thank you for your prompt attention to his urgent matter.

Annette Ciolek
Willowbrook, IL resident

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:28:15 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Today's Sterigenics EO results

From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:52 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Today's Sterigenics EO results

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Cathy Bogigian Personal Email / Ex. 6
Sent: Friday, December 7, 2018 8:09 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Today's Sterigenics EO results

Dear Mr. Wehrum:

This is the perfect time for you to do the right thing and protect the citizens of Willowbrook and the Chicago Western Suburbs from Ethylene Oxide emissions. Your organization is called the environmental PROTECTION agency. You have the new test results on EO at Sterigenics showing that there are unacceptable levels of EO emissions in Willowbrook. I listened to your explanations at the recent public meeting and it sounds like the EPA in not up to speed on this chemical and the hazards associated with it. This community can't wait until the EPA does what it should have done years ago in terms of updating emission standards based on the the reclassification of EO as a Class 1 Carcinogen. This facility needs to be shut down now. IT NEVER SHOULD HAVE BEEN LOCATED BY SCHOOLS and PARKS. I am asking you to act on the Emergency Powers Clause of the Clean Air Act.

Sincerely,

Cathy Bogigian

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 12/11/2018 8:27:56 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Please close Sterigenics now!

Importance: High

-----Original Message-----
From: Wehrum, Bill
Sent: Tuesday, December 11, 2018 10:52 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Please close Sterigenics now!
Importance: High

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

-----Original Message-----
From: drew sikula Personal Email / Ex. 6
Sent: Friday, December 7, 2018 7:49 PM
To: Wheeler, Andrew <wheeler.andrew@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Please close Sterigenics now!
Importance: High

Gentlemen,

The results are in - Sterigenics continues to emit unacceptable carcinogens into our densely populated community in and around Willowbrook, IL at an alarming rate. If you have any respect for your ethical responsibility to the citizens that you serve, you will declare the Sterigenics facility an immediate health hazard and close the facility NOW. At this point, you are complicit in the negligent treatment of our community and must recognize the need to act urgently. You are using us (and our babies) as guinea pigs and it is not acceptable. Please consider how you would react if your loved ones and your neighborhood was impacted by this situation. Would you accept this pace of progress?

I am a lifelong republican who is being converted to the dark side solely because of your failure to take appropriate action in this case. Thousands of my neighbors are in the same boat. You do not need more data to determine this facility does not belong in a densely populated residential area.

The EPA's core mission is to protect human health and the environment. PLEASE DO YOUR JOB.

I appreciate your time and consideration.

Sincerely,

Andrew Casey Sikula

Personal Address / Ex. 6

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 3/1/2019 5:06:45 PM
To: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

For awareness…

From: Jennifer McConahy **Personal Email / Ex. 6**
Sent: Thursday, February 28, 2019 6:42 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Re: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

Josh-
Thank you for your response. You know I (and many, many other folks) have huge concerns about Bill's motives and ties to industry. I continue to find it troubling that he spends so much time talking with the EtO polluter. That being said, our community action group continues to make great strides and Sterigenics will remain closed until at least 4/9. With no help from the EPA, we are hopefully going to pass legislation to ban EtO emissions in Illinois, gain Homerule authority in Willowbrook to ensure they cannot operate in the future. Then, we plan on continuing the national momentum we have top force regulation on the national level! Our friends in Lake County are gaining momentum as well as they deal with EtO pollution.

Thanks-
Jen

On Wed, Feb 27, 2019 at 10:47 AM Lewis, Josh <Lewis.Josh@epa.gov> wrote:

> Hi Jen,
>
> On February 5th, at the request of EPA's congressional office, Bill participated on a call with staff from the Illinois congressional delegation. This was the same day as the EPA webinar that was open to the general public, on which EPA discussed a new set of air quality monitoring results we were releasing.
>
> More generally, Bill has accepted EtO call and meeting requests from a range of stakeholders, including calls with Sterigenics, webinars with the general public, the in person meeting in Willowbrook, and the one-on-one call he had with you in December.
>
> Josh

From: Jennifer McConahy Personal Email / Ex. 6
Sent: Monday, February 25, 2019 9:23 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

Hello-

I would like to know why Mr. Wehrum is having so many phone calls with Sterigenics. And what the EtO meeting on the hill was? As someone who is suffering from EtO pollution we sure don't have this amount of interaction from Mr. Wehrum. Curious.

Jen

Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

https://www.epa.gov/senior-leaders-calendars/calendar-bill-wehrum-assistant-administrator-office-air-and-radiation

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/17/2018 6:17:35 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Ringel, Aaron [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1654bdc951284a6d899a418a89fb0abf-Ringel, Aar]; Davis, Matthew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=84111ec08c504b6baae0510b2d2ce46a-Davis, Matthew]

Subject: Call with Rep. Foster re: Willowbrook, IL Sterigenics facility and ethylene oxide
Location: WJC - N 5400 + Personal Phone / Ex. 6

Start: 9/18/2018 2:00:00 PM
End: 9/18/2018 2:30:00 PM
Show Time As: Tentative

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/27/2018 3:18:51 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: RE: draft letter EtO Willowbrook

This still has a hole or 2 that need to be filled in. I'm going to clean it up now. Stop over when you have a minute.

From: Woods, Clint
Sent: Thursday, September 27, 2018 11:11 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: draft letter EtO Willowbrook

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Davis, Alison
Sent: Thursday, September 27, 2018 11:10 AM
To: Woods, Clint <woods.clint@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: RE: draft letter EtO Willowbrook

Minor comments back from OAQPS. Mike and Kelly have reviewed.

From: Woods, Clint
Sent: Thursday, September 27, 2018 10:28 AM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: RE: draft letter EtO Willowbrook

All,

Deliberative Process / Ex. 5

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Woods, Clint
Sent: Wednesday, September 26, 2018 5:47 PM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: Re: draft letter EtO Willowbrook

Thanks so much! Still negotiating with OCIR on next steps

On Sep 26, 2018, at 5:32 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

> Here you go. Let us know if you have questions

> **From:** Woods, Clint
> **Sent:** Wednesday, September 26, 2018 5:27 PM
> **To:** Davis, Alison <Davis.Alison@epa.gov>
> **Cc:** DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>
> **Subject:** Re: draft letter EtO Willowbrook
>
> Any additional feedback on this front? Thanks!
>
> On Sep 26, 2018, at 2:11 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:
>
> > Got it. We'll look. Will circle with Mike as soon as he is out of meeting.
>
> > **From:** DeLuca, Isabel
> > **Sent:** Wednesday, September 26, 2018 2:06 PM
> > **To:** Woods, Clint <woods.Clint@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>
> > **Subject:** draft letter EtO Willowbrook
> > **Importance:** High
> >
> > Hi Clint and team,
> > OCIR has asked us to develop a draft narrative response to recent Congressional inquiries about EtO levels in Willowbrook, and requests for ambient air monitoring. The hope is that we could send ASAP, post online, and issue a press release to point to the letter.

Deliberative Process / Ex. 5

Personal Matters / Ex. 6

Thanks,
Isabel

Isabel DeLuca
Office of Air and Radiation, US EPA
(202) 343-9247

<EtO Willowbrook response Draft 4..docx>

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/27/2018 3:12:40 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: RE: Draft response to letters

Got it.

From: Woods, Clint
Sent: Thursday, September 27, 2018 11:08 AM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Draft response to letters

Lipinski too

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Lyons, Troy
Sent: Thursday, September 27, 2018 11:05 AM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Woods, Clint <woods.clint@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>
Subject: RE: Draft response to letters

We need to send three letters addressed to:

1. Senator Tammy Duckworth, Senator Richard Durbin, Congressman Bill Foster
2. Governor Bruce Rauner
3. Congressman Peter Roskam

From: Grantham, Nancy
Sent: Thursday, September 27, 2018 10:49 AM
To: Lyons, Troy <lyons.troy@epa.gov>; Woods, Clint <woods.clint@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>
Subject: RE: Draft response to letters

Deliberative Process / Ex. 5

Nancy Grantham
Office of Public Affairs
US Environmental Protection Agency
202-564-6879 (desk)
202-253-7056 (mobile)

From: Lyons, Troy
Sent: Thursday, September 27, 2018 10:41 AM
To: Woods, Clint <woods.clint@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Draft response to letters

Good on my end.

OPA if you and OAR have no additional edits, let's get it teed up for Bill's signature. OCIR will send to the appropriate Congressional contacts.

From: Woods, Clint
Sent: Thursday, September 27, 2018 10:27 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Draft response to letters

Sorry for the trouble – This version contains latest on monitoring. Thanks!

From: Woods, Clint
Sent: Thursday, September 27, 2018 10:03 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Draft response to letters

Updated draft attached – We're double checking a couple items but should be good to get this out to requestors this morning.

From: Wehrum, Bill
Sent: Wednesday, September 26, 2018 6:39 PM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Woods, Clint <woods.clint@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: Re: Draft response to letters

I'm coming back to the office from an off site meeting. I suspect all of our support staff are gone. Is first thing in the morning soon enough?

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation

U.S. Environmental Protection Agency
(202) 564-7404

On Sep 26, 2018, at 6:36 PM, Lyons, Troy <lyons.troy@epa.gov> wrote:

Apologies—I missed Clint's earlier draft letter. I am reviewing now

---

From: Wehrum, Bill
Sent: Wednesday, September 26, 2018 6:35 PM
To: Lyons, Troy <lyons.troy@epa.gov>
Cc: Konkus, John <konkus.john@epa.gov>; Jackson, Ryan <jackson.ryan@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Woods, Clint <woods.clint@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: Re: Draft response to letters

Yes.

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

On Sep 26, 2018, at 5:51 PM, Lyons, Troy <lyons.troy@epa.gov> wrote:

Yes, I think a letter should come from Bill.

OAR—could you turn around a letter for us to send to all of the elected who have engaged us?

From: Konkus, John
Sent: Wednesday, September 26, 2018 5:23 PM
To: Jackson, Ryan <jackson.ryan@epa.gov>; Lyons, Troy <lyons.troy@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>; Woods, Clint <woods.clint@epa.gov>; Stepp, Cathy <stepp.cathy@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: Draft response to letters
Importance: High

We have three letters now (all attached) from Members of Congress and the State of Illinois. Below is a draft response to all three. Once edits are made and OCIR formats, we should get these out the door ASAP and simultaneously share with the press.

Draft / Deliberative

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/27/2018 7:59:24 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Addresses for 2nd batch of letters
Attachments: Signed Response to Representative Jim Durkin re Willowbrook, IL.pdf; Signed Response to Mayor Kathleen Weaver re Willowbrook, IL.pdf; Signed Response to Mayor Frank Trilla re Willowbrook, IL.pdf; Signed Response to Chairman Dan Cronin re Willowbrook, IL.pdf; Signed Response to Director Alec Messina re Willowbrook, IL.pdf; Signed Response to Mr. Matthew Dunn re Willowbrook, IL.pdf

I emailed the response to IL EPA Director Messina. Region 5 is emailing the other 5 responses.

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 9/27/2018 7:57:34 PM
To: Alec.messina@illinois.gov
Subject: Letter from EPA re: Willowbrook
Attachments: Signed Response to Director Alec Messina re Willowbrook, IL.PDF

Director Messina,

Please see attached.

Josh Lewis
Chief of Staff
EPA/Office of Air and Radiation
Office: 202 564 2095

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 10/3/2018 6:25:44 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Bill's calendar 9/17-9/28

Delaney and I just looked at it and are good w/ it

From: DeLuca, Isabel
Sent: Wednesday, October 03, 2018 1:55 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Fwd: Bill's calendar 9/17-9/28

Hey, I'll hope on sending until you've had a chance to review...

Begin forwarded message:

From: "Harlow, David" <harlow.david@epa.gov>
Date: October 3, 2018 at 1:38:17 PM EDT
To: "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>, "Wehrum, Bill" <Wehrum.Bill@epa.gov>, "Lewis, Josh" <Lewis.Josh@epa.gov>, "Rakosnik, Delaney" <rakosnik.delaney@epa.gov>, "Atkinson, Emily" <Atkinson.Emily@epa.gov>
Cc: "Millett, John" <Millett.John@epa.gov>
Subject: RE: Bill's calendar 9/17-9/28

Isabel,

Looks good to me. Thank you.

David S. Harlow
Senior Counsel
Immediate Office of the Assistant Administrator
Office of Air and Radiation, USEPA
WJC-N Room 5409K
1200 Pennsylvania Avenue NW
Washington, DC 20460
202-564-1233
Harlow.David@epa.gov

From: DeLuca, Isabel
Sent: Wednesday, October 3, 2018 1:28 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Harlow, David <harlow.david@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Rakosnik, Delaney <rakosnik.delaney@epa.gov>; Atkinson, Emily <Atkinson.Emily@epa.gov>
Cc: Millett, John <Millett.John@epa.gov>
Subject: Bill's calendar 9/17-9/28

Hi all,

It's calendar week once again – Bill's calendar for 9/17-9/24 is pasted below for review.

Please let me know if you have any questions, edits, or concerns with me sending this up for posting.

Many thanks,
Isabel

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/26/2019 4:12:26 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
CC: Noonan, Jenny [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=19d41ff0e3054aafa47d3c33308e5b30-JNOONAN]
Subject: FW: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

Deliberative Process / Ex. 5

Josh

From: Lewis, Josh
Sent: Monday, February 25, 2019 11:36 AM
To: EtO <EtO@epa.gov>
Cc: Davis, Alison <Davis.Alison@epa.gov>; Isabel DeLuca <DeLuca.Isabel@epa.gov>
Subject: FW: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

Please respond to the email below from the general EtO mailbox.

Deliberative Process / Ex. 5

From: Jennifer McConahy Personal Email / Ex. 6
Sent: Monday, February 25, 2019 9:23 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>
Subject: Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

Hello-

I would like to know why Mr. Wehrum is having so many phone calls with Sterigenics. And what the EtO meeting on the hill was? As someone who is suffering from EtO pollution we sure don't have this amount of interaction from Mr. Wehrum. Curious.
Jen

Calendar for Bill Wehrum, Assistant Administrator for the Office of Air and Radiation | Senior Leaders' Calendars | US EPA

https://www.epa.gov/senior-leaders-calendars/calendar-bill-wehrum-assistant-administrator-office-air-and-radiation

Appointment

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/21/2019 6:37:42 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]

Subject: EPA Webinar: Update on Ethylene Oxide Monitoring in Willowbrook, Illinois
Location: WJC-N 5400

Start: 2/21/2019 7:00:00 PM
End: 2/21/2019 8:00:00 PM
Show Time As: Tentative

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/19/2019 3:02:14 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Isabel DeLuca [DeLuca.Isabel@epa.gov]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: FW: Sterigenics in DuPage County, Illinois

From: Wehrum, Bill
Sent: Monday, February 11, 2019 5:56 PM
To: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: Sterigenics in DuPage County, Illinois

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

From: Melissa Schneider Personal Email / Ex. 6
Sent: Monday, February 11, 2019 5:01 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Subject: Sterigenics in DuPage County, Illinois

Dear Mr. Wehrum,

What progress have you been making towards protecting DuPage County (Illinois) residents from the Sterigenics environmental catastrophe? We are still sitting here breathing in all this EtO, just waiting for our turn to have a cancer diagnosis in our household. The latest EPA test results from November/December shows that Sterigenic's supposed "scrubber" is not doing its job and a couple of the days' results catches them dumping an incredibly dangerous amount of EtO into the air. Why hasn't your office filed an order to close them down yet? It is obvious that they are endangering the health of tens of thousands of citizens who live, work, and attend school within a very close proximity to this company. Please do something to stop them now!

Sincerely,

Melissa Schneider
Clarendon Hills, IL

Message

From: Lewis, Josh [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B22D1D3BB3F84436A524F76AB6C79D7E-JOLEWIS]
Sent: 2/21/2019 3:18:01 PM
To: EtO [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1f72b2b6684348ca9321eb3595d569f9-EtO]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Isabel DeLuca [DeLuca.Isabel@epa.gov]
Subject: FW: Sterigenics denied TRO reversal

From: Jennifer McConahy Personal Email / Ex. 6
Sent: Wednesday, February 20, 2019 4:39 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Lewis, Josh <Lewis.Josh@epa.gov>; Wheeler, Andrew <wheeler.andrew@epa.gov>
Subject: Sterigenics denied TRO reversal

Curious to hear how the EPA will respond! Huge win for our community when the EPA failed us!

Appointment

From: Atkinson, Emily [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bb2155adef6a44aea9410741f0c01d27-Atkinson, Emily]
Sent: 11/20/2018 3:47:56 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Alexander Dominguez (dominguez.alexander@epa.gov) [dominguez.alexander@epa.gov]
CC: David Harlow (harlow.david@epa.gov) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]

Subject: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 **Personal Phone / Ex. 6**

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Busy

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Appointment

From: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Sent: 9/24/2018 2:58:22 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Hanson, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=976b280c3eaf4e50b91a25d75466cf3c-Hanson, Andrew]; Cory, Preston (Katherine) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bfd80b15f6d04a3ba11fc8ca3c85bc50-Cory, Kathe]; Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]

Subject: Meeting with Chairman Cronin, DuPage County, Illinois
Attachments: RE: Meeting request
Location: WJC - N 5400 + Video with RTP C430 Personal Phone / Ex. 6

Start: 9/26/2018 1:30:00 PM
End: 9/26/2018 2:00:00 PM
Show Time As: Busy

TO: Bill Wehrum, Clint Woods, Mike Koerber, Kelly Rimer, Andrew Hanson, Preston Cory, David Harlow
Meeting Attendees (in person):

- Dan Cronin, Chairman of DuPage County, IL Board
- Mr. Monroe, DuPage county lobbyist

RE: Meeting request

Appointment

From: Microsoft Outlook [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=MICROSOFTEXCHANGE329E71EC88AE4615BBC36AB6CE41109EF7088051]
Sent: 12/13/2018 5:02:50 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]

Subject: Meeting Forward Notification: Conference call with Willowbrook citizen Jennifer McConaghy re: Sterigenics facility
Location: WJC - N 5400 + conference call

Start: 12/13/2018 5:30:00 PM
End: 12/13/2018 6:00:00 PM

Recurrence: (none)

Your meeting was forwarded

Harlow, David has forwarded your meeting request to additional recipients.

Meeting

Conference call with Willowbrook citizen Jennifer McConaghy re: Sterigenics facility

Meeting Time

Thursday, 13 December 2018 12:30-13:00.

Recipients

Harlow, David

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Microsoft Outlook [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=MICROSOFTEXCHANGE329E71EC88AE4615BBC36AB6CE41109EF7088051]
Sent: 2/22/2019 9:07:14 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]

Subject: Meeting Forward Notification: Call with Region 5 re: Sterigenics
Location: WJC - N 5400 + **Personal Phone / Ex. 6**

Start: 2/22/2019 9:15:00 PM
End: 2/22/2019 10:00:00 PM

Recurrence: (none)

Your meeting was forwarded

Nam, Ed has forwarded your meeting request to additional recipients.

Meeting

Call with Region 5 re: Sterigenics

Meeting Time

Friday, 22 February 2019 16:15-17:00.

Recipients

Thiede, Kurt

All times listed are in the following time zone: (UTC-05:00) Eastern Time (US & Canada)

Sent by Microsoft Exchange Server

Appointment

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 8/23/2018 1:11:00 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]; Schwab, Justin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eed0f609c0944cc2bbdb05df3a10aadb-Schwab, Jus]; Yamada, Richard (Yujiro) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4c34a1e0345e4d26b361b5031430639d-Yamada, Yuj]

Subject: Meeting with American Chemistry Council
Attachments: CONFIRMED RE: 8/23 Meeting
Location: WJC - N 5400

Start: 8/23/2018 3:00:00 PM
End: 8/23/2018 4:15:00 PM
Show Time As: Tentative

TO: Bill Wehrum, Clint Woods, Alex Dominguez, Justin Schwab, Richard Yamada

CONFIRMED RE:
8/23 Meeting

Outside Attendees (in person):

From ACC

- David Fischer
- Laura Brust
- Leslie Hulse
- Bill Gulledge
- Brendan Mascarenhas

From Exponent

- Aby Li
- Jane Teta
- Jim Bus
- Ken Bogen

- Tom Roberts (representing Sterigenics),
- Chris Klosen (Balchem- EO supplier to sterilizer industry),

Appointment

From: Atkinson, Emily [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BB2155ADEF6A44AEA9410741F0C01D27-ATKINSON, EMILY]
Sent: 2/5/2019 4:38:51 AM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]

Subject: Accepted: Phone call with Phil MacNAbb re: Sterigenics
Location: WJC - N 5400 + Personal Phone / Ex. 6

Start: 2/4/2019 4:30:00 PM
End: 2/4/2019 5:00:00 PM
Show Time As: Busy

Message

From: woods.clint@epa.gov [woods.clint@epa.gov]
Sent: 2/21/2019 7:35:39 PM
To: Schwab, Justin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eed0f609c0944cc2bbdb05df3a10aadb-Schwab, Jus]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Please print attachment

Begin forwarded message:

> **From:** "Woods, Clint" <woods.clint@epa.gov>
> **Date:** February 21, 2019 at 2:05:38 PM EST
> **To:** "Woods, Clint" <woods.clint@epa.gov>
> **Subject: Fwd: Draft talking points for today's call**

> Begin forwarded message:

> > **From:** "Woods, Clint" <woods.clint@epa.gov>
> > **Date:** February 20, 2019 at 3:20:08 PM EST
> > **To:** "Harlow, David" <harlow.david@epa.gov>
> > **Subject: Fwd: Draft talking points for today's call**
> >
> > Mind printing a couple copies? These look good to me
>
> > Begin forwarded message:
>
> > > **From:** "Davis, Alison" <Davis.Alison@epa.gov>
> > > **Date:** February 20, 2019 at 2:08:05 PM EST
> > > **To:** "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
> > > **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
> > > **Subject: Draft talking points for today's call**
> > >
> > > Hi Clint,
> > >
> > > Here are the draft talkers for the call with the RAs.
> > >
> > > -Alison
> > >
> > > ---
> > > Alison Davis
> > > Senior Advisor for Public Affairs
> > > US EPA, Office of Air Quality Planning & Standards

Research Triangle Park, NC 27711
Desk: 919-541-7587
Personal Phone / Ex. 6

Message

From: woods.clint@epa.gov [woods.clint@epa.gov]
Sent: 2/20/2019 8:19:54 PM
To: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Mind printing a couple copies? These look good to me

Begin forwarded message:

> **From:** "Davis, Alison" <Davis.Alison@epa.gov>
> **Date:** February 20, 2019 at 2:08:05 PM EST
> **To:** "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
> **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
> **Subject: Draft talking points for today's call**
>
> Hi Clint,
>
> Here are the draft talkers for the call with the RAs.
>
> -Alison
>
> ---
> Alison Davis
> Senior Advisor for Public Affairs
> US EPA, Office of Air Quality Planning & Standards
> Research Triangle Park, NC 27711
> Desk: 919-541-7587
> **Personal Phone / Ex. 6**

Message

From: woods.clint@epa.gov [woods.clint@epa.gov]
Sent: 2/20/2019 7:09:29 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: February 20, 2019 at 2:08:05 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Cc: "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
Subject: Draft talking points for today's call

Hi Clint,

Here are the draft talkers for the call with the RAs.

-Alison

Alison Davis
Senior Advisor for Public Affairs
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Personal Phone / Ex. 6

Appointment

From: Wehrum, Bill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=33D96AE800CF43A3911D94A7130B6C41-WEHRUM, WIL]
Sent: 11/20/2018 3:48:01 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Rimer, Kelly [Rimer.Kelly@epa.gov]; Weinstock, Lewis [Weinstock.Lewis@epa.gov]; Koerber, Mike [Koerber.Mike@epa.gov]; Davis, Alison [Davis.Alison@epa.gov]; Tsirigotis, Peter [Tsirigotis.Peter@epa.gov]; Dominguez, Alexander [dominguez.alexander@epa.gov]
CC: Harlow, David [harlow.david@epa.gov]; Wayland, Richard [Wayland.Richard@epa.gov]

Subject: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Busy

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Appointment

Start: 11/19/2018 9:00:00 PM
End: 11/19/2018 9:30:00 PM
Show Time As: Busy

Recurrence: (none)

TO: Bill Wehrum, David Harlow, Clint Woods, Mandy Gunasekara

Note: This meeting was scheduled out of a phone call with Phil MacNabb. We called him back to confirm the phone call.

Appointment

From: Wehrum, Bill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=33D96AE800CF43A3911D94A7130B6C41-WEHRUM, WIL]
Sent: 9/24/2018 2:58:27 PM
To: Wehrum, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=33d96ae800cf43a3911d94a7130b6c41-Wehrum, Wil]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [Koerber.Mike@epa.gov]; Rimer, Kelly [Rimer.Kelly@epa.gov]; Hanson, Andrew [Hanson.Andrew@epa.gov]; Cory, Preston (Katherine) [Cory.Preston@epa.gov]; Harlow, David [harlow.david@epa.gov]

Subject: Meeting with Chairman Cronin, DuPage County, Illinois
Attachments: RE: Meeting request
Location: WJC - N 5400 + Video with RTP C430 **Personal Phone / Ex. 6**

Start: 9/26/2018 1:30:00 PM
End: 9/26/2018 2:00:00 PM
Show Time As: Busy

TO: Bill Wehrum, Clint Woods

Meeting Attendees (in person):

- Dan Cronin, Chairman of DuPage County, IL Board
- Mr. Monroe, DuPage county lobbyist

RE: Meeting request

Appointment

From: Atkinson, Emily [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BB2155ADEF6A44AEA9410741F0C01D27-ATKINSON, EMILY]
Sent: 11/20/2018 3:47:58 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]

Subject: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Re: EtO Update

Message

From: Rimer, Kelly [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=123A21A46D0E4E53A590798CDCC3FB47-KRIMER]
Sent: 10/2/2018 9:10:58 PM
To: Frank [Personal Email / Ex. 6 Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: RE: Stop Sterigenics "info"

Mr. Mayor,

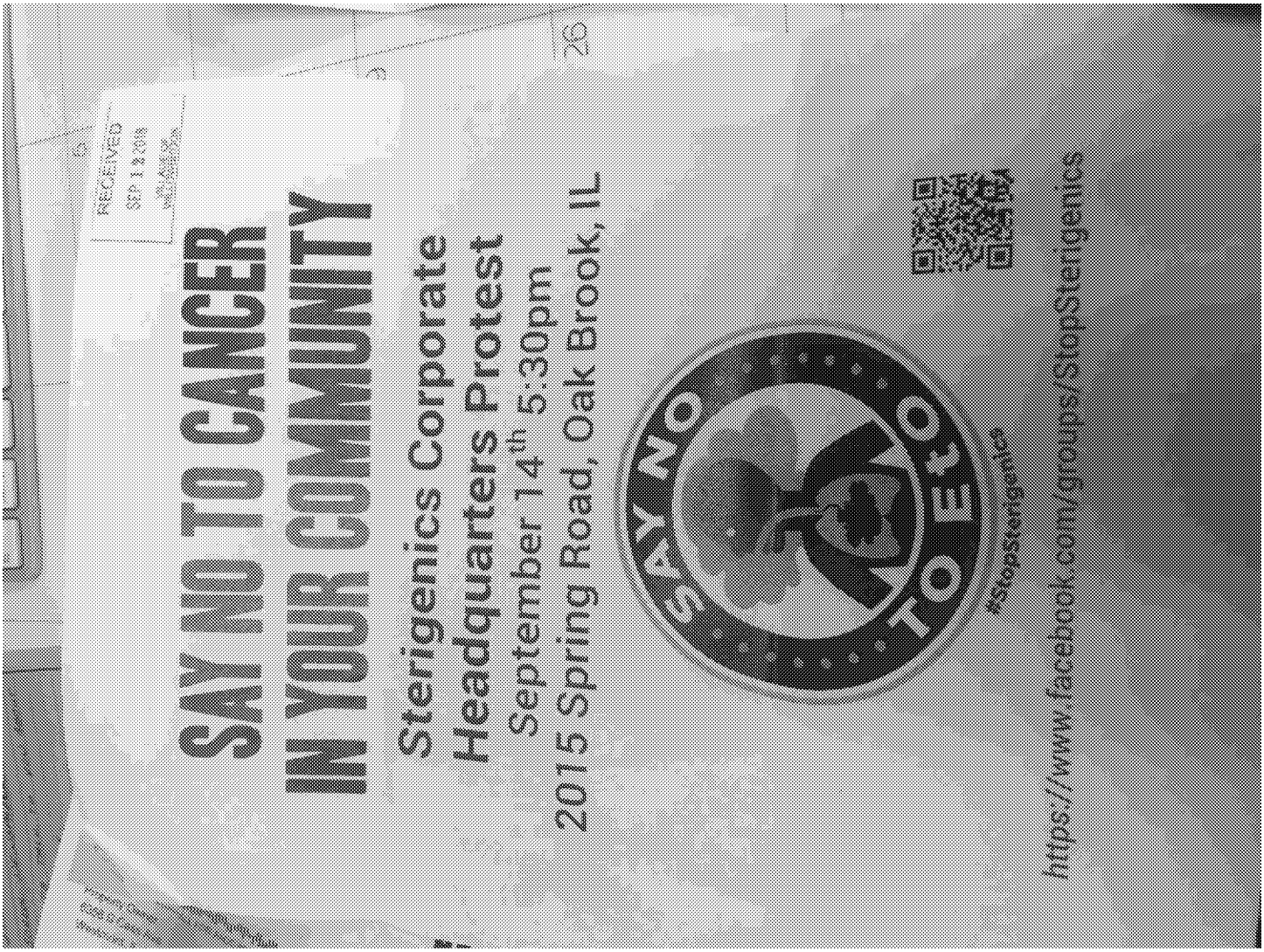
We are reviewing the information in this flyer and will respond to you tomorrow.

Thank you,
Kelly Rimer

Kelly Rimer
Leader, Air Toxics Assessment Group
Health and Environmental Impacts Division
US EPA
Office of Air Quality Planning and Standards
109 TW Alexander Drive
RTP, NC 27709
Personal Phone / Ex. 6

From: Frank Personal Email / Ex. 6
Sent: Saturday, September 29, 2018 11:21 AM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: Stop Sterigenics "info"

I would like to know if their information is accurate?
If not why not?



Sent from my iPhone

Attendees Sterigenics/Willowbrook Briefing September 28, 2018

Senator Durbin
- Clarisol Duque
- Jasmine Hunt
- Tran Nguyen
- Cynthia Bajjalieh
- Reema Dodin

Senator Duckworth
- David Applegate
- Radha Adhar
- Marian Faz-Huppert

Representative Foster
- Representative Bill Foster
- Hilary Denk
- Gary Timmins

Representative Roskam
- Joe Fawell

Representative Lipinski
- Joel Creswell

Governor Bruce Rauner
- Lise Spacapan
- Patty Schuh

State Senator
- John F. Curran, IL Senate District 41

State Representative
- Jim Durkin, IL House District 82
- Derk Perseco
- Michael Mahoney

DuPage County
- Greg Hart
- Tom Cuculich

Mayor of Willowbrook
- Frank Trilla

Mayor of Burr Ridge
- Mickey Straub
- Evan Walter

Mayor of Darien

- Bryon Vana

IL EPA

- Alec Messina

Serafin & Associates

- Lissa Druss

IDPH

- Bill Dart and a couple of others

EPA

- Bill Wehrum
- Clint Woods
- Mike Koerber
- Kelly Rimer
- Cathy Stepp
- Kurt Thiede
- Jim Payne
- Jeff Kelley
- Rett Nelson
- Ed Nam
- Jennifer Wilson

Message

From: Konkus, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=555471B2BAA6419E8E141696F4577062-KONKUS, JOH]
Sent: 11/7/2018 5:30:16 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Stepp, Cathy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=befdafc0fa1a425eae232f60ad9bda1d-Stepp, Cath]; Thiede, Kurt [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3cc09fac5acc4ce1ba689fb2ce70d459-Thiede, Kur]
Subject: Draft elevator speech

Deliberative Process / Ex. 5

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 10/11/2018 6:37:16 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: New Posting on EPA Website

Flag: Flag for follow up

Clint – just saw the new information on EPA's website regarding Sterigenics / Willowbrook and found it informative and helpful. It did, however, raise a couple of questions for me. Would you have a few minutes for a call sometime today or tomorrow?

Thanks.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Gunasekara, Mandy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=53D1A3CAA8BB4EBAB8A2D28CA59B6F45-GUNASEKARA,]
Sent: 10/11/2018 4:07:10 PM
To: Eric Byer [ebyer@nacd.com]
CC: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Re: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

Hi and thanks for flagging this. I'm looping in Clint Woods who has been on top of the IL ethylene oxide situation. He has been working with all interested parties and can touch base.

Beyond this, I hope all is well!

Sent from my iPhone

On Oct 11, 2018, at 11:03 AM, Eric Byer <ebyer@nacd.com> wrote:

Nonresponsive Discussion of Personal Matters / Ex. 6

Are you all in the air office weighing in on this utter nonsense? Dear lord. The panic in IL is crazy. Brainerd is seriously considering stopping the development of a plant in Danville, IL because of the overreaction.

Thanks for any pearls of wisdom that you can share.

Best to Surya and the fam!

Eric

From: <cici@memberclicks-mail.net> on behalf of Mark Biel <cici@memberclicks-mail.net>
Reply-To: "mbiel@cicil.net" <mbiel@cicil.net>
Date: Tuesday, October 2, 2018 at 1:44 PM
To: "Mathew A. Brainerd" <mat@brainerdchemical.com>
Subject: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

<~WRD000.jpg>

Date: October 2, 2018

To: Chemical Industry Council of Illinois (CICI) Members

From: Mark Biel, CEO
mbiel@cicil.net or 217-522-5805

Re: ALERT: *****State of Illinois Calls on Facility to Shutdown*****

As many of you may be aware, concerns have been raised in the Willowbrook area about a facility which uses ethylene oxide (EO) to sterilize medical equipment.

While the facility's air emissions are well within the facility's legally permitted limits set by the IEPA and USEPA, the State of Illinois has called on the facility to cease operations until the USEPA can complete emission testing and analysis around the facility. If the facility stays open, the Governor has recommended that the Illinois Attorney General take legal action to close the facility, as requested in today's IEPA press release

This action is particularly disconcerting since CICI has provided the Governor's office, IEPA, and the Attorney General's office with the necessary safety information on Ethylene Oxide as well as our arguments over the use of the USEPA's flawed risk assessment.

The USEPA's recent risk assessment of EO claims a risk level for EO which is 19,000 times lower than what the human body produces naturally. Clearly, the USEPA risk assessment is implausible and flawed. (For background on the issue, please go to the Ethylene Oxide Sterilization Association statement. In addition, the American Chemistry Council has submitted a very thorough Request for Correction under the Information Quality Act to correct the ethylene oxide information used in the 2014 National Air Toxics Assessment.)

To shut down a legally operating facility is a frightening prospect for any facility operating in Illinois.

CICI will continue to work with the Governor's office and regulators on this issue, but CICI wanted you to be aware of the actions which are being taken by the State of Illinois. The consequences of this action has significant ramifications for the entire industry.

Note: Over 2 million pieces of medical equipment, devices, gauzes, etc. are sterilized with Ethylene Oxide every day in Illinois – Ethylene Oxide is a miracle product which has prevented countless cases of fungal, bacterial and viral infections. Shutdown of this facility will create serious risk for hospitals and medical device manufacturers that depend on EO all in the name of safety for the healthcare industry.

1400 E. Touhy Ave, Suite 110
Des Plaines, IL 60018
Tel: (847) 544-5995
Fax: (847) 544-5999

<image003.jpg>

This email was sent to mbrainerd@brainerdchemical.com by mbiel@cicil.net

Chemical Industry Council of Illinois • 1400 E. Touhy Ave., Suite 110, Des Plaines, Illinois 60018, United States • 847-544-5995 or 217-522-5805

Remove My Email or Manage Preferences • Privacy Policy

<image004.jpg>

<~WRD000.jpg>

Message

From: Koerber, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9C513901D4FD49F9AB101A6F7A7A863E-KOERBER, MIKE]
Sent: 2/25/2019 12:37:10 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Air Pollution Crisis in Willowbrook, Ill., Exposes Toxic Racial Divide

FYI

From: Mckelvey, Laura
Sent: Monday, February 25, 2019 7:24 AM
To: EtO <EtO@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Wilson, Holly <Wilson.Holly@epa.gov>; Cortelyou-Lee, Jan <Cortelyou-Lee.Jan@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Caparoso, Jennifer <Caparoso.Jennifer@epa.gov>; Witt, Jon <Witt.Jon@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>; Long, Pam <Long.Pam@epa.gov>
Subject: FW: Air Pollution Crisis in Willowbrook, Ill., Exposes Toxic Racial Divide

And it starts

From: Jennifer McConahy <jgleason721@gmail.com>
Sent: Sunday, February 24, 2019 11:04 AM
To: Mckelvey, Laura <Mckelvey.Laura@epa.gov>
Subject: Air Pollution Crisis in Willowbrook, Ill., Exposes Toxic Racial Divide

Air Pollution Crisis in Willowbrook, Ill., Exposes Toxic Racial Divide

https://theintercept.com/2019/02/24/epa-response-air-pollution-crisis-toxic-racial-divide/

Message

From: Rimer, Kelly [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=123A21A46D0E4E53A590798CDCC3FB47-KRIMER]
Sent: 10/10/2018 8:46:48 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Re: Request for Formal Recommendations

Thanks

FYI, we are meeting w OW comms tomorrow to get some information to answer some of the general questions we have received about EtO and water.

On Oct 10, 2018, at 4:37 PM, Woods, Clint <woods.clint@epa.gov> wrote:

FYI

Begin forwarded message:

From: "Karen J. Ayala" <kayala@dupagehealth.org>
Date: October 10, 2018 at 4:23:50 PM EDT
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Davis, Alison" <Davis.Alison@epa.gov>
Subject: RE: Request for Formal Recommendations

Clint,
I am checking in to determine the status of this request. I very much appreciate the work being done to assist us in addressing significant/growing resident concerns re: groundwater testing and potential contamination. We are holding an internal meeting on Friday morning to discuss next steps, but clearly are relying upon your agency's expertise to provide the direction. If there is any opportunity to get even preliminary guidance from you, that would help—thanks again, Karen

Karen J. Ayala
Executive Director
DuPage County Health Department
Phone: (630) 221-7401
Email: kayala@dupagehealth.org

From: Woods, Clint <woods.clint@epa.gov>
Sent: Friday, October 5, 2018 2:14 PM
To: Karen J. Ayala <kayala@dupagehealth.org>
Cc: Davis, Alison <Davis.Alison@epa.gov>
Subject: RE: Request for Formal Recommendations

Karen,

Thanks so much for DuPage County's recent request for recommendations for groundwater concerns in Willowbrook, IL. I wanted to make sure to acknowledge receipt of this request and let you know that we have gathered a group of EPA experts from the Agency's Office of Water (Office of Ground Water and Drinking Water), Office of Air

and Radiation (Office of Air Quality Planning and Standards) and Region 5 to quickly assess the scientific information available in regard to any potential groundwater impacts in Willowbrook. We hope to be in touch with more information shortly.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

For up to date news and information on the DuPage County Health Department, please follow us on Twitter @DuPageHD and become a fan on Facebook.

DUPAGE COUNTY
HEALTH DEPARTMEN

E-MAIL CONFIDENTIALITY DISCLAIMER:

The contents of this e-mail message and any attachments are intended solely for the addressee(s) and may contain confidential and/or legally privileged information. The authorized recipient of this e-mail is prohibited from disclosing it to any party, unless required to do so by law or regulation, and may be required to destroy the transmission after its need has been fulfilled. If you are not the intended recipient, you should not disclose, copy, distribute, store or take any action in reliance on this message and any attachments. If you have received this e-mail in error, please notify the sender through a reply e-mail; and delete this message and any attachments.

DuPage County Health Department

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/27/2018 6:31:18 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Sterigenics Willowbrook Facility / Region 5

Clint – thank you for your time last week for the ACC briefing. I hope you and Bill found it beneficial.

I wanted to give you an update on the situation at our Willowbrook facility.

On Friday Region 5 reposted the a very brief statement with a link to the EPA EO page and a link to the ATSDR report.

Here is the new link to the website.
https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.epa.gov%2Fil%2Fsterigenics-willowbrook-facility-documents&data=02%7C01%7CKHoffman%40sterigenics.com%7Cd815e0e6a1234ff6008508d60a0a7800%7Cf4b2771078204e9182f157bc58d2de41%7C0%7C0%7C636707437422013424&sdata=YpfTJETolMY5vyNpNnZ7mgQSp%2BBLGD1PA6oigPo8rGw%3D&reserved=0
On Saturday, the Mayor of Willowbrook started a Facebook chain reporting on what he and City officials are doing in response to the ATSDR report, including holding a townhall meeting tomorrow (Tuesday) night. As you can imagine, this has generated a shitstorm of comments with the most agitated demanding that the Sterigenics' facility be closed.

Here is the Facebook link.
https://m.facebook.com/story.php?story_fbid=2130326750523247&id=1552278021661459

Other than the cautionary note on EO linked to the NATA report, is there anything else EPA HQ can say / do to help us put the IRIS assessment in context?

This facility always has operated in compliance with its air permit limits. Since we completed the retrofit of the backvent system in late July, the emissions now are substantially below the permitted levels. The only thing that has changed is the IRIS EO assessment which, if applied literally, means that no permit for EO emissions anywhere in the country is protective of human health.

This may be confined to the Sterigenics Willowbrook facility right now, but unless EPA takes some more significant action to put the IRIS assessment in context, it will spread to other parts of the country where there is a facility that uses EO.

Thanks, Clint.

Message

From: Kelley, Jeff [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E154FA5A5F744C70AA3DA58E3F87AABE-JKELLEY]
Sent: 8/27/2018 6:26:01 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Konkus, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=555471b2baa6419e8e141696f4577062-Konkus, Joh]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Grantham, Nancy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=12a3c2ed7158417fb0bb1b1b72a8cfb0-Grantham, Nancy]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]; Thiede, Kurt [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3cc09fac5acc4ce1ba689fb2ce70d459-Thiede, Kur]; Stepp, Cathy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=befdafc0fa1a425eae232f60ad9bda1d-Stepp, Cath]; Payne, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=61b3204a683041079512b122c580a569-Payne, Jame]
Subject: From Pioneer Press: Emissions from Willowbrook company could be harmful to residents, federal report says

FYI, this just out …

http://www.chicagotribune.com/suburbs/burr-ridge/news/ct-dbr-willowbrook-sterigenics-tl-0830-story.html

Emissions from Willowbrook company could be harmful to residents, federal report says

Kimberly Fornek
Pioneer Press

A Willowbrook company that provides product sterilization services has been releasing levels of a gas that could be harmful to public health, says a report from the U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry.

Willowbrook Mayor Frank Trilla was scheduled to meet at 11 a.m. Monday with an official of Sterigenics International.

Sterigenics stores ethylene oxide, which is sprayed into sealed chambers to sterilize medical equipment, pharmaceuticals and food products in two buildings, at 830 Midway Drive and 7775 Quincy St., reports the Agency for Toxic Substances and Disease Registry.

The buildings are directly north and east of the Willowbrook Municipal Complex.

According to the agency's report, the EPA Integrated Risk Information System Management increased the cancer risk from adult-based inhalation of ethylene oxide 30-fold in December.

The EPA then evaluated the implications of this change at two sites, Sterigenics International, Inc. in Willowbrook, and the Ele Corporation in McCook.

The report released Aug. 21 deals only with Sterigenics and says air quality was monitored and 39 samples taken between May 16-18 from 26 different locations in the commercial area around Sterigenics, northeast of Route 83 and Interstate 55, and in the residential neighborhoods, northwest of Route 83 and I-55.

The agency then used that data to run models for the effects of long-term exposure of ethylene oxide at those levels on area residents and workers.

If the measured and modeled data represent typical ethylene oxide concentrations in ambient air, the agency concluded an elevated cancer risk exists for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility.

"These elevated risks present a public health hazard to these populations," the report stated.

But the agency noted, "It is difficult to assess long-term public health implications from facility emissions because there has been no historical air monitoring in the community."

Trilla spent the weekend contacting county, state and federal agencies to gather more information.

On the village website, Trilla said EPA officials told him Sterigenics, which has headquarters in Oak Brook, submitted a construction permit application June 11 to the Illinois EPA to construct equipment to reduce emissions.

The Illinois EPA issued the permit June 26, and the company completed the project July 27, with follow-up tests to measure emissions levels scheduled imminently, Trilla said the EPA told him.

"My main concern is the health and safety of our residents and those who work in Willowbrook," Trilla stated.

He is arranging a community meeting early this week with representatives of the EPA and the Agency for Toxic Substances and Disease Registry, who will speak to residents and answer questions.

The village also has retained a leading expert on environmental law, the website states.

Calls to Sterigenics International on Monday were not immediately returned.

Jeff Kelley
Director, Office of External Communications
U.S. EPA Region 5
ph: 312-353-1159

Message

From: Rimer, Kelly [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=123A21A46D0E4E53A590798CDCC3FB47-KRIMER]
Sent: 10/5/2018 7:56:17 PM
To: Mayor Mickey [Mickey@mayormickey.com]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Douglas Pollock [DPOLLOCK@BURR-RIDGE.GOV]; Evan Walter [EWalter@burr-ridge.gov]
Subject: RE: EPA Sterigenics webpage

Mr. Mayor,

Thank you for including me in this email. Speaking of updates, below is what I just sent to Mayor Trilla (as he is the main point of contact). I am of course happy to include both you and Mayor Trilla on communications going forward.

Kelly Rimer

Mayor Trilla,

Below is a status and next steps update. We understand from the meeting last week that this is some of the information that you requested. Next week we will send answers to the questions we received along with information regarding the ATSDR letter.

We also plan to post this update to the EPA website identified below.

Also, I would be happy to share this information with anyone you would like me to.

I will reach out again to you on Tuesday to check in and to see if we can connect about the community meeting. Please do not hesitate to call if you have any questions.

Sincerely,
Kelly Rimer
U.S. EPA Office of Air Quality Planning & Standards
919-541-5368

Ethylene Oxide in Willowbrook: Status and Next Steps

What is EPA doing to reduce ethylene oxide from the Sterigenics facility?

***What has been done to date*:**

Sterigenics has taken steps to further control ethylene oxide emissions from the Willowbrook facility and estimates that those controls have reduced ethylene oxide by about 92 percent.

On September 20 and 21 2018, a contractor hired by Sterigenics conducted stack tests to measure the actual emissions from the control devices at the facility. U.S. EPA and Illinois EPA experts were present to observe the tests.

What happens next:

- Once the final report from the stack test is complete, and delivered to U. S. EPA, the Agency will review the results to confirm how much ethylene oxide the pollution controls are reducing. EPA will that information to estimate *current* emissions from the Sterigenics facility.

- U.S. EPA needs the emissions estimates to help the agency determine how far any remaining ethylene oxide emissions will disperse and what the levels of ethylene oxide in the air nearby the facility are likely to be. EPA will determine this using a computer model.
- The information also will help EPA determine the best places to monitor the air for ethylene oxide in the area. EPA will work with local elected officials in the area as it develops its monitoring plan.
- Existing monitoring methods are not sensitive enough to detect ethylene oxide at all levels in the outdoor air. Because of this, EPA cannot use monitoring alone to determine the levels of ethylene oxide in the air around the facility.
- EPA will conduct a risk assessment for the Willowbrook area. This assessment will be more comprehensive than either NATA or the ATSDR analysis. It will be similar to the types of risk assessments EPA conducts when it is reviewing its regulations for industries that emit air toxics to determine whether those rules need to be updated to improve protection of public health.
- EPA will update this information as this work proceeds on our NATA website at: https://www.epa.gov/il/sterigenics-willowbrook-facility

---

From: Mayor Mickey [mailto:Mickey@mayormickey.com]
Sent: Friday, October 05, 2018 3:49 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Rimer, Kelly <Rimer.Kelly@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Douglas Pollock <DPOLLOCK@BURR-RIDGE.GOV>; Evan Walter <EWalter@burr-ridge.gov>
Subject: EPA Sterigenics webpage

Hello Clint,

I totally understand and I thank you for not minding my persistence! This issue is causing quite a stir and concern in our parts and we appreciate any/all clarification and future testing.

Kelly/Alison, nice to meet you and thank you in advance! Please add me in to any updates or correspondence?

Stay in touch and let me know if I/we can be of any help?

Patriotically yours, Mickey

From: Woods, Clint <woods.clint@epa.gov>
Sent: Friday, October 5, 2018 10:41 AM
To: Mayor Mickey <Mickey@mayormickey.com>
Cc: Rimer, Kelly <Rimer.Kelly@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>
Subject: RE: EPA Sterigenics webpage

Mayor,

Please excuse my delay - Attached is more context regarding the IRIS number. Copied here is Kelly Rimer and Alison Davis, who are leading our rapid response effort and can likely answer any additional questions more quickly.

Thanks!

Clint Woods

Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Mayor Mickey [mailto:Mickey@mayormickey.com]
Sent: Tuesday, October 2, 2018 1:32 PM
To: Woods, Clint <woods.clint@epa.gov>
Subject: EPA Sterigenics webpage

Hi Clint,

I just wanted to keep you in the loop…please see below. Unless I am missing something, this update is missing critical information and I think will do nothing but fuel fear across the community!

And for your information, law firms are now holding workshops in our town to teach people how to sue Sterigenics. Welcome to Illinois!

On a related note, are you still going to be able to send that statement of clarification that we discussed in the car? This week, I hope? Thanks!

All the best, Mickey

Mickey Straub
Mayor | Village of Burr Ridge
7660 S. County Line Road, Burr Ridge, IL 60527
MStraub@Burr-Ridge.gov
Mickey@MayorMickey.com
Village: 630-654-8181

From: Mayor Mickey <Mickey@mayormickey.com>
Sent: Tuesday, October 2, 2018 12:13 PM
To: 'Stepp, Cathy' <stepp.cathy@epa.gov>
Cc: 'Evan Walter' <EWalter@burr-ridge.gov>; Douglas Pollock <DPOLLOCK@BURR-RIDGE.GOV>
Subject: RE: EPA Sterigenics webpage

Dear Cathy,

Thank you for the update, but it appears to me that additional information and clarification is necessary? I think this excerpt will likely just increase the health scare, unless it included more details as to what level of exposure is necessary:

> "ATSDR concluded: "if measured and modeled data represent typical ethylene oxide ambient concentrations in ambient air, an elevated cancer risk exists for residents and offsite workers in the Willowbrook community surrounding the Sterigenics facility. These elevated risks present a public health hazard to these populations."

For example, one of your high ranking EPA officials told me that the cancer risk was only greater assuming you were sitting in a lawn chair with "70 years of exposure 24 hours per day". Why wasn't something like that clearly specified?

Also, why weren't the results of the most recent Stack Test included and explained in layman's terms. (Pardon me if I missed them.)

Thank you for your efforts.

All the best, Mickey

Mickey Straub
Mayor | Village of Burr Ridge
7660 S. County Line Road, Burr Ridge, IL 60527
MStraub@Burr-Ridge.gov
Mickey@MayorMickey.com
Village: 630-654-8181

From: Stepp, Cathy <stepp.cathy@epa.gov>
Sent: Tuesday, October 2, 2018 11:24 AM
To: clarisol_duque@durbin.senate.gov; jasmine_hunt@durbin.senate.gov; Tran_Nguyen@durbin.senate.gov; david_applegate@duckworth.senate.gov; Radha_adhar@duckworth.senate.gov; Hilary.Denk@mail.house.gov; Gary.Timmins@mail.house.gov; Samantha.warren@mail.house.gov; Joe.Fawell@mail.house.gov; lee.campuzano@mail.house.gov; hannah.chargin@mail.house.gov; joel.creswell@mail.house.gov; sam.pfister@illinois.gov; brian.oszakiewski@mail.house.gov; kweaver@darienil.gov; bvana@darienil.gov; senatorcurran@gmail.com; repdurkin@hotmail.com; durkin@ilhousegop.org; ftrilla@willowbrook.il.us; Mickey@MayorMickey.com; dpollock@burr-ridge.gov; alec.messina@illinois.gov; laura.roche@illinois.gov; Julie.Armitage@illinois.gov; lissa@serafin.com; rcipriano@schiffhardin.com; mmahoney@hrs.ilga.gov; greg.hart@dupageco.org; Lise.T.Spacapan@illinois.gov; patty.schuh@illinois.gov; Dan.Cronin@dupageco.org; Cynthia_Bajjalieh@durbin.senate.gov; marina_faz-huppert@duckworth.senate.gov; bill.dart@illinois.gov
Cc: Thiede, Kurt <thiede.kurt@epa.gov>; Payne, James <payne.james@epa.gov>
Subject: EPA Sterigenics webpage

Good Morning –

I wanted to let you all know the EPA Sterigenics webpage has been expanded to include additional information to help explain the work being done in and around the Sterigenics facility in Willowbrook, IL. Thank you all for your attention to this matter, as well as your willingness to work with us to understand how best to communicate to the community.

The webpage can be found at: https://www.epa.gov/il/sterigenics-willowbrook-facility

Thank you,

Cathy Stepp
Regional Administrator

Message

From: Eric Byer [ebyer@nacd.com]
Sent: 1/17/2019 7:35:22 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: RE: ALERT:*****State of Illinois Calls on Facility to Shutdown*****
Attachments: ATT00001.txt

Flag: Flag for follow up

Clint,

Not sure if you are working or not with the shutdown but I am assuming our meeting with Bill next week is off at this point?

Thanks!

Eric R. Byer
President

1560 Wilson Blvd., Suite 1100
Arlington, VA 22209
703.527.6223 x 3048 – Main Line
703.527.7747 - Fax
571.482.3048 - Direct
ebyer@nacd.com
LinkedIn

From: Woods, Clint <woods.clint@epa.gov>
Sent: Thursday, October 11, 2018 2:53 PM
To: Eric Byer <ebyer@nacd.com>
Subject: Re: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

202.564.6562

On Oct 11, 2018, at 2:52 PM, Eric Byer <ebyer@nacd.com> wrote:

> 1:30pm thanks! Good number to call?
>
> ---
>
> **From:** Woods, Clint <woods.clint@epa.gov>
> **Sent:** Thursday, October 11, 2018 2:52 PM
> **To:** Eric Byer <ebyer@nacd.com>
> **Subject:** Re: ALERT:*****State of Illinois Calls on Facility to Shutdown*****
>
> Any chance we could do 1:30 or 3:00?

On Oct 11, 2018, at 2:46 PM, Eric Byer <ebyer@nacd.com> wrote:

Monday works great. 2pm?

From: Woods, Clint <woods.clint@epa.gov>
Sent: Thursday, October 11, 2018 2:11 PM
To: Eric Byer <ebyer@nacd.com>
Cc: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>
Subject: Re: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

Eric,

Sounds great - If there's any chance early next week (maybe Monday afternoon) might work, that would be best from my end.

Thanks!

Clint
202.564.6562

On Oct 11, 2018, at 1:57 PM, Eric Byer <ebyer@nacd.com> wrote:

Thanks Mandy.

Clint, please let me know if there is a good time to catch up.

Thanks,
Eric

From: Gunasekara, Mandy <Gunasekara.Mandy@epa.gov>
Sent: Thursday, October 11, 2018 12:07 PM
To: Eric Byer <ebyer@nacd.com>
Cc: Woods, Clint <woods.clint@epa.gov>
Subject: Re: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

Hi and thanks for flagging this. I'm looping in Clint Woods who has been on top of the IL ethylene oxide situation. He has been working with all interested parties and can touch base.

Beyond this, I hope all is well!

Sent from my iPhone

On Oct 11, 2018, at 11:03 AM, Eric Byer <ebyer@nacd.com> wrote:

Personal Privacy / Ex. 6

Are you all in the air office weighing in on this utter nonsense? Dear lord. The panic in IL is crazy. Brainerd

is seriously considering stopping the development of a plant in Danville, IL because of the overreaction.

Thanks for any pearls of wisdom that you can share.

Best to Surya and the fam!

Eric

From: <cici@memberclicks-mail.net> on behalf of Mark Biel <cici@memberclicks-mail.net>
Reply-To: "mbiel@cicil.net" <mbiel@cicil.net>
Date: Tuesday, October 2, 2018 at 1:44 PM
To: "Mathew A. Brainerd" <mat@brainerdchemical.com>
Subject: ALERT:*****State of Illinois Calls on Facility to Shutdown*****

<~WRD000.jpg>

Date: October 2, 2018

To: Chemical Industry Council of Illinois (CICI) Members

From: Mark Biel, CEO
mbiel@cicil.net or 217-522-5805

Re: ALERT: *****State of Illinois Calls on Facility to Shutdown*****

As many of you may be aware, concerns have been raised in the Willowbrook area a which uses ethylene oxide (EO) to sterilize medical equipment.

While the facility's air emissions are well within the facility's legally permitted limits se and USEPA, the State of Illinois has called on the facility to cease operations until the complete emission testing and analysis around the facility. If the facility stays open, th has recommended that the Illinois Attorney General take legal action to close the faci requested in today's IEPA press release

This action is particularly disconcerting since CICI has provided the Governor's office the Attorney General's office with the necessary safety information on Ethylene Oxide our arguments over the use of the USEPA's flawed risk assessment.

The USEPA's recent risk assessment of EO claims a risk level for EO which is 19,000 than what the human body produces naturally. Clearly, the USEPA risk assessment i and flawed. (For background on the issue, please go to the Ethylene Oxide Sterilizati

Association statement. In addition, the American Chemistry Council has submitted a
Request for Correction under the Information Quality Act to correct the ethylene oxide
used in the 2014 National Air Toxics Assessment.)

To shut down a legally operating facility is a frightening prospect for any facility opera

CICI will continue to work with the Governor's office and regulators on this issue, but
you to be aware of the actions which are being taken by the State of Illinois. The cons
this action has significant ramifications for the entire industry.

Note: Over 2 million pieces of medical equipment, devices, gauzes, etc. are sterilized
Oxide every day in Illinois – Ethylene Oxide is a miracle product which has prevented
cases of fungal, bacterial and viral infections. Shutdown of this facility will create seric
hospitals and medical device manufacturers that depend on EO all in the name of saf
healthcare industry.

1400 E. Touhy Ave, Suite 110
Des Plaines, IL 60018
Tel: (847) 544-5995
Fax: (847) 544-5999

<image003.jpg>

This email was sent to
mbrainerd@brainerdchemical.com by mbiel@cicil.net

Chemical Industry Council of Illinois • 1400 E. Touhy Ave., Suite 110, Des Plaines, Illinois 60018, United States • 847-544-5995 or 217-522-5805

Remove My Email or Manage Preferences • Privacy Policy

<image004.jpg>

<~WRD000.jpg>

Message

From: Karen J. Ayala [kayala@dupagehealth.org]
Sent: 10/5/2018 7:15:16 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: Re: Request for Formal Recommendations

Clint
I appreciate the confirmation and your assistance. Karen

Karen J Ayala
Please excuse brevity and typos.
Sent on iPhone.

From: Woods, Clint <woods.clint@epa.gov>
Sent: Friday, October 5, 2018 2:13 PM
To: Karen J. Ayala
Cc: Davis, Alison
Subject: RE: Request for Formal Recommendations

Karen,

Thanks so much for DuPage County's recent request for recommendations for groundwater concerns in Willowbrook, IL. I wanted to make sure to acknowledge receipt of this request and let you know that we have gathered a group of EPA experts from the Agency's Office of Water (Office of Ground Water and Drinking Water), Office of Air and Radiation (Office of Air Quality Planning and Standards) and Region 5 to quickly assess the scientific information available in regard to any potential groundwater impacts in Willowbrook. We hope to be in touch with more information shortly.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

For up to date news and information on the DuPage County Health Department, please follow us on Twitter @DuPageHD and become a fan on Facebook.

DUPAGE COUNTY
HEALTH DEPARTMENT

E-MAIL CONFIDENTIALITY DISCLAIMER:

The contents of this e-mail message and any attachments are intended solely for the addressee(s) and may contain confidential and/or legally privileged information. The authorized recipient of this e-mail is prohibited from disclosing it to any party, unless required to do so by law or regulation, and may be required to destroy the transmission after its need has been fulfilled. If you are not the intended recipient, you should not disclose, copy, distribute, store or take any action in reliance on this message and any attachments. If you have received this e-mail in error, please notify the sender through a reply e-mail; and delete this message and any attachments.

DuPage County Health Department

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/7/2018 4:08:12 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Chronolgy of EO Events
Attachments: sterigenics - eo chronology of events 9.7.18.pdf

Clint -- attached is the chronology I referenced.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

This e-mail and any files transmitted with it may contain privileged and/or confidential information. If you believe this e-mail or any of its attachments were not intended for you, you must not use, distribute, forward, print or copy this e-mail or any attached files. If you have received this e-mail in error, please notify the sender by reply e-mail and then immediately delete the email and all attachments.

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 10/5/2018 4:00:25 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: RE: Clint - please review

Will add that, and Kelly will send. Thanks so much.

From: Woods, Clint
Sent: Friday, October 05, 2018 11:54 AM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: RE: Clint - please review

Sorry for delay – This is great. Only thing we may want to include **Deliberative Process / Ex. 5**

From: Davis, Alison
Sent: Thursday, October 4, 2018 5:36 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: Clint - please review

Hi Clint,
Kelly asked me to send this to you for your comments. Her goal is to send it to Mayor Trilla tomorrow with a note asking whether it provides enough detail – or if they need additional information. If he's OK with this level of information, we could post it to the Web.

Please copy both of us with edits. Kelly's out tomorrow, so I'll make changes.

Thanks.
Alison

Alison Davis
Acting Director
Policy Analysis & Communications Staff
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Mobile: 919-624-0872

DANIEL LIPINSKI
3rd District, Illinois
www.lipinski.house.gov

2346 Rayburn House Office Building
Washington, DC 20515-1303
(202) 226-5701
(202) 225-1012 Fax
Toll Free from IL (866) 822-5701

Congress of the United States
House of Representatives
Washington, DC 20515-1303

COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE

COMMITTEE ON SCIENCE, SPACE, AND TECHNOLOGY
RESEARCH AND TECHNOLOGY, RANKING MEMBER

September 28, 2018

Mr. Scott Brunson
Vice President of Operations
Elé Corporation
7847 West 47th Street
McCook, IL 60525

Dear Mr. Brunson:

I am writing to express concern about elevated cancer risk shown on the United States Environmental Protection Agency's (USEPA's) 2014 National Air Toxics Assessment (NATA) in Lyons and McCook, Illinois, near your facility. The majority of the modeled cancer risk derives from ethylene oxide (EtO), a chemical that, according to USEPA, your company emits to the air. As you are aware, in 2016, USEPA updated its assessment of cancer risk due to EtO exposure, increasing the estimate by a factor of 30 since the previous update in 1985. The 2014 NATA, released this year, uses the new risk estimate, and therefore shows significantly higher cancer risks around EtO-emitting facilities than previous assessments.

I understand that you recently conducted preliminary testing that indicated that your emissions of EtO are much lower than the estimates used in the 2014 NATA, but that because of the manner in which the test was conducted, these results are not conclusive for regulatory purposes. I urge you to conduct a follow-up test as soon as possible, following a protocol approved by USEPA and/or Illinois EPA for regulatory purposes, and with observers from one or both agencies present. Should these tests demonstrate that emissions of EtO from your facility do indeed pose an elevated cancer risk to the surrounding community, I urge you to take immediate action to remedy this threat.

I have been in contact with the USEPA, the Illinois Environmental Protection Agency, and the Agency for Toxic Substances and Disease Registry regarding this issue and am closely monitoring the situation. While the federal and state environmental protection agencies have confirmed that your company is operating within the limits of its emissions permit, my primary concern is for the health and welfare of my constituents, and it is with this in mind that I request your urgent attention to this matter.

6245 South Archer Avenue
Chicago, IL 60638
(312) 888-4481
(773) 767-9396 Fax

5210 West 95th Street #104
Oak Lawn, IL 60453
(708) 424-0853
(708) 424-1855 Fax

222 East 9th Street #109
Lockport, IL 60441
(815) 838-1980
(815) 838-1993 Fax

14700 South Ravinia Avenue
Orland Park, IL 60462
(708) 403-4379
(708) 403-5863 Fax

PRINTED ON RECYCLED PAPER

Should you have any questions, please contact Joel Creswell in my Washington, DC office at 202-225-5701 or joel.creswell@mail.house.gov.

Sincerely,

Daniel W. Lipinski
Member of Congress

Cc: Kathy Stepp, Administrator, USEPA Region 5
Alec Messina, Director, Illinois Environmental Protection Agency
Mark Johnson, Director, Agency for Toxic Substances and Disease Registry, Region 5

Message

From: Rimer, Kelly [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=123A21A46D0E4E53A590798CDCC3FB47-KRIMER]
Sent: 10/5/2018 3:59:43 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Re: Clint - please review

Great

Thanks for the review Clint.

On Oct 5, 2018, at 11:54 AM, Woods, Clint <woods.clint@epa.gov> wrote:

> Sorry for delay – This is great. Only thing we may want to include Deliberative Process / Ex. 5 Willowbrook page.
>
> ---
>
> **From:** Davis, Alison
> **Sent:** Thursday, October 4, 2018 5:36 PM
> **To:** Woods, Clint <woods.clint@epa.gov>
> **Cc:** Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
> **Subject:** Clint - please review
>
> Hi Clint,
> Kelly asked me to send this to you for your comments. Her goal is to send it to Mayor Trilla tomorrow with a note asking whether it provides enough detail – or if they need additional information. If he's OK with this level of information, we could post it to the Web.
>
> Please copy both of us with edits. Kelly's out tomorrow, so I'll make changes.
>
> Thanks.
> Alison
>
> ---
> Alison Davis
> Acting Director
> Policy Analysis & Communications Staff
> US EPA, Office of Air Quality Planning & Standards
> Research Triangle Park, NC 27711
> Desk: 919-541-7587
> Mobile: 919-624-0872

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 9/27/2018 3:10:24 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Millett, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c067caa6c93544f78c26ab08cc567d27-Millett, John]; Bremer, Kristen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7ad6f4a11064ef08cb03aec9dc8e892-KBREMER]
Subject: RE: draft letter EtO Willowbrook
Attachments: EtO Willowbrook response Draft 7.OAQPS.docx

Minor comments back from OAQPS. Mike and Kelly have reviewed.

From: Woods, Clint
Sent: Thursday, September 27, 2018 10:28 AM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: RE: draft letter EtO Willowbrook

All,

Latest version attached, which contains feedback from OCIR as well as direction from the Administrator's Office regarding ambient monitoring. Goal is Bill's signature by noon, so please let me know on any red flags as soon as possible.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Woods, Clint
Sent: Wednesday, September 26, 2018 5:47 PM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: Re: draft letter EtO Willowbrook

Thanks so much! Still negotiating with OCIR on next steps

On Sep 26, 2018, at 5:32 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

> Here you go. Let us know if you have questions

From: Woods, Clint
Sent: Wednesday, September 26, 2018 5:27 PM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: DeLuca, Isabel <DeLuca.Isabel@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>
Subject: Re: draft letter EtO Willowbrook

Any additional feedback on this front? Thanks!

On Sep 26, 2018, at 2:11 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

> Got it. We'll look. Will circle with Mike as soon as he is out of meeting.
>
> **From:** DeLuca, Isabel
> **Sent:** Wednesday, September 26, 2018 2:06 PM
> **To:** Woods, Clint <woods.Clint@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Millett, John <Millett.John@epa.gov>
> **Subject:** draft letter EtO Willowbrook
> **Importance:** High
>
> Hi Clint and team,
> OCIR has asked us to develop a draft narrative response to recent Congressional inquiries about EtO levels in Willowbrook, and requests for ambient air monitoring. The hope is that we could send ASAP, post online, and issue a press release to point to the letter.
>
> Attached is a rough first draft. I am sending for concurrent review because of the tight timeline. OAQPS will need to review for accuracy and consistency with past statements (e.g. on canister vs stack testing). Alison—there is a placeholder where I hope you can drop in the previously approved language on our national approach.
>
> Clint—if I veered from the direction we discussed earlier, please jump in. If these are the right bones, then you can do a closer look once OAQPS has weighed in.
>
> Personal Matters / Ex. 6
>
> Personal Matters / Ex. 6 But now you are all looped in so you can communicate directly. (please cc me though, so I can keep up to date)
>
> Thanks,
> Isabel
>
> **Isabel DeLuca**
> Office of Air and Radiation, US EPA
> (202) 343-9247

<EtO Willowbrook response Draft 4..docx>

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/6/2018 10:32:23 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Request to Meet - Sterigenics Willowbrook

Importance: High

Clint – any chance I could get 30 minutes with you (and possibly Bill) tomorrow (Friday) to discuss the situation in Willowbrook? It would be very beneficial.

Thanks.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/4/2018 6:24:34 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Time for a Short Call?

Clint – do you have time for a short "catch up" call later today or tomorrow on our Willowbrook matter? Thanks.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Koerber, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9C513901D4FD49F9AB101A6F7A7A863E-KOERBER, MIKE]
Sent: 9/29/2018 8:54:29 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Bremer, Kristen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7ad6f4a11064ef08cb03aec9dc8e892-KBREMER]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Smith, Darcie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3ae3c2377efb42879b943db8796ddc05-Smith, Darcie]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Shappley, Ned [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5fc7fde372054ab5ac38f24b9072b73d-Shappley, N]; Caparoso, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=78412d4056534ef288fb8ce390b4bf17-Caparoso, J]; Witt, Jon [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ea00bc6f645b438682026a77a8d4267c-Witt, Jonat]; Cortelyou-Lee, Jan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=75b1eec7b16e46d5b9114935fc6a771e-JCORTELY]; Jones, Rhea [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=8d213054092e4312bf031a52d13aafb8-RJONES02]; Riha, Kristin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bafc89833bc04298ba8bf264d49f7d26-Riha, Kristin]
CC: Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]; Sasser, Erika [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=477638fe84004800bfdf8e62fe3cafc8-ESASSER]; Cozzie, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ee8c3582a39d4d81ac38f29a2b3abb2d-DCOZZIE]
Subject: Follow-up Items from September 28 Meeting in Chicago
Attachments: EPA Action Plan Version 1.0.docx

Here is my list of follow-up items from Friday's meeting (Clint, Kelly – feel free to modify). Let's talk about this on Monday.

1. Prepare simple health statement (PACS, HEID)

2. Respond to questions asked during meeting (and follow-up questions) (PACS to coordinate)

3. Draft action plan – see attached initial draft

4. Prepare modeling plan (HEID, AQAD)

5. Prepare monitoring plan (AQAD)

6. Arrange follow-up calls/meetings
    a. Schedule call with consultant for Village of Willowbrook (Mike)
    b. Schedule check-in call with local elected officials (Region 5?)
    c. Schedule community meeting (OID?)

7. Discuss available statutory authorities – with Illinois EPA?

Message

From: Nam, Ed [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A2653F1DDD59470688BA557DD84D9690-NAM, ED]
Sent: 9/4/2018 5:53:47 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Payne, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=61b3204a683041079512b122c580a569-Payne, Jame]
Subject: Re: Sterigenics call this afternoon

Thanks. I sent out a call in number for 5 minutes.

Ed

Sent from my iPhone

On Sep 4, 2018, at 11:00 AM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

> Same here
>
> ---
>
> **From:** Woods, Clint
> **Sent:** Tuesday, September 04, 2018 11:59 AM
> **To:** Nam, Ed <nam.ed@epa.gov>
> **Cc:** Koerber, Mike <Koerber.Mike@epa.gov>; Payne, James <payne.james@epa.gov>
> **Subject:** Re: Sterigenics call this afternoon
>
> Yes - I can be available after 2:00 Eastern. Please let me know what works best
>
> On Sep 4, 2018, at 11:43 AM, Nam, Ed <nam.ed@epa.gov> wrote:
>
>> Clint, Mike,
>>
>> Can Jim Payne and I have a short call with you and this afternoon re: Sterigenics? We can work around your schedule.
>>
>> Thanks,
>> -Ed

Appointment

From: Nam, Ed [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A2653F1DDD59470688BA557DD84D9690-NAM, ED]
Sent: 9/4/2018 5:38:15 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Payne, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=61b3204a683041079512b122c580a569-Payne, Jame]

Subject: Sterigenics
Location: Conf Personal Phone / Ex. 6

Start: 9/4/2018 6:00:00 PM
End: 9/4/2018 6:30:00 PM
Show Time As: Tentative

Appointment

From: Thiede, Kurt [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=3CC09FAC5ACC4CE1BA689FB2CE70D459-THIEDE, KUR]
Sent: 8/27/2018 1:44:13 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]

Subject: Accepted: General Discussion re: Willowbrook, IL
Location: WJC - N 5415 + Personal Phone / Ex. 6

Start: 8/27/2018 4:15:00 PM
End: 8/27/2018 4:45:00 PM

Recurrence: (none)

Appointment

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 11/9/2018 2:10:50 PM
To: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]

Subject: Canceled: Phone call with Phil Macnabb re: Sterigenics (confirmed)
Location: WJC - N 5400 + Personal Phone / Ex. 6

Start: 11/12/2018 9:00:00 PM
End: 11/12/2018 9:30:00 PM
Show Time As: Free

Importance: High

Recurrence: Weekly
every Monday from 4:00 PM to 4:30 PM

TO: Bill Wehrum, David Harlow, Clint Woods, Mandy Gunasekara

Note: This meeting was scheduled out of a phone call with Phil MacNabb. We called him back to confirm the phone call.

DUPAGE COUNTY
HEALTH DEPARTMENT
Everyone, Everywhere, Everyday

111 N. County Farm Rd., Wheaton, IL 60187

October 2, 2018

Cathy Stepp
Regional Administrator
United States Environmental Protection Agency Region 5
Ralph Metcalfe Federal Building
77 West Jackson Blvd.
Chicago, IL 60604-3590

Re: Groundwater quality concerns in vicinity of 7775 S. Quincy Street, Willowbrook, IL 60527

Dear Administrator Stepp,

I am writing to request your agency's assistance in providing answers and recommendations to concerns and questions associated with Sterigenics, 7775 S. Quincy Street, Willowbrook, Illinois 60527 (Facility). As you are aware, the Facility is a business that sterilizes medical equipment and products using ethylene oxide. The Agency for Toxic Substances and Disease Registry sent a letter to the United States Environmental Protection Agency dated August 21, 2018 outlining the results of their analysis of health risks associated with ethylene oxide gas from the above Facility. Release of the letter has resulted in significant concerns by local residents and local government officials about actual health impacts to residents in the vicinity of the Facility.

One particular area of concern that has arisen is in regard to groundwater impacts in the area around the Facility.

Here are several questions that I would very much appreciate your responses on to assist us in addressing locally:

1) Is there evidence of ethylene oxide or ethylene glycol in private well water near the Facility?

2) Are there identified health risks associated with ingestion of water with detectable levels of ethylene oxide or ethylene glycol?

3) Does your agency recommend sampling and testing private well water near the Facility for the presence of ethylene oxide, ethylene glycol, or any potential breakdown products associated with either chemical?

4) If sampling and testing is recommended, what additional recommendations does your agency have in regards to how to conduct the sampling and testing?

   a. Initially, how many private water wells should sampled and tested?
   b. Which analytical test method is preferred?
   c. Is there a recommended detection limit?
   d. Are there any particular laboratories recommended to conduct the testing?
   e. Are there are any sampling precautions or recommendations?
   f. Are there any standards to apply to any detectable levels of chemicals that might be discovered?
   g. Is there any funding available for such sampling and testing?

A prompt response to the above concerns will be greatly appreciated as time is of the essence.

Thank you for your concern, support, and assistance. Please feel free to contact me with any questions.

Sincerely,

Karen J. Ayala
Executive Director
DuPage County Health Department

Cc: Dr. Mark Johnson, CDC-ASTDR
Tom Poy, USEPA

Message

From: Koerber, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9C513901D4FD49F9AB101A6F7A7A863E-KOERBER, MIKE]
Sent: 10/19/2018 9:39:57 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Update

Clint - We just finished our heads up calls for a few elected officials in IL. As a follow-up, Alison sent the response below to Matthew Davis in case there is a desire to have further interaction. (Note, because you were traveling, I okayed the response below late yesterday and Nancy approved it this morning.) Please let me know if you want to know more.

Mike

Sent from my iPhone

On Oct 18, 2018, at 6:12 PM, Rimer, Kelly <Rimer.Kelly@epa.gov> wrote:

> Clint,
>
> Can you take a look at this response to Michael Hawthorne's questions?
>
> We said we'd respond by COB today.
>
> Thanks
> Kelly
>
>
> Begin forwarded message:
>
> > **From:** "Davis, Alison" <Davis.Alison@epa.gov>
> > **Date:** October 18, 2018 at 6:10:01 PM EDT
> > **To:** "Rimer, Kelly" <Rimer.Kelly@epa.gov>
> > **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> > **Subject: Please move for clearance**
> >
> > Kelly – per our discussion.
> >
> > **Vantage Specialty Chemicals reported emitting 2,607 pounds of ethylene oxide to the Toxics Release Inventory in 2014, but when Illinois EPA gave U.S. EPA data for the 2014 National Emissions Inventory, Illinois EPA listed ZERO pounds of ethylene oxide from Vantage . As a result, the modeled cancer risks in Lake County were significantly lower than what the risk level would be if the Vantage emissions had been included. Why/how did this happen? What does U.S. EPA plan to tell concerned citizens near Vantage in light of the intense public interest and outcry involving Sterigenics in Willowbrook?**
> >
> > **Will EPA model dispersion of EtO emissions from Vantage, similar to what it plans to do with Sterigenics? If not, why? This is an important question given**

the fact that Vantage reported emitting 11,541 lbs of EtO to TRI in 2016, compared to 4,205 pounds of EtO repoted to TRI by Sterigenics. As in Willowbrook, several thousand people live in close proximity to Vantage.

What specifically is U.S. EPA doing to follow up on the elevated cancer risks in Lake County census tracts near Medline Industries in Waukegan? According to data provided by Illinois EPA for the National Emissions Inventory, Medline emitted about 3,000 pounds of ethylene oxide in 2014, second only to Sterigenics in Willowbrook.

Is U.S. EPA planning to request an ATSDR consultation in Lake County, similar to the one conducted in the Willowbrook area? If not, why?

EPA is examining emissions information from both facilities to determine potential next steps.

The agency has been in discussions with Vantage Specialties regarding its ethylene oxide emissions. Vantage has informed us that it previously reported emissions to TRI that were significantly higher than the facility's actual emissions. Vantage's 2017 TRI ethylene oxide emissions are 918 pounds. Vantage also has indicated that it will be submitting corrections to its past TRI emissions data.

Vantage has shared its recent emission calculations, and EPA is working to review its methodology for those – specifically its calculations for fugitive emissions. EPA will review that information, along with information from a 2017 stack test the company conducted with Illinois EPA approval.

EPA is also in discussions with Medline regarding its emissions, which will be sending updated information to EPA. Medline currently does not have backvent controls and is working to add those to its facility. Once competed, these controls are expected to reduce the facility's emissions.

At this time, EPA has not requested a letter consult from ATSDR. We are focused on determining the facilities' emissions and whether additional steps to reduce them are necessary.

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 11/30/2018 7:04:09 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: CLINT - Checking in FW: please review
Attachments: 2018Nov28Version v2-'Overblown'EtORisks.docx

Hi Clint – here's the additional info.
The meeting is with the Illinois Chemical Industry Council – the RA is apparently trying to give a heads up on ETO issues – prompted by the oped below. They are pinging for an answer. The paper would be used for talking points

I am at the airport so will call you to flag as a heads up

https://chicago.suntimes.com/environment/ethylene-oxide-exposure-willowbrook-epa-cancer/
Letters to the Editor
11/13/2018, 04:33pm
Concerns about ethylene oxide exposure are overblown

The issue of ethylene oxide — a chemical used to sterilize medical equipment and produce everyday products used in your home or vehicle — has two sides.

Overlooked by news reports is this: How did the U.S. Environmental Protection Agency reach an implausible risk level for human exposure to EO?

Most human exposure to EO is from vehicle exhaust, cigarette smoke, cooking oils and plant decay. How did the U.S. EPA set a risk level for EO of 1 part per 10 trillion, or one raindrop in 160 Olympic-size swimming pools?

The U.S. EPA's exposure level is 1,600 times lower than EO exposure from plant decay, 19,000 times lower than the EO the human body produces each day, 188,000 times lower than EO exposure from smoking cigarettes and 250 million times lower than EO exposure from cooking oils heated to 300 degrees.

The U.S. EPA would have you believe everyday living would cause cancer. Perhaps this is why the National Academy of Sciences has questioned the U.S. EPA's process for assessing the safety of chemicals.

Moreover, when sampling air around Willowbrook, the Agency for Toxic Substances and Disease Registry admitted it threw out 21 of 39 samples due to low readings, essentially cherry-picking data.

The U.S. EPA did no sampling elsewhere in the Chicago area to compare background levels of EO. Since Willowbrook is sandwiched between I-55 and I-294 — known for constant traffic backups —

wouldn't it have made scientific sense to sample other locations with high concentrations of motor vehicle exhaust?

The ATSDR married its cherry-picked EO readings to the U.S. EPA's flawed EO exposure limits — along with an unrealistic assumption that a person would never leave home for 33 years. Doing so stigmatized the Village of Willowbrook, needlessly frightened its citizens, put employees' jobs in jeopardy and blackballed a facility known for sterilizing a significant portion of the medical equipment used in the Chicago area. It's regulator malpractice.

Mark Biel, CEO, Chemical Industry Council of Illinois
Mark Denzler VP/COO, Illinois Manufacturers' Association

From: Davis, Alison
Sent: Thursday, November 29, 2018 3:38 P-
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: please review

Clint – this is a hot issue paper Region 5 has drafted for the RA. Please have a look and send any edits. I think tomorrow would be fine.
This file reflects some edits from Kelly.

Thanks.

Alison

Appointment

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 11/2/2018 6:19:02 PM
To: Harlow, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b5a9a34e31fc4fe6b2beaddda2affa44-Harlow, Dav]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]

Subject: Phone call with Phil Macnabb re: Sterigenics (confirmed)
Location: WJC - N 5400 + Deliberative Process / Ex. 5

Start: 11/5/2018 9:00:00 PM
End: 11/5/2018 9:30:00 PM
Show Time As: Tentative

Recurrence: Weekly
every Monday from 4:00 PM to 4:30 PM

TO: Bill Wehrum, David Harlow, Clint Woods, Mandy Gunasekara

Note: This meeting was scheduled out of a phone call with Phil MacNabb. We called him back to confirm the phone call.

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 10/4/2018 9:43:59 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Please review - R5 suggested edits on paper for Administrator
Attachments: Eto and WIllowbrook.Draft briefing paper for Administrator. 10.4.18 with R5 edits .docx

Flag: Flag for follow up

Hi Clint,
We shared the briefing paper for Acting Administrator Wheeler with Region 5, which has suggested a few edits. Most are minor, and we are fine with those. I've put them all in bold so you can see them.

I'm especially interested in your feedback on an addition on page 1, and one on page 3. Those are highlighted in gray.

Please let me know if you're OK with these or you have edits. We'll send an updated version to the air team in OCIR in the morning.

Thanks so much.

-Alison

Alison Davis
Acting Director
Policy Analysis & Communications Staff
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Mobile: 919-624-0872

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/30/2018 5:34:15 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: more coverage

Clint – this is just to keep you informed on our Willowbrook situation. As you would have expected, the town hall meeting last night was a circus.

https://www.sterigenicswillowbrook.com/https://www.sterigenicswillowbrook.com/

http://www.chicagotribune.com/suburbs/burr-ridge/news/ct-dbr-willowbrook-sterigenics-public-reaction-tl-0906-story.html

"I do not trust you people." Cancer concerns in Willowbrook. EPA and CDC experts begin a community meeting discussing rigorous testing at Sterigenics International. But angry residents blast the company. "Shame on you," one woman shouts.

*****

Alderman Tom Chlystek @tomforrep1 15h15 hours ago

For those who went to the Willowbrook, **Sterigenics** Pollution Nightmare Meeting , and spoke. Thanks you for your courage!! Remember that this company is owned @GovernorRauner who in turn donates to Republicans and leader Rep Jim Durkin who, writes laws limiting EPA communication.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/20/2018 9:40:52 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Stephen Fotis [scf@vnf.com]
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – our Sterigenics client just heard from Georgia EDP that EPA intends to release the new NATA report on Wednesday of this week. Can you confirm that?

When we spoke on the phone, you indicated that the NATA report would not be released until HQ and the Regions agreed upon a communications strategy to attempts to put the IRIS EO risk assessment in the proper context. I assume that has occurred. Is there any chance we could get an advance look?

Thanks, Clint.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

From: Tom Roberts
Sent: Friday, August 10, 2018 9:24 AM
To: 'Woods, Clint'
Cc: Stephen Fotis
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – thank you again for your time last week to discuss IRIS and EO. I found it quite helpful although it did demonstrate to me how much more I have to learn about these issues.

I wanted to follow up on a couple of matters. First, attached for your review is a presentation on how EO is used in Sterigenics' Willowbrook, Illinois sterilization facility. This presentation was given to the Region 5 staff when they toured the facility in July. In addition to describing the sterilization process, the presentation also includes a description of the changes that are being made at the facility that will reduce EO emissions by some 97% below their current levels.

Second, I have a question regarding the ATSDR risk assessment that we discussed. Is that assessment a "generic" EO assessment or is it specific to Sterigenics' Willowbrook facility? I ask because the client thought she heard from Region V staff that it was facility specific.

If you have any questions about the presentation or otherwise, please do not hesitate to contact me.

Thank you.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

From: Stephen Fotis
Sent: Monday, July 30, 2018 12:59 PM
To: 'Woods, Clint'
Cc: Tom Roberts
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – Many thanks for talking with Tom Roberts and me this morning. I am providing below Tom's contact information below for your reference.

We look forwarding to keeping in touch on the ethylene oxide issue.
Best,
Stephen

Tom Roberts
Member
Van Ness Feldman, LLP
1050 Thomas Jefferson Street, NW
7th Floor
Washington, DC 20007-3877
Phone: (202) 298-1930
Mobile: (202) 365-7750
Fax: (202) 338-2416
E-mail: tcr@vnf.com

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

From: Stephen Fotis
Sent: Monday, July 30, 2018 11:02 AM
To: 'Woods, Clint'
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Thanks. Look forward to talking at 11:30 AM.
S.

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

From: Woods, Clint [mailto:woods.clint@epa.gov]
Sent: Monday, July 30, 2018 10:58 AM
To: Stephen Fotis
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Thanks so much – That number ought to work.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Stephen Fotis [mailto:scf@vnf.com]
Sent: Monday, July 30, 2018 10:35 AM
To: Woods, Clint <woods.clint@epa.gov>
Subject: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – I am following up on our brief conversation of this morning. Unless we hear otherwise for you, Tom Roberts and I will call you at 11:30 AM this morning on the ethylene oxide issue. Should we call you at (202) 564-6562 or there is another preferred number.
Many thanks for making time this morning to talk.
Best,
Stephen

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 10/19/2018 5:45:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Ethylen Oxide Going National

Importance: High

Clint - since I have been unsuccessful in connecting via phone, I thought I would try email.

I assume you all are aware that the ethylene oxide issue is becoming a matter of public discourse beyond just the Sterigenics facility in Willowbrook.

- Illinois State Senator John Curran is proposing legislation to phase out and ban the manufacture and use of ethylene oxide in Illinois by 2022.

- This article concerns a Dow/Union Carbide facility in Louisiana.

https://na01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnew.eureka.cc%2Faccess%2Fkey%2Fdefault.aspx%3FEvent%3DLoadTopics%26Auth%3D28a81995-db66-4d64-b378-2e94bbac9543%26ThemeID%3D24635567%26GI2%3D0%26TI2%3D24635568%26LoadDoc2%3D878529414%26FolderGroup%3D64%26LangID%3D2&data=02%7C01%7Ckgibbs%40soterahealth.com%7C14a1558ab27741f89c7408d635be9b3d%7Cf4b2771078204e9182f157bc58d2de41%7C0%7C0%7C636755490115106735&sdata=oFs1%2FlNQo9BU%2FNF11OYU7O5%2FwHkpUf2AIQAdTUdvzeI%3D&reserved=0

- We are advised that there will be a significant article in the Sunday Chicago Tribune regarding a company – Vantage – that for some reason is not identified in the NATA report but has reported substantial EO emissions in the past.

- Erin Brokovich was in Chicago yesterday giving a speech and was confronted by the "Stop Sterigenics" group out of Willowbrook. She basically told them that Sterigenics should be shut down but that they were not going to make any progress until they made EO a "national" issue.

Clif, if you have 10 minutes to give me a call, I would really appreciate it. We sent the final stack test reports to your folks last night and I would like to discuss how you see the next steps, timing, etc.

Thank you.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 11/8/2018 11:21:59 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: RE: ACTION: PRESS -- Please review

Got them – they are checking

From: Woods, Clint
Sent: Thursday, November 08, 2018 6:09 PM
To: Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: RE: ACTION: PRESS -- Please review

For question 3, could we add Deliberative Process / Ex. 5 c?

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Davis, Alison
Sent: Thursday, November 8, 2018 6:03 PM
To: Woods, Clint <woods.clint@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: ACTION: PRESS -- Please review
Importance: High

Here is the question from the R5 reporter. I asked their press office if they could update the Vantage/Medline section (see below) but have not heard back.

The reporter is Greg Harutunian from Chronicle Media - an online publication covering 14 Illinois counties.

Please review

---The TRI and cancer risk map came out Aug.16, when was the village of Gurnee contacted?

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

---Ethylene Oxide was changed from potential carcinogen to known carcinogen Dec. 2016, per IEPA. The two Lake County companies were not required to report it as their production output was below the threshold. Are you changing the standards?

Deliberative Process / Ex. 5

---Is the Federal EPA meeting with IEPA, Illinois Attorney General, and the two companies to resolve issues? If so, when did those talks begin? ---What is the status of all this?

Deliberative Process / Ex. 5

---It appears standards for the carcinogen did not require reporting from the two companies so IEPA entered "0" on their report to you. If all this is the wrong scenario, what is the actual timeline and what transpired?

Deliberative Process / Ex. 5

Appointment

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 9/24/2018 8:48:01 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]

Subject: Meeting with Sterigenics (confirmed)
Attachments: CONFIRMED RE: Request on Behalf of Sterigenics for Meeting with AA Wehrum / Deputy AA Woods
Location: WJC - N 5400

Start: 9/26/2018 5:00:00 PM
End: 9/26/2018 5:45:00 PM
Show Time As: Tentative

TO: Bill Wehrum, Clint Woods

Meeting attendees (in person)

- Philip Macnaab, President, Sterigenics
- Kathy Hoffman, Senior Vice President, Sterigenics
- Byron Taylor, Sidley Austin, Outside Environmental Counsel to Sterigenics
- Tom Roberts, Van Ness Feldman, Outside Government Relations Counsel to Sterigenics

CONFIRMED RE:
Request on Beha...

Message

From: Koerber, Mike [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9C513901D4FD49F9AB101A6F7A7A863E-KOERBER, MIKE]
Sent: 10/16/2018 12:26:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Proposal for the Willowbrook community meeting.
Attachments: Willowbrook Community meeting plan 101118clean.docx

Flag: Flag for follow up

Clint: Here is a straw proposal for the community meeting. Laura has her next planning call with the community workgroup on Thursday morning. Let me know if you'd like us to walk you through this before then – should only take about 15 minutes. We will include an update on this when we meet with Bill on Thursday afternoon.

Mike

From: Mckelvey, Laura
Sent: Tuesday, October 16, 2018 8:24 AM
To: Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Proposal for the Willowbrook community meeting.

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 11/8/2018 11:11:49 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: RE: ACTION: PRESS -- Please review

Happy to - Trying to find the region to provide that info. I don't have at my fingertips

---

From: Woods, Clint
Sent: Thursday, November 08, 2018 6:09 PM
To: Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: RE: ACTION: PRESS -- Please review

For question 3, could we add i Deliberative Process / Ex. 5

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Davis, Alison
Sent: Thursday, November 8, 2018 6:03 PM
To: Woods, Clint <woods.clint@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: ACTION: PRESS -- Please review
Importance: High

Here is the question from the R5 reporter. I asked their press office if they could update the Vantage/Medline section (see below) but have not heard back.

The reporter is Greg Harutunian from Chronicle Media - an online publication covering 14 Illinois counties.

Please review

---The TRI and cancer risk map came out Aug.16, when was the village of Gurnee contacted?

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

---Ethylene Oxide was changed from potential carcinogen to known carcinogen Dec. 2016, per IEPA. The two Lake County companies were not required to report it as their production output was below the threshold. Are you changing the standards?

Deliberative Process / Ex. 5

---Is the Federal EPA meeting with IEPA, Illinois Attorney General, and the two companies to resolve issues? If so, when did those talks begin? ---What is the status of all this?

Deliberative Process / Ex. 5

---It appears standards for the carcinogen did not require reporting from the two companies so IEPA entered "0" on their report to you. If all this is the wrong scenario, what is the actual timeline and what transpired?

Deliberative Process / Ex. 5

Appointment

From: Rakosnik, Delaney [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=274573739A9F446883072599086EDEDD-RAKOSNIK, D]
Sent: 9/24/2018 6:09:17 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]

Subject: Meeting with Chairman Cronin, DuPage County, Illinois
Attachments: RE: Meeting request
Location: WJC - N 5400 + Video with RTP C430 Personal Phone / Ex. 6

Start: 9/26/2018 1:30:00 PM
End: 9/26/2018 2:00:00 PM
Show Time As: Tentative

TO: Bill Wehrum, Clint Woods

Meeting Attendees (in person):

- Dan Cronin, Chairman of DuPage County, IL Board
- Mr. Monroe, DuPage county lobbyist

RE: Meeting request

Message

From: Federal Register Subscriptions [subscriptions@mail.federalregister.gov]
Sent: 8/20/2018 12:50:08 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: [FR] Public Inspection Documents from Environmental Protection Agency

subscription results for Monday, August 20th, 2018 12 matching public inspection documents

Public Inspection Documents from Environmental Protection Agency

Regular Filing updated at 08:45 AM, on Monday, August 20, 2018

Environmental Protection Agency

Rules

Air Quality State Implementation Plans; Approvals and Promulgations: Alabama; Redesignation of the Etowah County Unclassifiable Area

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-18034

PDF 8 Pages *(174 KB)*
Permalink

Arizona; Infrastructure Requirements for Nitrogen Dioxide and Sulfur Dioxide

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17931

PDF 20 Pages *(484 KB)*
Permalink

Virginia; Regional Haze Plan and Visibility for the 2010 Sulfur Dioxide and 2012 Fine Particulate Matter Standards

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17448

PDF 14 Pages *(205 KB)*
Permalink

National Oil and Hazardous Substances Pollution Contingency Plan; National Priorities List:

Deletion of the Ordnance Works Disposal Areas Superfund Site

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-18032

PDF 4 Pages *(146 KB)*
Permalink

Proposed Rules

Air Quality State Implementation Plans; Approvals and Promulgations:

Ohio; Attainment Plan for the Lake County SO2 Nonattainment Area

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17930

PDF 50 Pages *(233 KB)*
Permalink

Notices

Agency Information Collection Activities; Proposals, Submissions, and Approvals:

Background Checks for Contractor Employees

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17873

PDF 3 Pages *(133 KB)*
Permalink

Emission Guidelines for Sewage Sludge Incinerators

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17871

PDF 4 Pages *(195 KB)*
Permalink

Emissions Certification and Compliance Requirements for Nonroad Compression-ignition Engines and On-Highway Heavy Duty Engines

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17984

PDF 5 Pages *(198 KB)*
Permalink

Exchange Network Grants Progress Reports

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17872

PDF 3 Pages *(264 KB)*
Permalink

NSPS for Polymeric Coating of Supporting Substrates Facilities

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17874

PDF 3 Pages *(193 KB)*
Permalink

Proposed Settlement Agreements under the Clean Water Act

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-17923

PDF 6 Pages *(118 KB)*
Permalink

Settlement Agreement:
Eagle Mine Superfund Site, Minturn, Eagle County, CO

Filed on: 08/20/2018 at 08:45 am
Scheduled Pub. Date: 08/21/2018
FR Document: 2018-18033

PDF 3 Pages *(92.3 KB)*
Permalink

Subscribe to Any Search Result

Did you know that you can subscribe to any searc result? After performing any search on FederalRegister.gov you can choose to receive any future documents that match your search via email. Jusubscriptions include Documents on Public Inspection, click the subscribe button on the right side of the searNewly Published Documents, and Documents Deemed box. Significant.

Subscribe to an Agency's Documents

From any agency page on FederalRegister.gov you can choose to receive email updates of new documents from that agency. Choices of

Follow Federal Register on Twitter | Like Federal Register on Facebook

Privacy
FederalRegister.gov uses your email address to enable you to receive email notifications according to your preferences. We retain only the only the personally identifiable information minimally necessary to operate the MyFR service. For more information, please read our Privacy and Security Policy.

Manage my subscriptions | Unsubscribe from these results

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/5/2018 7:19:50 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: EO - Region 5 and ATSDR

Clint – just a quick question. The ATSDR letter report states that Region 5 asked ATSDR to evaluate two sites – the Sterigenics' facility in Willowbrook and the Ele' Corporation site in McCook.

We are well aware of the ATSDR evaluation of the Sterigenics facility and the controversy it has caused, but we have seen absolutely nothing about a similar evaluation of the Ele' Corporation. Are you aware or can you determine whether ATSDR prepared an evaluation of Ele' and, if so, why that report has not been made public?

We certainly do not want to subject Ele' to the same public reaction that Sterigenics is experiencing, but it would be nice to know if / why Sterigenics has been treated differently?

Thanks, Clint.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Mayor Mickey [Mickey@mayormickey.com]
Sent: 10/4/2018 6:54:18 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Douglas Pollock [DPOLLOCK@BURR-RIDGE.GOV]
Subject: From Mayor Mickey Straub re: Sterigenics Health Scare

Hi Clint,

I know you are incredibly busy, but I am checking in to see if you are still able to send me that statement that you suggested last Friday on the way to the airport? The cause of most conflicts goes back to the lack of communication. I think that our residents and all those affected by the health scare around the Sterigenics facility need (and deserve) some clarification.

I am not sure exactly what you were thinking, but my thoughts on what a statement of clarification might include are:

1. How to interpret ATSDR report?
2. The percentage of emissions?
3. The degree of exposure that would be necessary to cause cancer?
4. The chance and types of cancer that were in the report?
5. When we can expect to hear from the EPA on tests and results?

These are just some ideas and I'm not sure if this is beyond the scope you were thinking? I think that our residents really need to hear your 1 part per trillion analogy and how it was only after 70 years of 24 hour exposure that any increase of cancer was likely.

Please confirm receipt and keep us in the loop.

All the best, Mickey

Mickey Straub
Mayor | Village of Burr Ridge
7660 S. County Line Road, Burr Ridge, IL 60527
MStraub@Burr-Ridge.gov
Mickey@MayorMickey.com
Village: 630-654-8181

From: Mayor Mickey <mickey@mayormickey.com>
Sent: Saturday, September 29, 2018 8:32 AM
To: woods.clint@epa.gov
Subject: Great to meet you in Chicago

Clint,

It was great to meet you at the USEPA Region 5 Meeting yesterday and I thoroughly enjoyed our conversation on the way to the airport. So much of it brought back memories to my days in Alexandria, Virginia, my old jobs at DOI and DOD and the abundance of acronyms in government circles. (Like NIOSH and Aegl's?)

As Representative Jim Durkin indicated, we have never such strong reactions from residents on any prior issue! Frankly, the fear, anxiety and hysteria has been palpable and I'm not surprised with the information and, in some cases, misinformation and misapplied information that has been posted all over the internet and is now being handed out in public venues.

Thank you again for flying in from D.C. to attend and for starting my education about some highly technical topics that are so important to our community. I found great comfort in your assurance that the EPA is now fully engaged and the head guy from DC (Sorry, didn't get his name; Phil?) assurance about Ambient Monitoring and Community Outreach.

We really do need the EPA's help to better assess the situation, communicate the facts and educate us all as soon as possible! I look forward to receiving that information/statement from you that we discussed in the near future.

Patriotically yours, Mickey

Mickey Straub
Mayor | Village of Burr Ridge
President | Sales Activity Management, Inc.

Cell: 630-669-1726

"A Very Special Place"

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/11/2018 4:59:09 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Follow Up
Attachments: sterigenics - eo - willowbrook mayor 9.10 statement.pdf

Clint – thank you again for your time this morning. As promised, attached is the Mayor's statement from last night's Willowbrook Board meeting.

Tom Roberts | Partner
Van Ness Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Since I provided my last update to the Board on the Sterigenics matter on August 27th, much has occurred:

- We have held additional discussions with the IEPA, USEPA, and ATSDR in an effort to schedule the retesting of the emissions at Sterigenics. That follow-up testing is scheduled to occur the week of September 17th. We understand the delay of the testing was due to Illinois EPA imposing additional demands that required additional equipment. Our work this week will be to insist that follow up air ambient monitoring be performed by the USEPA to include all schools and the testing perimeter expanded, and then followed up with a new health assessment by the ATSDR.

- We coordinated a conference call with the owner of the West Swim Club, located just north of Sterigenics Building No. 2, and the ATSDR to obtain answers to questions they had pertaining to concerns with the quality of the pool water. As a result of the information shared on the call, there are no safety concerns at the West Swim Club. Please see the summary provided by West at: http://www.willowbrookil.org/DocumentCenter/View/1411.

- Three (3) of our attorneys are researching Village ordinances, current state law, and applicable case histories to determine whether the Sterigenics operation is in full compliance with all local requirements.

- Tonight, the Village Board formally hired the environmental law firm Schiff Hardin to assist us in our efforts to obtain important answers from various federal and state agencies. The lead attorney working with us is **Ms. Renee Cipriano**, former director of the IEPA. She will be assisted by **Mr. Frank Lyons**, former Administrator of the USEPA Region 5.

- Tonight, the Board also hired **Dr. Lucy Frasier**, a board-certified toxicologist with over 28 years of experience and **Mr. Dyron Hamlin**, a professional chemical engineer and certified industrial hygienist specializing in air monitoring. Both individuals will serve on our Professional Consultant Task Force intended to review the information received from the federal and state agencies and Sterigenics, interpret the findings of the government agencies to date, and help disseminate that information to the community. Trustee Gayle Neal is coordinating the Task Force along with Ms. Cipriano.

- We have also been working with resident **Paul Farber** of the environmental consulting firm P. Farber & Associates. They are experienced emissions control specialists, and Mr. Farber has volunteered to also serve on our Task Force.

- The Task Force members will also assist in answering the very detailed and technical questions we have received from concerned residents and local businesses. Trustee Terry Kelly is coordinating that effort.

- We will also meet with representatives of the IDPH tomorrow to discuss a study that they are initiating to determine if the incidents of the types of cancer believed to be caused by ethylene oxide is higher in our area.

Although much has occurred in the last 2 weeks, there is still much to do. We will continue to seek answers to our many questions and get that information out to the public. Please continue to monitor the Village website for current information. Thank you.

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 9/16/2018 9:52:20 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Sterigenics Status
Attachments: sterigenics - la grange oppo ltr.pdf; sterigenics - dupage cty resolution.pdf

Clint - thank you for your voice mail on Friday. I appreciate the update.

I have a few things to report on:

1. While it appears that things have quieted down a bit in Willowbrook, there remains a very active and vocal contingent of residents that continues to call for Sterigenics to shut down our facility. This group organized a "protest" at Sterigenics' corporate office in Oak Brook on Friday evening. From the Twitter feeds, it appears that there were in the range of 100 participants. In addition, the Boards of two nearby municipalities have adopted resolutions calling for us to shut down. See attached.
2. Representative Peter Roskam (R-IL 6th) has weighed in with a release in support of the Mayor of Willowbrook. His statement is measured but given that he is in a tight reelect race we are watching this closely. We understand that his opponent attended the protest Friday night.
3. You may have seen this, but there have been media reports of issues at an EO sterilization facility in Lakewood, CO. This seems to have been initiated by the CO Department of Public Health and Environment based on the NADA report. Unlike Region 5's handling of the ATSDR report, it appears here that the CODPHE has worked to put the NADA information in a appropriate context. https://patch.com/colorado/lakewood-co/lakewood-industrial-firm-targeted-epa-cancer-causing-gas

And couple of requests:

1. You indicated that the "North Carolina team" (I assume OAQPS) was hoping to connect with Sterigenics regarding the stack testing we will be conducting this coming week. We are happy to talk to them at their convenience, but request that we have a short discussion with you first in order to fully understand the agenda for the call. **Would you have 20 minutes sometime on Monday or Tuesday to speak with Kathy Hoffman (Sterigencis VP for Regulatory), Byron Taylor (Sidley & Austin, Chicago) and me?**
2. We have heard that ATSDR is preparing a report to "clarify" their earlier report to Region 5. We do not know what ATSDR has in mind nor the timing of such clarification. Given experience to date, we do not trust ATSDR actually to clarify any issues and believe it is more likely they will just add confusion. If you are in contact with ATSDR HQ personnel, please inquire about this "clarification" and its contents.

Thank you, Clint.

Tom Roberts | Partner

VanNess Feldman LLP

1050 Thomas Jefferson Street, NW

Washington, DC 20007

(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Illinois Manufacturers' Association www.ima-net.org

1211 West 22nd Street • Suite 620 • Oak Brook, Illinois 60523 • (630) 368-5300 • Fax: (630) 218-7467
220 East Adams Street • Springfield, Illinois 62701 • (217) 522-1240 • Fax: (217) 522-2367
Email: ima@ima-net.org

September 10, 2018

Dan Cronin
DuPage County Board Chairman
421 N. County Farm Rd.
Wheaton, IL 60187

Dear Chairman Cronin:

On behalf of the Illinois Manufacturers' Association (IMA), I write to express strong concern with your proposed resolution (CB-R-0875-18) that requests Sterigenics, located in Willowbrook, to immediately cease operations while calling on the Illinois Environmental Protection Agency to revoke the company's current air operating permits for unsubstantiated reasons. The resolution and state legislation sends a dangerous and chilling message to manufacturers that local politics matters more than actual science.

It's critical to start with a very basic fact: the Sterigenics facility is operating legally within all limits set by both the United States Environmental Protection Agency and the Illinois Environmental Protection Agency. In fact, Sterigenics has taken several voluntary steps to ensure their facility not only meets federal and state standards but also exceeds all compliance requirements.

Sterigenics continues to work with state and federal officials to expedite more testing of their air emissions to further ensure the safety of their operations. During this time, it is critical that state and local elected officials allow Sterigenics, along with the Illinois EPA, to conduct the additional air emissions testing before attempting to take action or make a call for action that is premature and unnecessary.

While the IMA understands the need to respond to constituent concerns regarding a recent report from the U.S. Department of Health and Human Services' Agency for Toxic Substances and Disease Registry (ATSDR) detailing potential health impacts for Ethylene Oxide emitted at the Sterigenics facility located within your district, Resolution 0875-18 takes an unfair and unprecedented step in calling for the revocation of a permit for an Illinois facility who is operating in good standing and meets all state and federal environmental standards.

Asking a state agency to revoke a permit of a business in good standing sets a dangerous precedent that will have the manufacturing sector questioning what will be next and if DuPage County is the right location to operate a business. The DuPage County Board should be encouraging business growth in the county and not punishing businesses for following the rules set by state and federal officials. I would urge you to reconsider Resolution 0875-18 and continue to communicate with Sterigenics as they work to further ensure the safety of their employees and those in the community around them.

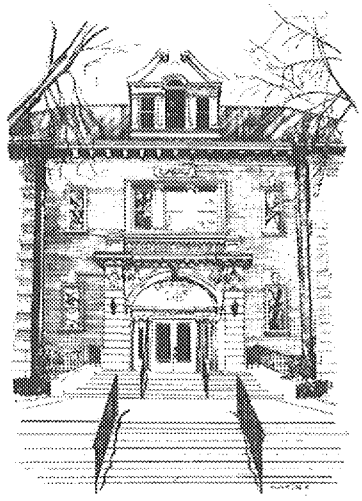
Thank you,

Donovan Griffith
Director of Government Affairs

Cc: DuPage County Board Members

Serving Illinois manufacturers since 1893

Village of La Grange



September 12, 2018

Ms. Kathleen Hoffman
VP, Global Environmental Health & Safety
Sterigenics International, Inc.
2015 Spring Road, Suite 650
Oakbrook, IL 60523
khoffman@sterigenics.com

Dear Ms. Hoffman:

I am writing to express concerns on behalf of the residents of La Grange regarding recent reports of carcinogenic emissions from the Sterigenics International facility in Willowbrook. According to information being widely circulated, the use of ethylene oxide poses increased public health risks to area residents.

As a result of these concerns, I join many other government officials in urging Sterigenics to cease operations, provide full transparency, and take all steps necessary to protect the public by working closely with state and federal agencies to implement appropriate safeguards.

Sincerely,
VILLAGE OF LA GRANGE

Tom Livingston
Village President

cc: La Grange Clerk and Board of Trustees
State Representative Jim Durkin
State Senator John Curran
Alec Messina, Director, IEPA
Nirav D. Shah, Director, IDPH

53 South La Grange Road P.O. Box 668 La Grange, Illinois 60525 (708) 579-2300 Fax (708) 579-0980

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/29/2018 1:28:58 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Village of Willowbrook Mayor's Statement - ATSDR and EPA Clarifications

Clint – the message below was posted on the Willowbrook municipal website. It appears that we are making progress in putting the ATSDR report and IRIS assessment in the appropriate context. I will let you know how the public meeting tonight goes.

Thank you for your time and attention to the matter.

http://www.willowbrookil.org/CivicAlerts.aspx?AID=365

Mayor Trilla's Village Board Report August 27, 2018

Since we learned of the federal report, village administrators and I have been working around the clock, conferencing with federal, state and local officials, to try to decipher what this report means. My biggest concern is the health and safety of the residents of Willowbrook and the people who work here.
I'm sure you've all read the report from the ASTDR – the headline on the report says there's a "public health hazard" coming from emissions at Sterigenics. The report is incredibly difficult to understand. This process of trying to understand—and getting answers from these government agencies-- has been incredibly frustrating.
Here's what we know:
Just an hour ago, the agency that wrote this report released a statement. It says quote "The emissions of ethylene oxide from the Sterigenics International, Inc. facility in Willowbrook, IL are not an immediate threat to public health and are not considered to be an emergency situation.

The statement goes on to say, quote ATSDR based this conclusion on estimated cancer risks that are calculated using conservative assumptions about a lifetime exposure to the highest levels of ethylene oxide that were measured in Willowbrook commercial and residential areas near the facility. The highest measured levels of ethylene oxide in those areas were about 1,000 times lower than levels associated with cancer risks in scientific studies of workers with industrial exposure to EtO. unquote

The US EPA also released a statement to us today. It says, quote, Across the country, U.S. EPA is taking steps to address emissions of ethylene oxide from some types of industrial facilities.
The EPA Statement also says quote - based on an examination of available data, U.S. EPA does not expect ethylene oxide levels in the air to be high enough to cause immediate harm to health. However, the 2014 NATA shows a number of areas could have elevated cancer risks from long-term (many years) ethylene oxide exposure. These potential risks are largely driven by an EPA risk value that was updated in late 2016. That is the gist of the E-P-A statement.

We met with Sterigenics this morning. They told us that in July, there had been recent changes to the facility to further reduce EtO emissions. The changes to the facility occurred after the completion of EPA monitoring that was examined by ATSDR as part of its assessment. Sterigenics representatives were cooperative and forthcoming with all of our questions. They pledged full cooperation. We asked them to provide much needed historical data for our task force to review.

The report calls on Sterigenics to take immediate action to reduce EtO emissions at this facility. With changes completed at the facility, Sterigenics says they are committed to follow up emission testing to demonstrate the reductions that will be achieved.and ambient air monitoring testing. We strongly encouraged Sterigenics to do this testing immediately.

We are bringing together Representatives from ASTDR, the US EPA and the IEPA for a public information session Wednesday night at 7 pm at Ashton Place. Sterigenics will also be there. All these agencies and Sterigenics are sending people to this information session specifically to answer people's questions. Congressman Bill Foster, Representative Jim Durkin and State Senator John Curran will be there.

I mentioned our task force earlier and want to let you know we've enlisted the following people:
Chief Sam Molinaro, Tri-State Fire District
Renee Cipriano, the former head of the Illinois Environmental Protection Agency and one of the state's leading experts in environmental law.

Paul Farber is a Willowbrook resident with more than 30 years experience in environmental engineering. He has his own consulting firm specializing in the development of emissions control options for compliance with state and federal regulations.

If necessary, we will hire our own toxicology expert. Trustee Gayle Neal is heading up our task force and we thank you Gayle for doing that. And Trustee Paul Oggerino is heading up the public forum logistics planned for Wednesday, August 29, 2018, 7 P.M. at Ashton Place.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

This e-mail and any files transmitted with it may contain privileged and/or confidential information. If you believe this e-mail or any of its attachments were not intended for you, you must not use, distribute, forward, print or copy this e-mail or any attached files. If you have received this e-mail in error, please notify the sender by reply e-mail and then immediately delete the email and all attachments.

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/28/2018 1:05:13 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: FW: Confirmation of Public Forum Wednesday
Attachments: ATT00001.txt

Clinton - this is just an update on the situation in Willowbrook. The "town hall / public forum" now has been scheduled for Wednesday evening. The notice indicates that someone from OAQPS will be present. Hopefully that person will be equipped to put the IRIS assessment and the ATSDR report in context.

Thanks, Clint.

Tom Roberts
Partner
202.365.7750

From: "Hoffman, Kathy" <KHoffman@sterigenics.com>
Date: August 27, 2018 at 7:28:09 PM EDT
To: "Gibbs, Kristin" <kgibbs@soterahealth.com>, Matt Barkett <mbarkett@dix-eaton.com>, "paul.monlezun@publicaffairsadvisors.com" <paul.monlezun@publicaffairsadvisors.com>, "Taylor, Byron F." <bftaylor@sidley.com>, "Macnabb, Philip" <PMacnabb@sterigenics.com>, "Klaben, Matthew" <MKlaben@soterahealth.com>, "Petras, Jr., Michael" <mpetras@soterahealth.com>
Subject: Confirmation of Public Forum Wednesday

See the attached link on confirmation: http://www.willowbrookil.org/CivicAlerts.aspx?AID=364

It looks like they will have ATSDR, US EPA, OAQPS (federal EPA Office), Illinois EPA and DuPage County. They also added US Congressman Bill Foster too.

Kathy

Kathleen Hoffman
Senior Vice President - Global Environmental, Health & Safety and Technical Services
Sterigenics, A Sotera Health Company
2015 Spring Road, Suite 650
Oak Brook, IL 60523
Office: 630.928.1758
khoffman@sterigenics.com

This e-mail and any files transmitted with it may contain privileged and/or confidential information. If you believe this e-mail or any of its attachments were not intended for you, you must not use, distribute, forward, print or copy this e-mail or any attached files. If you have received this e-mail in error, please notify the sender by reply e-mail and then immediately delete the email and all attachments.

Message

From: Tom Roberts [tcr@vnf.com]
Sent: 8/10/2018 1:24:25 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Stephen Fotis [scf@vnf.com]
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue
Attachments: sotera - willowbrook eo presentation july 2018.PPTX

Flag: Flag for follow up

Clint – thank you again for your time last week to discuss IRIS and EO. I found it quite helpful although it did demonstrate to me how much more I have to learn about these issues.

I wanted to follow up on a couple of matters. First, attached for your review is a presentation on how EO is used in Sterigenics' Willowbrook, Illinois sterilization facility. This presentation was given to the Region 5 staff when they toured the facility in July. In addition to describing the sterilization process, the presentation also includes a description of the changes that are being made at the facility that will reduce EO emissions by some 97% below their current levels.

Second, I have a question regarding the ATSDR risk assessment that we discussed. Is that assessment a "generic" EO assessment or is it specific to Sterigenics' Willowbrook facility? I ask because the client thought she heard from Region V staff that it was facility specific.

If you have any questions about the presentation or otherwise, please do not hesitate to contact me.

Thank you.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

From: Stephen Fotis
Sent: Monday, July 30, 2018 12:59 PM
To: 'Woods, Clint'
Cc: Tom Roberts
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – Many thanks for talking with Tom Roberts and me this morning. I am providing below Tom's contact information below for your reference.
We look forwarding to keeping in touch on the ethylene oxide issue.
Best,
Stephen

Tom Roberts
Member
Van Ness Feldman, LLP
1050 Thomas Jefferson Street, NW
7th Floor
Washington, DC 20007-3877
Phone: (202) 298-1930
Mobile: (202) 365-7750
Fax: (202) 338-2416

E-mail: tcr@vnf.com

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

From: Stephen Fotis
Sent: Monday, July 30, 2018 11:02 AM
To: 'Woods, Clint'
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Thanks. Look forward to talking at 11:30 AM.
S.

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

From: Woods, Clint [mailto:woods.clint@epa.gov]
Sent: Monday, July 30, 2018 10:58 AM
To: Stephen Fotis
Subject: RE: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Thanks so much – That number ought to work.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Stephen Fotis [mailto:scf@vnf.com]
Sent: Monday, July 30, 2018 10:35 AM
To: Woods, Clint <woods.clint@epa.gov>
Subject: Talk at 11:30 AM Today on the Ethylene Oxide Issue

Clint – I am following up on our brief conversation of this morning. Unless we hear otherwise for you, Tom Roberts and I will call you at 11:30 AM this morning on the ethylene oxide issue. Should we call you at (202) 564-6562 or there is another preferred number.

Many thanks for making time this morning to talk.
Best,
Stephen

Stephen Fotis
Partner
Van Ness Feldman LLP
scf@vnf.com
(202) 298-1908

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender

Sterigenics.
A Sotera Health company

Review of EO Sterilization Process

KATHLEEN HOFFMAN

JULY 2018

**Note – Historically your typical presentation has followed an outline similar to the below (S=standard, C=custom updated by presenter for current events).

We have therefore organized these slides with this outline in mind. We have also included Recent Activities and Current Projects blank/placeholder slides for you to customize, as needed.

S- Introduction to Sotera Health
S- The Sotera Health Advantage
S- Sterigenics Capabilities
S- Sterigenics Locations
C- Recent Activities (press releases etc)
C- Current Projects (relevant to the customer)
S- Why choose Sterigenics (Summary)
0

Overview

- Sterigenics – Company Background
- EO Sterilization Process
- Other EO Controls and Monitoring
- EO Emissions and Emission Controls
- Willowbrook Backvent Project
- Tour and Next Steps

Sterigenics.
A Sotera Health company

Leading Portfolio of Differentiated Services and Products

Sotera Health

Safeguarding Global Health™

Nelson Labs
A Sotera Health company

Expert Lab Testing and Consulting

- Provider of microbiology and biopharma testing services
  - State-of-the-art facilities across 11 global lab locations
- Offers 400+ tests across the product lifecycle, from initial product validation to ongoing quality control and extractables and leachables testing
- End markets include Medical Devices, Pharma and Tissue
- 2,300+ active customers including leading medical device and pharma manufacturers
- Acquired Toxikon EU in 4Q17 to further expand lab services in Pharma

Safeguarding Global Health – with every test we complete.

Nordion
A Sotera Health company

Gamma Technologies (EU)

- Global leader in Cobalt-60 ("Co-60") supply
  - Co-60 is the key input for Gamma sterilization
  - Established market leader
- Exclusive long-term Co-60 supply contracts with nuclear reactors at multiple reactor sites
- 40 active customers including contract sterilizers and medical device OEMs, served via multi-year agreements

Medical Isotopes (US)

- Leading global supplier of critical medical isotopes for research, diagnostic and therapeutic uses
- Manufactures various medical isotopes for the nuclear medicine industry
- Supply relationships with fission and cyclotron-based research reactors
- Customers include hospitals and radiopharmacies, served via multi-year contracts

Safeguarding Global Health – with every critical isotope we supply.

Sterigenics
A Sotera Health company

Comprehensive Sterilization Services

- Provider of mission-critical and government mandated sterilization services
  - 46 facilities in 13 countries
- Offers all major sterilization technologies: Gamma Irradiation ("Gamma"), Ethylene Oxide ("EO") & Electron Beam ("E-Beam")
- End markets include Medical Devices, Pharma, and Food
- 2,800+ customers in 52 countries including virtually all leading medical device OEMs, served via multi-year contracts
- #1 or #2 market position in all modalities

Safeguarding Global Health – with every product we sterilize.

Sterigenics
A Sotera Health company

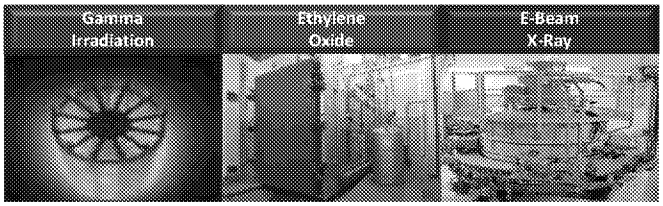
2

Fill Sterigenics box

2

Sterigenics at a Glance

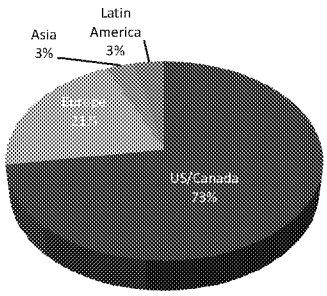
Sterigenics provides outsourced sterilization and decontamination services to safeguard patients, consumers, and our customers brand

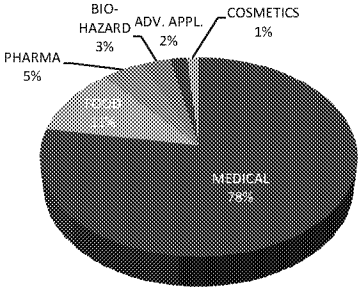


21 Facilities **19 Facilities** **6 Facilities**

Through 46 facilities in 13 countries we offer cycle design, process validation, sterilization, decontamination, materials modification, and phytosanitary applications

The service we provide makes the products of our customers safe for their intended use, and in many cases is required by local regulatory bodies



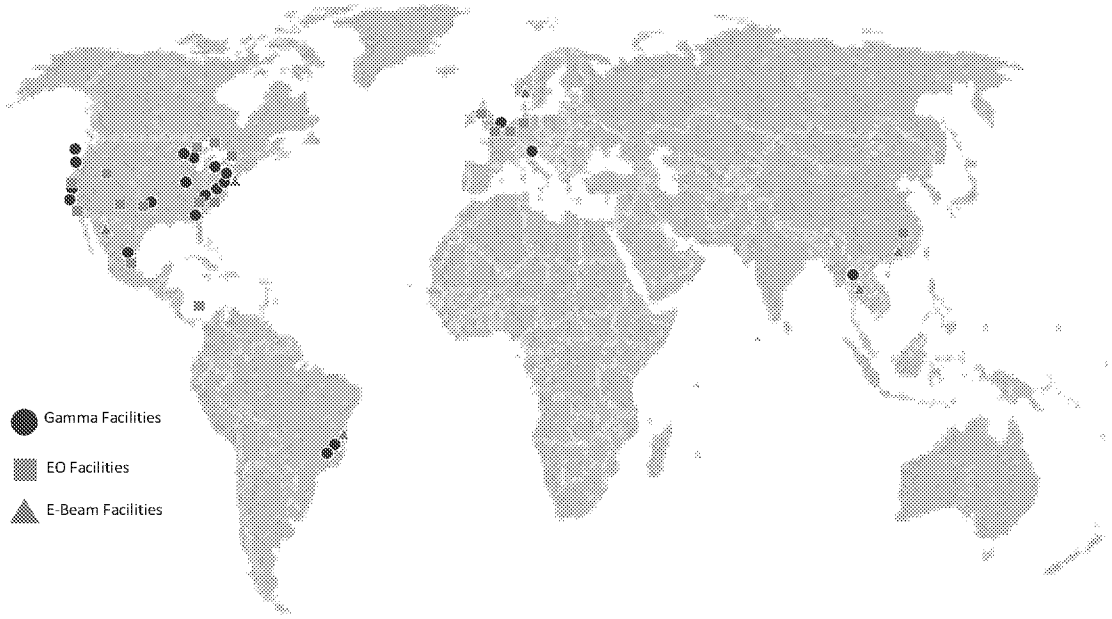


Sterigenics
A Sotera Health company

1. Based on FY 2017 Sales

We Provide a Worldwide Network of Facilities to Support Global Customers…

This requires us to comply with multiple to agencies in multiple countries



To accomplish this we operate globally to the toughest standards in each category

Sterigenics
A Sotera Health company

4

We operate as a matrix organization to ensure global consistency.

EH&S

- Set corporate global compliance standards, provide training, and audit facilities for compliance.
- EH&S Management system is compliant to OHSAS 18001 and ISO 14001 standards.

Quality

- Administer global quality system, global quality report and follow up on CAPA program, audit facilities for compliance

Engineering

- Design and control of facilities installation, set up of audit of maintenance processes and procedures.

Sales

- Account relationship management, acquisition of new business, balance of capacity across facilities.

Facilities

- Execute corporate processes and policies to deliver service to customer in compliance with all regulatory requirements

Support (HR, Fin, IT, Legal)

- Provide administrative support to all facilities

Sterigenics
A Sotera Health company

Products and Customers at Willowbrook

- Sterigenics processes a large variety of products at the Willowbrook facility using ethylene oxide (EO).
- The most common products processed in Willowbrook are medical equipment and supplies, pharmaceuticals, and food/spice products.
- Some specific medical products processed at the Willowbrook facility include catheters, surgery kits, knee implants, staplers, and tracheal tubes.
- Many of these products can only be sterilized with EO.

Sterigenics.
A Sotera Health company

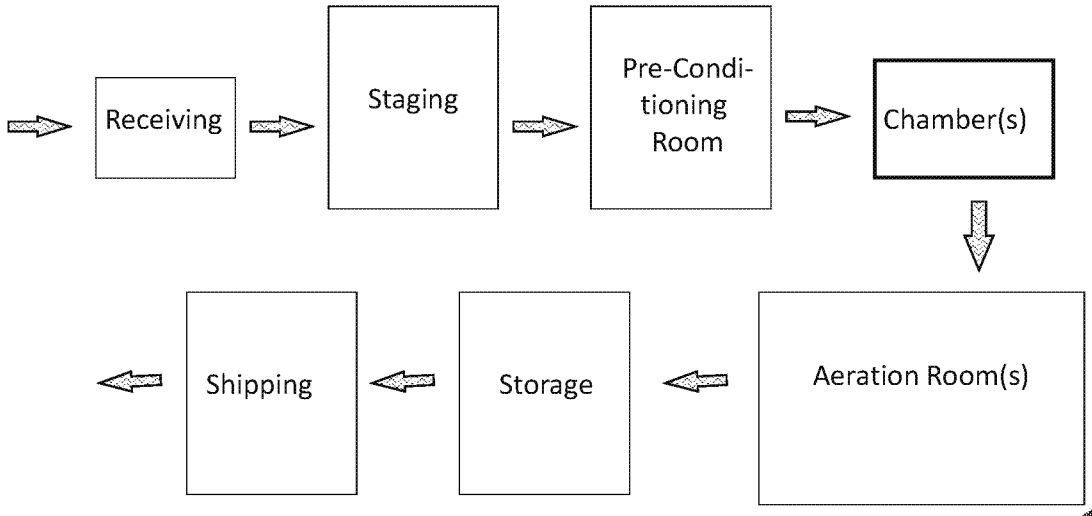
Why Ethylene Oxide (EO) is Needed

- Many heat-sensitive medical products can only be processed with EO sterilization and cannot be processed with radiation and other methods. Such products typically contain plastic components that are radiation-sensitive.
- About 55% of medical products and about 95% of surgery kits are processed with EO sterilization.
- EO sterilization is vital to the healthcare industry.

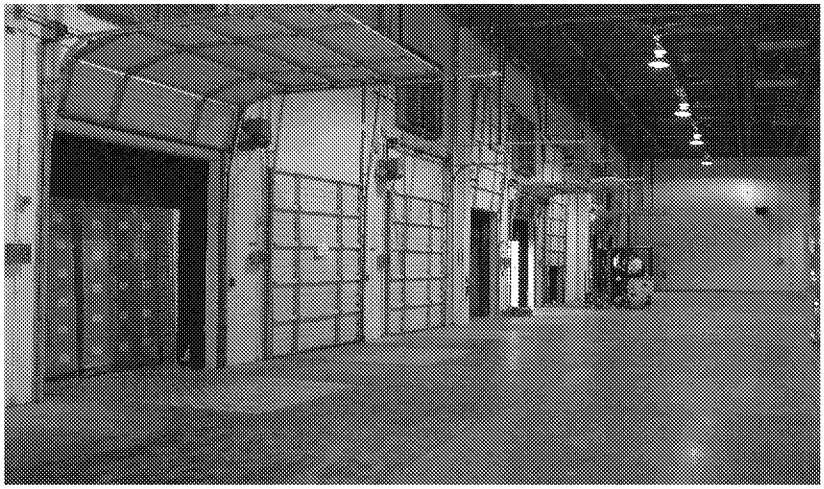
Sterigenics.
A Sotera Health company

EO Sterilization Process

Product Flow Diagram



Receiving Docks



Product is received at receiving docks where the trucks contents are unloaded and placed in the Receiving storage area.

Receiving Docks

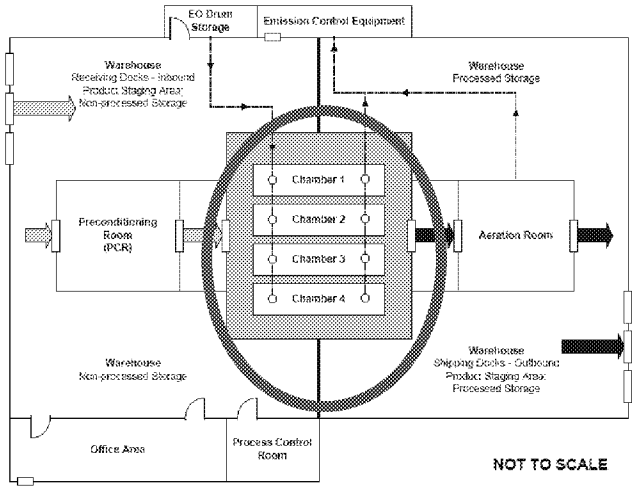
Product is received on pallets and is traced throughout the process.

Pre-Conditioning

Product is stored in Preconditioning rooms at elevated temperature and humidity for a prescribed amount of time.

Sterilization Chambers

Following Preconditioning, the material is ready to be sterilized and moved to an EO Sterilization Chamber.



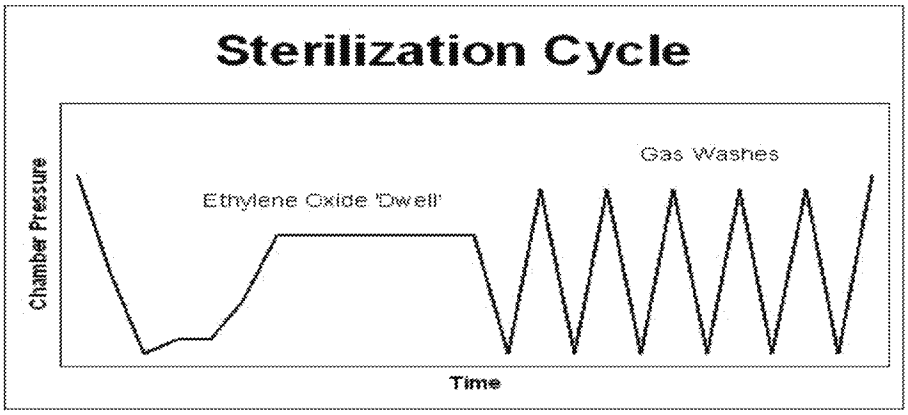
Sterilization Chambers

Chambers are large, gas-tight, steel containers that are capable of holding vacuums.

Steam or hot water is circulated through a jacket around the chamber to regulate the temperature of the material inside.

EO Gas Cycle Designs

EO is exposed to product inside of a Chamber through a process controlled and FDA-validated 'Cycle'. A Cycle is composed of several steps, including removal of air, injection of steam, nitrogen and EO, and then removal of the EO. The EO removal is conducted through a series of 'gas washes'.



Aeration

Product is removed from chambers and placed in an Aeration Room or Cell.

Aeration rooms/cells allow the product to safely aerate. The aeration area is at an elevated temperature, where the EO is captured and sent to an emissions control device.

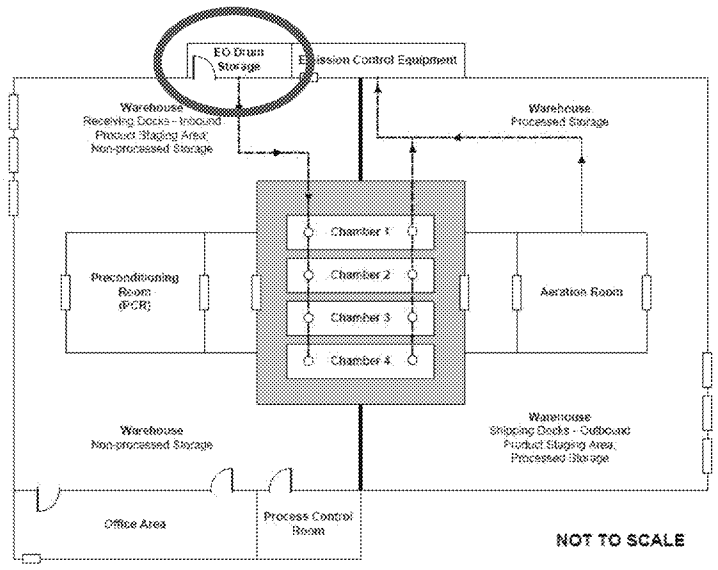
Processed Product

Processed product is stored in the processed storage area until the product is picked up by the customers.

Shipping

From aeration or processed storage, processed product is loaded back onto customer's trucks and returned to them for distribution.

EO Drum Storage



Ethylene Oxide is stored in a special drum storage area.

Access to this area is restricted.

EO Drum Use and Storage

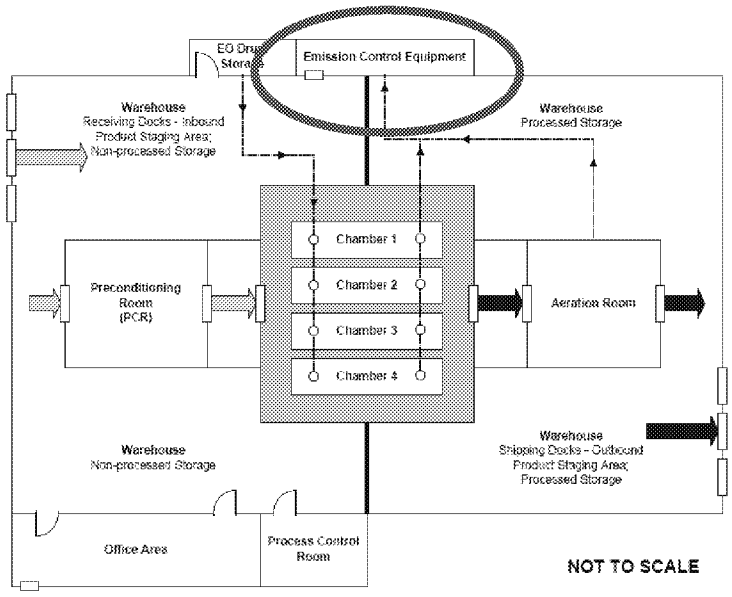
Special precautions are taken when EO drums are connected and disconnected.

All connections and piping are gas-tight and leak-checked.

Emission Controls

EO emissions must be controlled.

EO vapors are piped from the Chambers and Aeration rooms to Emissions Control Equipment.



The EO Process is heavily regulated

- **Environmental (EPA) Regulations:**
  - NESHAP Regulation for Ethylene Oxide
  - Risk Management Program
- **Safety (OSHA) Regulations:**
  - EO Standard
  - Process Safety Management
- **Other Regulations:**
  - DOT regulations for shipment of hazardous wastes and EO Drum Design
  - Homeland Security
  - NFPA Requirements for the EO Process Equipment and Area
- **FDA and ISO Requirements:**
  - ISO/AAMI Standard 11135 regulates the EO sterilization Process
  - ISO/AAMI Standard 10993 regulates the EO residual in healthcare products

Sterigenics
A Sotera Health company

Controls in place to prevent EO leaks and exposure

- EO Drum Handling:
  - ✓ Leak Tests
  - ✓ EO Monitoring Systems (PPM and LEL)
  - ✓ Nitrogen Overpressure System
- EO Chambers and Chamber Room:
  - ✓ EO Monitoring Systems (PPM and LEL)
  - ✓ Backvents on all chambers
  - ✓ VAPORS and Door Interlock Systems
  - ✓ Emission Control Systems
  - ✓ Unloading Warning Light System
- Aeration Rooms:
  - ✓ Emission Control Systems
  - ✓ Rooms under Negative Pressure
  - ✓ Segregation & Respirator Requirements
- Other Areas:
  - ✓ EO Regulated Areas & Segregation
  - ✓ Positive Pressure in Control Room

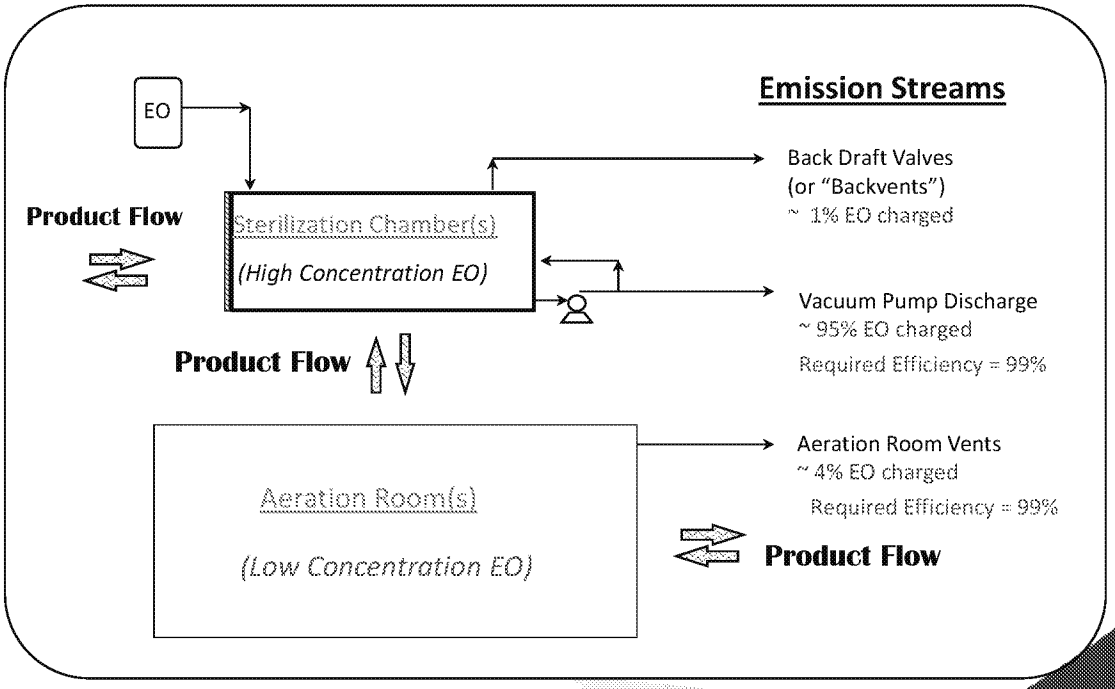
Sterigenics.
A Sotera Health company

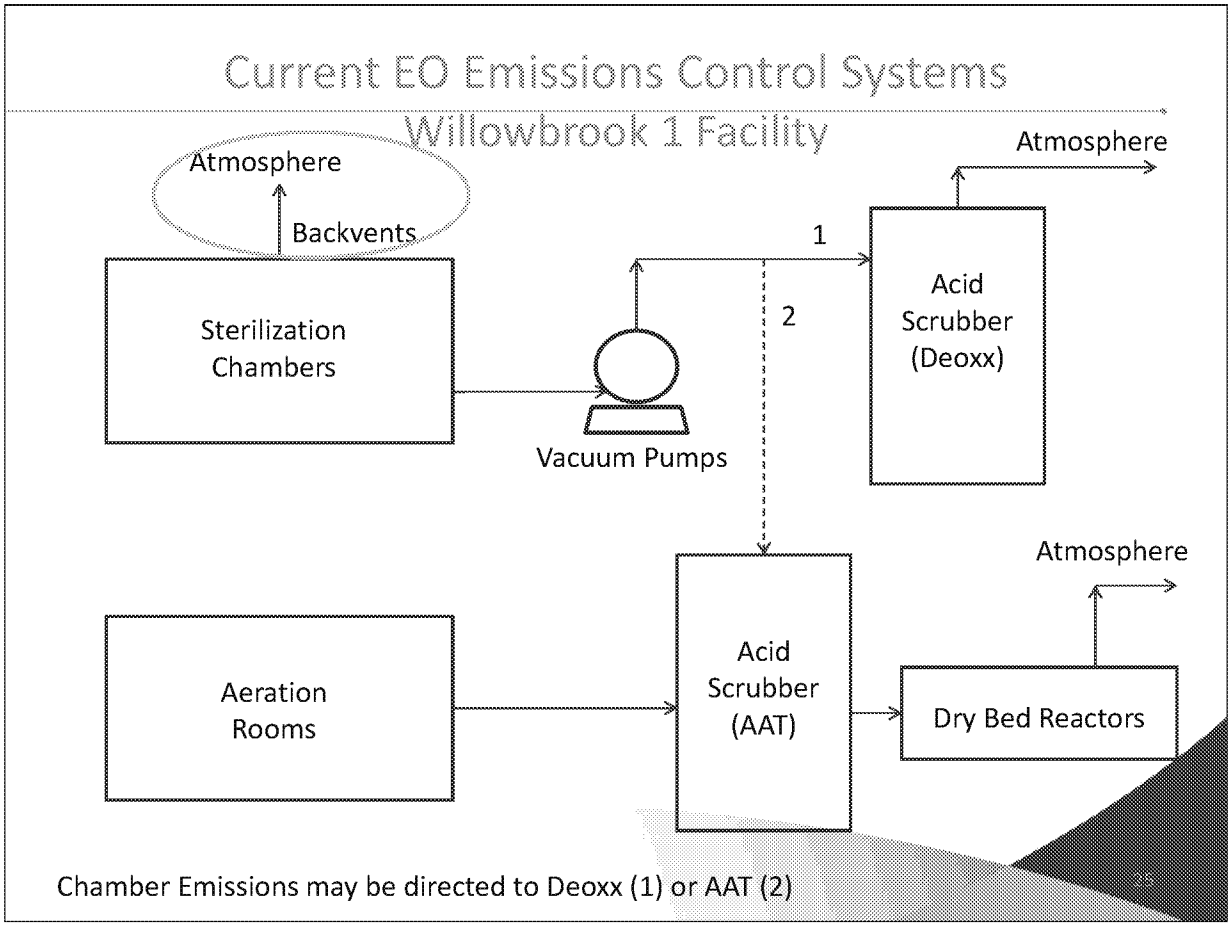
EO Monitoring Systems

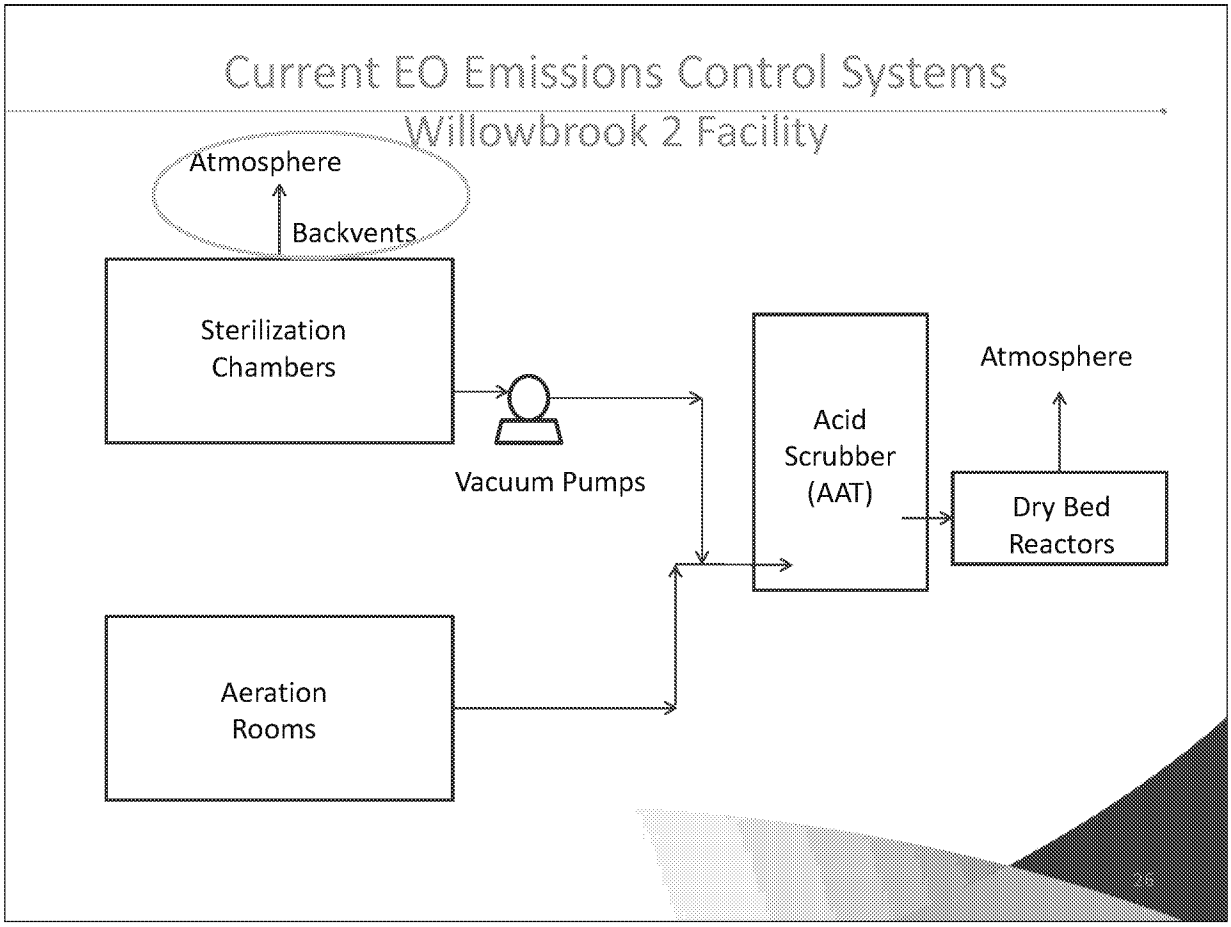
- **LEL Detection Systems:**
  - ✓ Lower Explosive Limit (LEL) Detectors with 10% Alarms – strategically located
- **PPM Detection Systems (with lights):**
  - ✓ Multi-port GC monitoring system that measures EO ppm levels in several facility areas.
  - ✓ EO Warning Lights linked to the monitoring system
- **Portable LEL and PPM Detectors**
- **Employee Badge Monitoring:**
  - ✓ Quarterly badge testing for all employees

Sterigenics.
A Sotera Health company

EO Sterilization Emissions




Current EO Emissions Control Systems
Willowbrook 1 Facility
Atmosphere
Backvents
Sterilization Chambers
Vacuum Pumps
1
2
Acid Scrubber (Deoxx)
Atmosphere
Aeration Rooms
Acid Scrubber (AAT)
Dry Bed Reactors
Atmosphere
Chamber Emissions may be directed to Deoxx (1) or AAT (2)


Current EO Emissions Control Systems
Willowbrook 2 Facility
Atmosphere
Backvents
Sterilization Chambers
Vacuum Pumps
Acid Scrubber (AAT)
Atmosphere
Dry Bed Reactors
Aeration Rooms

Backvent Project - Description

- Backvent project will connect the sterilization chamber backvents to the emission controls used for aeration emissions at both WB1 and WB2 facilities
- It will also install a queuing system that controls the maximum number of backvents that can be open at one time.
- This project will have a significant reduction of EO emissions at the Willowbrook facilities.
- Project Status:
  - All equipment is received and being installed. The queuing system is scheduled to be installed on Tuesday.
  - Testing protocols will need to be completed.
  - Contractors: 75-80%
  - Overall Completion: 50%
- The project is scheduled to be complete by Friday, July 27.

Sterigenics.
A Sotera Health company

Next Steps

- **Tour of the Willowbrook 1 Facility:**
  - Paul Krett will lead the tour through the facility
  - Dave DeFina (VP of Global Engineering) is available to describe the Backvent Project

- **Next Steps:**
  - Sterigenics to complete WB Backvent project
  - Sterigenics to provide input to the modelling data for WB stacks
  - US EPA to provide details on the monitoring data to consultants
  - US EPA / Sterigenics to review working together for future monitoring

Sterigenics
A Sotera Health company

Message

From: Stepp, Cathy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BEFDAFC0FA1A425EAE232F60AD9BDA1D-STEPP, CATH]
Sent: 9/21/2018 4:38:07 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Fwd: Trump, Rauner have the power to shut down a toxic Willowbrook plant. Will they use it?

FYI

Sent from my iPhone

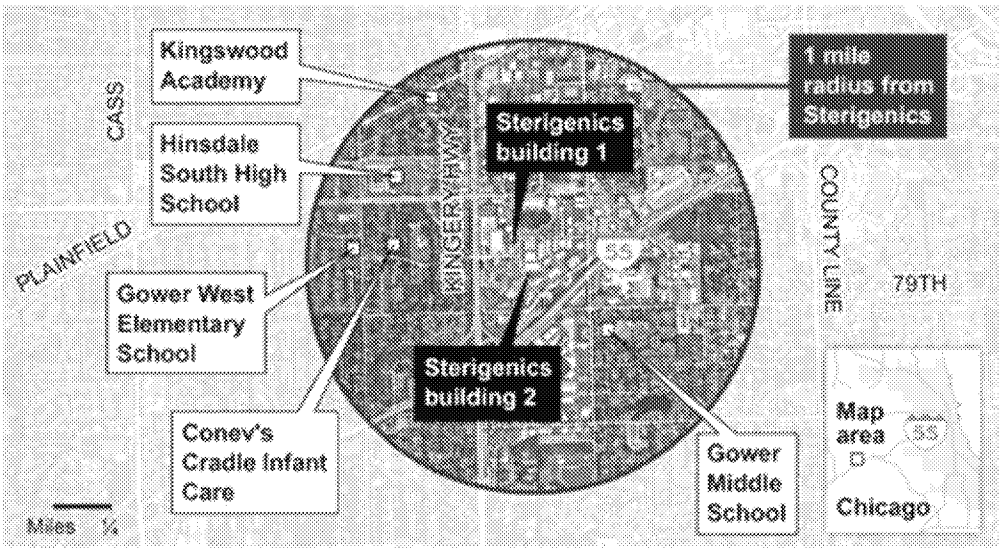
Begin forwarded message:

From: "Bassler, Rachel" <Bassler.Rachel@epa.gov>
Date: September 21, 2018 at 9:35:31 AM CDT
To: "Stepp, Cathy" <stepp.cathy@epa.gov>, "Thiede, Kurt" <thiede.kurt@epa.gov>, "Payne, James" <payne.james@epa.gov>, "Nam, Ed" <nam.ed@epa.gov>, "Deamer, Eileen" <deamer.eileen@epa.gov>, "Nelson, Leverett" <nelson.leverett@epa.gov>, "Siegel, Kathryn" <siegel.kathryn@epa.gov>
Cc: "Singer, Joshua" <Singer.Joshua@epa.gov>, "Rowan, Anne" <rowan.anne@epa.gov>, "Kelley, Jeff" <kelley.jeff@epa.gov>
Subject: Trump, Rauner have the power to shut down a toxic Willowbrook plant. Will they use it?

http://www.msn.com/en-us/news/politics/trump-rauner-have-the-power-to-shut-down-a-toxic-willowbrook-plant-will-they-use-it/ar-AAAr2ec?ocid=iehp

Trump, Rauner have the power to shut down a toxic Willowbrook plant. Will they use it?

Michael Hawthorne, 1 hour ago



Source: Tribune reporting @ChiTribGraphics

A company responsible for some of the nation's highest cancer risks from toxic air pollution says its sterilization plant in west suburban Willowbrook operates well within the law.

Also vouching for the company is Republican Gov. Bruce Rauner, a former private equity executive who still has a financial interest in Sterigenics, a global corporation that uses highly potent ethylene oxide gas in Willowbrook and 16 other cities to fumigate medical instruments, pharmaceutical drugs and food.

"This is not an emergency," Rauner said in his only public comments about a federal study released in late August that revealed significant health threats posed by the Willowbrook facility. "My understanding is that particular company has followed all the regulations and the proper procedures."

Air pollution within legal limits can still be dangerous. With the Nov. 6 election just two months away, residents in traditionally Republican communities near Sterigenics are clamoring for a more aggressive response from local, state and federal officials. Yet quick action is unlikely for a variety of reasons.

Ideas floated so far by local elected officials - introducing legislation, passing resolutions, calling to revoke the company's permit - either offer little leverage against the company or would take months, if not years, to wind through the legislature and courts.

Another option is buried in the same permit that allows Sterigenics to pollute surrounding neighborhoods. Written in obscure legal language, it gives Rauner - or President Donald Trump's administration - authority to declare the DuPage County facility a threat to public health and seek a court order to immediately shut it down.

Bipartisan majorities of Congress included provisions in the 1970 Clean Air Act that enable environmental regulators to respond quickly to air pollution emergencies. Legal powers also can be invoked to address cancer-causing pollution, "the harm from which might take many years to manifest itself," according to a guidance memo on the U.S. Environmental Protection Agency website.

"Compliance with all federal, state or local permits was never and is not a determination that a facility's operations are 'safe,' " said Bruce Buckheit, a former EPA and U.S. Department of Justice lawyer who oversaw enforcement of air pollution laws during the late 1990s and early 2000s.

The Rauner administration, which has cut back on enforcement of state environmental laws, appears more inclined to work with Sterigenics than take the company to court. Nearly two months before the cancer report was made public, the Illinois EPA quietly gave the Willowbrook facility another permit to voluntarily install new pollution-control equipment, making it more difficult for authorities to pursue legal action against the company unless it can be proven the fix has failed to eliminate health risks from ethylene oxide pollution.

Trump administration officials also appear to be reluctant to crack down on Sterigenics. "The agency will review its air toxics regulations for facilities that emit ethylene oxide," an EPA spokesman said in a statement.

Neither federal nor state regulators have committed to anything beyond overseeing a consultant hired by Sterigenics to gauge the effectiveness of its new pollution controls, and using computer models to analyze the results.

Illinois Attorney General Lisa Madigan, a Democrat who isn't running for re-election, said more information is needed from the Rauner-led Illinois EPA before her office can build an effective case against Sterigenics. Her office also is pushing the U.S. EPA to conduct long-term air quality monitoring in neighborhoods near the Willowbrook facility, rather than just a single test of its emissions.

"It is clear that the requirements for controlling (ethylene oxide) emissions ... are alarmingly inadequate," Matthew Dunn, chief of Madigan's environmental enforcement division, wrote in a letter this week to Ed Nam, director of the U.S. EPA's regional air division.

Willowbrook is among a small number of U.S. cities that stand out in the latest federal assessment of toxic air pollution, released on the same day the Sterigenics cancer report was made public in late August. Seven DuPage County census tracts near the facility are among 109 nationwide with cancer risk scores greater than 100, according to the EPA, meaning if 1 million people were exposed to the same level of pollution throughout their lives (24 hours a day, for 70 years), 100 of them would likely develop cancer.

Most of the other tracts are in "Cancer Alley," an infamous stretch of chemical plants along the Mississippi River in Louisiana.

Even more alarming are the results of an EPA investigation in Willowbrook. Based on air samples collected in May, a related federal health agency determined the cancer risks from breathing ethylene oxide pollution in southeast DuPage communities could be orders of magnitude higher than initially estimated: up to 6,400 per million, or more than six cases of cancer for every 1,000 people.

Neighbors have formed a "Stop Sterigenics" group, organized protests outside the Willowbrook plant and picketed the company's regional headquarters in Oak Brook. Many have said they want the sterilization plant driven out of town if Sterigenics continues to release ethylene oxide into the community.

"Even if they stop tomorrow, there are going to be repercussions for our community for years, if not decades," said T.J. Kelleher, a longtime Darien resident whose wife died of pancreatic cancer in February. "To think the very place my wife loved, the place where we raised our children, might have killed her is devastating."

Kelleher is among 19,000 people who live roughly a mile from the Willowbrook facility. Four schools and a day care center also are close by, including Hinsdale South High School in Darien and Gower Middle School in Burr Ridge.

Local officials are scrambling to respond to the cancer report, mindful the political landscape of DuPage County is changing. Once a dependable base of power for Republicans in Illinois, the county has trended more toward Democrats in recent national elections. Hillary Clinton won nearly 54 percent of the DuPage vote in 2016, compared with 39 percent for Donald Trump.

With Democratic challengers in local congressional and legislative races making Sterigenics a campaign issue, two local Republicans - state Sen. John Curran of Downers Grove and Dan Cronin, the DuPage County Board chairman - have urged Rauner and Madigan to work together to overhaul the facility's air pollution permit. Sean Casten, a Democrat in a close race with U.S. Rep. Peter Roskam, R-Wheaton, accuses the incumbent of putting the chemical industry ahead of public safety, citing Roskam's 7 percent rating from the League of Conservation Voters on public health and environment legislation.

While there is no evidence Sterigenics poses the type of immediate health threats seen in some work settings, federal records show the facility has been emitting ethylene oxide into surrounding neighborhoods for more than three decades.

Rauner's ties to to the company date to 2011, when a private equity firm he co-founded bought Sterigenics for $675 million and quickly expanded its operations. The governor's most recent state ethics statement, filed in May, shows he retains an interest in the fund used to buy the sterilization company, which in 2015 sold a majority stake to another private equity firm.

Sterigenics' parent company is in talks for a sale worth as much as $5 billion, Reuters reported last month.

On its website, Sterigenics calls the use of ethylene oxide "a critical step ... to protect patients who use these products from harmful bacteria that could cause infection or death." Online statements from the company and an industry trade group attack the Willowbrook study and contend the chemical isn't nearly as dangerous as the government has concluded.

"Healthy human bodies internally produces (sic) EO," the company website says, using an acronym for ethylene oxide. "There is far more EO internally produced within our own bodies than the risk level stated in EPA's ... risk assessment."

When asked about the U.S. EPA investigation, Rauner and local officials have made a point of noting it has been less than two years since the agency officially declared that ethylene oxide is far more dangerous than previously thought.

"This is something we are managing," the governor said in response to a question from a reporter after an Aug. 28 event, "a product that needs to be managed carefully and we are going to try to reduce emissions over time."

The volatile, easily absorbed chemical has been on the federal list of carcinogens since 1985. EPA scientific advisory boards concluded that ethylene oxide was extremely dangerous in 2007 and 2013, linking exposure to breast cancer and leukemia in particular. But it took the EPA until late 2016 to officially update its risk assessment for the chemical, largely because of industry opposition and bureaucratic inertia.

With the Trump administration focused on rolling back environment and safety protections, there is no guarantee federal limits on ethylene oxide emissions will be updated to reflect the latest science. Even under Presidents Bill Clinton and Barack Obama, Democrats who have been accused of being overzealous with regulations, the EPA failed to take action on dozens of chemicals with well-documented hazards.

"EPA and other agencies can move fairly quickly when there is a big spill, explosion, or some other visible industrial disaster or derailment.," said Eric Schaeffer, who resigned in protest as the EPA's top enforcement official during President George W. Bush's administration and now heads the nonprofit Environmental Integrity Project. "They are less effective in moving quickly to deal with surges in air pollution that are less visible - and most air pollutants are invisible."

Message

From: DeLuca, Isabel [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=0B021C30CBEE4637A7C7CA683E5E044A-IDELUCA]
Sent: 8/22/2018 1:23:21 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Re: NATA comms

Ok, got it—will send a revised version in a minute.

On Aug 22, 2018, at 9:20 AM, Woods, Clint <woods.clint@epa.gov> wrote:

Deliberative Process / Ex. 5

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: DeLuca, Isabel
Sent: Tuesday, August 21, 2018 6:59 PM
To: Woods, Clint <woods.clint@epa.gov>
Subject: Re: NATA comms

Thanks!

On Aug 21, 2018, at 6:48 PM, Woods, Clint <woods.clint@epa.gov> wrote:

Isabel,

Deliberative Process / Ex. 5

Clint

On Aug 21, 2018, at 6:46 PM, DeLuca, Isabel <DeLuca.Isabel@epa.gov> wrote:

> Hi Bill and Clint,
>
> The R5 desk statement on Sterigenics is attached for your review. I've also attached the HQ desk statement, NATA fact sheet, and EtO fact sheets – OPA sent these to the regions this afternoon.
>
> Clint— if the R5 desk statement looks ok to you, can you please forward to John Konkus (and cc me so I know it's final too)? John wants to make sure this has cleared OAR IO before he approves.
>
> The plan is to post NATA tomorrow at 2 pm.
>
> Thanks,
> Isabel
>
> **Isabel DeLuca**
> Office of Air and Radiation, US EPA
> (202) 343-9247

<20180821-Sterigenics_desk_statement.docx>

<NATA desk statement 8.21.18.docx>

<Ethylene Oxide Fact Sheet.Final.8.21.18.pdf>

<2014 NATA Overview Fact Sheet..pdf>

Message

From: Wallace, Elizabeth [EWallace@atg.state.il.us]
Sent: 2/24/2019 4:36:38 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Nelson, Leverett [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=2229a07c2cb442b182332d9dcc325f13-LNelson]; Dunn, Matthew [MDunn@atg.state.il.us]; Armitage, Julie [Julie.Armitage@Illinois.gov]; Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Re: Sterigenics U.S. LLC v. Kim et al motion for miscellaneous relief

Thanks Mike.

From: Koerber, Mike <Koerber.Mike@epa.gov>
Sent: Sunday, February 24, 2019 9:04 AM
To: Wallace, Elizabeth
Cc: Nelson, Leverett; Dunn, Matthew; Armitage, Julie; Tsirigotis, Peter; Woods, Clint
Subject: Re: Sterigenics U.S. LLC v. Kim et al motion for miscellaneous relief

Beth: Got it. We will be back in touch shortly.

Mike

Sent from my iPhone

On Feb 24, 2019, at 9:29 AM, Wallace, Elizabeth <EWallace@atg.state.il.us> wrote:

> Good morning. Next up in the Seal Order case brought by Sterigenics against John Kim/IEPA, we will be before the federal judge on Tuesday, 2/26, on Sterigenics' motion to set a hearing date for the Preliminary Injunction hearing. Attached is the motion and notice. Just fyi, we (the State) also filed a Motion to Dismiss Sterigenics' case in federal court.
>
> We are preparing for the Preliminary Injunction hearing which is essentially a trial put together and held in a very short period of time. We will need to put the USEPA's sample results into evidence and will need testimony from someone who was involved with taking the samples, and someone from the lab who oversees the analytical process.
>
> Consistent with your public statements that USEPA is working very closely with the State on this matter, we appreciate your assistance on providing the support necessary to get USEPA's sample results into evidence.
>
> I look forward to hearing from you and thank you.
>
> Beth Wallace
> 312-814-5396

From: usdc_ecf_ilnd@ilnd.uscourts.gov <usdc_ecf_ilnd@ilnd.uscourts.gov>
Sent: Thursday, February 21, 2019 7:12 PM
To: ecfmail_ilnd@ilnd.uscourts.gov
Subject: Activity in Case 1:19-cv-01219 Sterigenics U.S. LLC v. Kim et al motion for miscellaneous relief

This is an automatic e-mail message generated by the CM/ECF system. Please DO NOT RESPOND to this e-mail because the mail box is unattended.
*****NOTE TO PUBLIC ACCESS USERS*** Judicial Conference of the United States policy permits attorneys of record and parties in a case (including pro se litigants) to receive one free electronic copy of all documents filed electronically, if receipt is required by law or directed by the filer. PACER access fees apply to all other users. To avoid later charges, download a copy of each document during this first viewing. However, if the referenced document is a transcript, the free copy and 30 page limit do not apply.**

United States District Court
Northern District of Illinois - CM/ECF LIVE, Ver 6.2.2

Notice of Electronic Filing

The following transaction was entered by Kelly, Gerard on 2/21/2019 at 7:12 PM CST and filed on 2/21/2019

Case Name:	Sterigenics U.S. LLC v. Kim et al
Case Number:	1:19-cv-01219
Filer:	Sterigenics U.S. LLC
Document Number:	29

Docket Text:
MOTION by Plaintiff Sterigenics U.S. LLC For Status Conference To Set A Hearing Date On Motion For Preliminary Injunction (Kelly, Gerard)

1:19-cv-01219 Notice has been electronically mailed to:

Daniel Isaac Rottenberg drottenberg@atg.state.il.us

Elizabeth A. Wallace ewallace@atg.state.il.us

Elizabeth M. Chiarello echiarello@sidley.com, efilingnotice@sidley.com, elizabeth-chiarello-8282@ecf.pacerpro.com

Gerard David Kelly gkelly@sidley.com, efilingnotice@sidley.com, gerard-kelly-0262@ecf.pacerpro.com

Kate F Lambert klambert@sidley.com, efilingnotice@sidley.com, kate-lambert-5694@ecf.pacerpro.com

Maja C. Eaton meaton@sidley.com, efilingnotice@sidley.com, jbuss@sidley.com, maja-eaton-6947@ecf.pacerpro.com

Matthew Joseph Dunn mdunn@atg.state.il.us

Stephanie C. Stern sstern@sidley.com, efilingnotice@sidley.com, stephanie-stern-

2291@ecf.pacerpro.com

Stephen J. Sylvester ssylvester@atg.state.il.us

1:19-cv-01219 Notice has been delivered by other means to:
The following document(s) are associated with this transaction:
Document description: Main Document
Original filename:n/a
Electronic document Stamp:
[STAMP dcecfStamp_ID=1040059490 [Date=2/21/2019] [FileNumber=20146106-0] [41a7552c71a5be4080066fcb71d93b02c1341befc30a4c37b11eef3a6f693f44dd0dec3174e4792df05b04d94867439db22cfb12abe839e7444cc1cbc32f4ce9]]

<190221- Motion for a Status Conference to Set a Hearing Date on Motion for PI.pdf>

<190221- Notice of Motion for a Status Conference to Set Hearing Date on Motion for PI.pdf>

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/21/2019 2:26:47 PM
To: Nam, Ed [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a2653f1ddd59470688ba557dd84d9690-Nam, Ed]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Siegel, Kathryn [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f57a52efead9497cb582b11b8c85f09f-KSiege02]; Compher, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e258cb856e3d4ae6bacca7fa48ca827a-MCompher]; Kelley, Jeff [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=e154fa5a5f744c70aa3da58e3f87aabe-JKelley]; Newton, Cheryl [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ae08c2f1c2304a61bf7c01de62f35dbf-Cenewton]; Morgan, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=aff0ab9936d94daeb616bb3cbfdd7b45-JMorga04]; Furey, Eileen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5aaa3a0ee58047d983897c53c1eb283e-EFurey]; Deamer, Eileen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f2d19c60656344f5b14361c0acc826d2-EDeamer]; Singer, Joshua [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f29c3a13f65447ae887edd3bdc89d77a-JSinge02]; Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Rodrick, Christian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6515dbe46dae466da53c8a3aa3be8cc2-Rodrick, Ch]; Carter, Brittany S. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7ffc80a6a1d24757a8e59bdf551d5cbe-Carter, Bri]; Rountree, Jillian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7d304e5e55a54908b24b17e57ecdbf3c-JRountre]; Thiede, Kurt [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3cc09fac5acc4ce1ba689fb2ce70d459-Thiede, Kur]; Armitage.Julie@Illinois.gov; Mattison.Kevin@Illinois.gov; Eric.E.Jones@Illinois.gov; Lisa.Smith@dupageco.org; Steven.King@Illinois.gov; Gregory.Vaci@dupageco.org
Subject: Heads up call on Willowbrook data posting

Hi everyone,

I'm sending this on behalf of Mike Koerber and Lew Weinstock. We are planning to post additional data today and would like to brief you in advance. Please join us at 9:30 a.m. Central time, 10:30 a.m. Eastern time for a short call. Our apologies for the late notice.

Here is the call-in information:

Personal Phone / Ex. 6

Thanks

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/21/2019 12:50:48 AM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Re: this is the webinar announcement

Thanks

Sent from my iPhone

On Feb 20, 2019, at 7:50 PM, Woods, Clint <woods.clint@epa.gov> wrote:

Good here.

On Feb 20, 2019, at 7:02 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

EPA webinar: Update of EPA's Ethylene Oxide Monitoring data for Willowbrook, Illinois

The U.S. Environmental Protection Agency will hold a webinar at 1 p.m. Thursday, February 21, 2019 to review air quality monitoring data for Willowbrook, Illinois, covering seven days from January 2, 2019 to January 17, 2019. For more information on this webinar, please review the details below:

Webinar:
Date: Thursday, February 21, 2019
Time: 1:00 to 2:00 (CT)
Meeting Link: Personal Privacy / Ex. 6

Phone line Personal Privacy / Ex. 6
Access code is Personal Privacy / Ex. 6

*Note: A maximum of 125 people may attend the webinar at any one time. Materials will be posted on the website after the webinar. https://www.epa.gov/il/sterigenics-willowbrook-facility

If you have never attended an Adobe Connect meeting before, test your connection by visiting http://admin.adobeconnect.com/common/help/en/support/meeting_test.htm. You may also get a quick overview by visiting http://www.adobe.com/products/adobeconnect.html.

1. Click "Enter as a Guest"
2. Type in your first & last name and organization
3. Click "Enter Room"
4. You will be in the room!

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/20/2019 11:54:52 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Please review - draft desk statement for data posting
Attachments: January data posting.Draft Statement.docx

With statement attached as a file, in case that's easier.

From: Davis, Alison
Sent: Wednesday, February 20, 2019 6:52 PM
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: Please review - draft desk statement for data posting

Deliberative Process / Ex. 5

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/20/2019 11:45:35 PM
To: thalik@willowbrook.il.us; DPOLLOCK@BURR-RIDGE.GOV; EWalter@burr-ridge.gov; tom.cuculich@dupageco.org; senatorcurran(Personal Email / Ex. 6); jdurocher@indianheadpark-il.gov; thinshaw@indianheadpark-il.gov; vsimon@gower62.com; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]; Bremer, Kristen [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b7ad6f4a11064ef08cb03aec9dc8e892-KBREMER]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Mckelvey, Laura [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=f3a2c5f041a442ea931ddb3d039236ff-LMCKELVE]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]
Subject: US EPA heads up call - ethylene oxide

Hi everyone,

I'm sending this note on behalf of Mike Koerber, who would like invite you to a short heads up call tomorrow at **8 a.m. central time** to discuss U.S. EPA's work on ethylene oxide in Willowbrook. Separately, you will receive a note from us about an afternoon webinar.

Here is the call in information for the 8 a.m. heads up call:

Personal Phone / Ex. 6

Thank you.
-Alison Davis

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/20/2019 9:14:55 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Clint - please read; Deliberative

+ Isabel

From: Davis, Alison
Sent: Wednesday, February 20, 2019 3:52 PM
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Subject: Clint - please read; Deliberative
Importance: High

Deliberative Process / Ex. 5

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/19/2019 7:32:04 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: RE: Please review - due in 30 minutes

Thanks.

From: Woods, Clint
Sent: Tuesday, February 19, 2019 2:25 PM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: Please review - due in 30 minutes

Good from my end.

From: Davis, Alison
Sent: Tuesday, February 19, 2019 2:06 PM
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: FW: Please review - due in 30 minutes
Importance: High

Deliberative Process / Ex. 5

From: Davis, Alison
Sent: Tuesday, February 19, 2019 1:34 PM
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; DeLuca, Isabel <DeLuca.Isabel@epa.gov>

Subject: Please review - due in 30 minutes
Importance: High

Hi Clint –

Michael Hawthorne is asking:

Also, why has U.S. EPA resisted the community's pleas to measure ambient concentrations of ethylene oxide where people live and go to school, similar to what the agency is doing in the Willowbrook area?

Deliberative Process / Ex. 5

Message

From: Davis, Alison [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1C309F42D5D44D18A52B027BD0112778-ADAVIS06]
Sent: 2/17/2019 7:43:51 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]
Subject: Re: Draft statement

Thank you.

Sent from my iPhone

On Feb 17, 2019, at 1:49 PM, Woods, Clint <woods.clint@epa.gov> wrote:

Deliberative Process / Ex. 5

On Feb 17, 2019, at 1:04 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

Deliberative Process / Ex. 5

Sent from my iPhone

Begin forwarded message:

From: "Thiede, Kurt" <thiede.kurt@epa.gov>
Date: February 16, 2019 at 12:19:09 PM EST
To: "Davis, Alison" <Davis.Alison@epa.gov>, "Konkus, John" <konkus.john@epa.gov>
Cc: "Wehrum, Bill" <Wehrum.Bill@epa.gov>, "Woods, Clint" <woods.clint@epa.gov>, "Harlow, David" <harlow.david@epa.gov>, "Lewis, Josh" <Lewis.Josh@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>, "Jackson, Ryan" <jackson.ryan@epa.gov>, "Grantham, Nancy" <Grantham.Nancy@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>, "Bremer, Kristen" <Bremer.Kristen@epa.gov>
Subject: Re: Draft statement

Alison and John,

Here are some additional draft language from R5 for your consideration.

Deliberative Process / Ex. 5

Kurt Thiede
Chief of Staff
EPA Region 5

Sent from my iPhone...please excuse my typos.

On Feb 16, 2019, at 10:57 AM, Davis, Alison <Davis.Alison@epa.gov> wrote:

> Here is a draft from OAR
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "Wehrum, Bill" <Wehrum.Bill@epa.gov>
> > **Date:** February 16, 2019 at 11:27:05 AM EST
> > **To:** "Davis, Alison" <Davis.Alison@epa.gov>
> > **Cc:** "Woods, Clint" <woods.clint@epa.gov>, "Harlow, David" <harlow.david@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "DeLuca,

Isabel" <DeLuca.Isabel@epa.gov>,
"Noonan, Jenny"
<Noonan.Jenny@epa.gov>
Subject: Re: please read this draft

I'm good with this.

_____
Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection
Agency
(202) 564-7404

On Feb 16, 2019, at 10:33 AM,
Davis, Alison
<Davis.Alison@epa.gov> wrote:

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Sent from my iPhone

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/13/2019 8:20:09 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Fwd: Latest Willowbrook table and maps
Attachments: 021219 v1 Willowbrook EtO Master Data Table for Web.xlsx; ATT00001.htm; Willowbrook EtO working slides Feb 12 2019.pptx; ATT00002.htm

Begin forwarded message:

From: "Koerber, Mike" <Koerber.Mike@epa.gov>
Date: February 12, 2019 at 3:59:51 PM EST
To: "Lewis, Josh" <Lewis.Josh@epa.gov>
Cc: "Woods, Clint" <woods.clint@epa.gov>
Subject: FW: Latest Willowbrook table and maps

Deliberative Process / Ex. 5

Mike

From: Weinstock, Lewis
Sent: Tuesday, February 12, 2019 3:17 PM
To: Koerber, Mike <Koerber.Mike@epa.gov>
Cc: Chen, Xi <Chen.Xi@epa.gov>; McBrian, Jenia <McBrian.Jenia@epa.gov>; Noah, Greg <Noah.Greg@epa.gov>; Thurman, James <Thurman.James@epa.gov>
Subject: Latest Willowbrook table and maps

Hi Mike:

Deliberative Process / Ex. 5

Lewis Weinstock | Group Leader | Ambient Air Monitoring Group | Air Quality Assessment Division - Mail Code C304-06 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Phone: 919-541-3661|

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/12/2019 10:46:42 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Re: External communications coming up

Good on my end

On Feb 12, 2019, at 4:44 PM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

> Clint – Here are three upcoming Willowbrook-related outreach items. Please let me know if you have any concerns.
>
> Mike
>
> ---
>
> **From:** Davis, Alison
> **Sent:** Tuesday, February 12, 2019 5:30 PM
> **To:** Koerber, Mike <Koerber.Mike@epa.gov>
> **Cc:** Weinstock, Lewis <Weinstock.Lewis@epa.gov>
> **Subject:** External communications coming up
>
> Mike,
>
> Here are the three I'm aware of. I don't have the 101 webinar date yet.
>
> Coming up this week and next:
>
> - **Planning call with Willowbrook community** (Thursday 2/14). Deliberative Process / Ex. 5
>
> Deliberative Process / Ex. 5
>
> - **Data posting (awaiting confirmation of posting date)**. OAQPS to post the next set of results from the Willowbrook monitoring. No webinar planned for this posting.
>
> - **Air Toxics 101 – Webinar -** (Tentative for late February) – Overview of how air toxics are regulated under the Clean Air Act. We have previously indicated that we would provide this webinar for the Willowbrook community.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/21/2018 11:06:22 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: RE: FYI, and checking on packet materials

Alison,

Deliberative Process / Ex. 5

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Davis, Alison
Sent: Wednesday, November 21, 2018 4:07 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: FYI, and checking on packet materials

Hi Clint,

The information on the interference issue is posted here: https://www.epa.gov/il/outdoor-air-monitoring-willowbrook-community#issue

Deliberative Process / Ex. 5

Thanks, and have a happy Thanksgiving.
-Alison

Alison Davis
Acting Director
Policy Analysis & Communications Staff
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Mobile: 919-624-0872

Appointment

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/27/2018 5:15:02 PM
To: Grantham, Nancy [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=12A3C2ED7158417FB0BB1B1B72A8CFB0-GRANTHAM, NANCY]

Subject: Declined: Willowbrook Meeting Check in
Location: Personal Phone / Ex. 6

Start: 11/27/2018 6:00:00 PM
End: 11/27/2018 6:30:00 PM

Recurrence: (none)

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/4/2019 9:38:54 PM
To: Block, Molly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=60d0c681a16441a0b4fa16aa2dd4b9c5-Block, Moll]; Palich, Christian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=330ad62e158d43af93fcbbece930d21a-Palich, Chr]; Rodrick, Christian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6515dbe46dae466da53c8a3aa3be8cc2-Rodrick, Ch]
Subject: Fwd: PLEASE REVIEW -- Holding statement and revised heads up schedule
Attachments: Revised heads up schedule.EtO data.docx; ATT00001.htm

FYI on our best guess for scheduling. We're taking a look at statement as well as developing backup schedule if we don't get go-ahead from AAW

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: February 4, 2019 at 4:20:30 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Koerber, Mike" <Koerber.Mike@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Subject: PLEASE REVIEW -- Holding statement and revised heads up schedule

Hi Clint,

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 1/11/2019 4:33:50 PM
To: Schwab, Justin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eed0f609c0944cc2bbdb05df3a10aadb-Schwab, Jus]
Subject: Fwd: Willow brook Monitoring

Begin forwarded message:

From: "Woods, Clint" <woods.clint@epa.gov>
Date: January 9, 2019 at 11:55:20 AM EST
To: "Wehrum, Bill" <Wehrum.Bill@epa.gov>
Cc: "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Wayland, Richard" <Wayland.Richard@epa.gov>, "Shaw, Betsy" <Shaw.Betsy@epa.gov>, "Gunasekara, Mandy" <Gunasekara.Mandy@epa.gov>
Subject: Re: Willow brook Monitoring

Got a call from Kurt Thiede in Region 5, and they have taken steps to make sure that local collection work continues. They are also working w/ IDEM to provide some limited maintenance around the continued monitoring at Whiting site in Indiana.

On Jan 9, 2019, at 9:57 AM, Wehrum, Bill <Wehrum.Bill@epa.gov> wrote:

All - The Administrator asked us to continue the sampling and analysis around the Willowbrook site. Please call back from furlough the personnel needed to accomplish the work. Although he did not ask for it, we also should have staff needed to expeditiously post the results and address any resulting community questions.

Bill Wehrum
Assistant Administrator
Office of Air and Radiation
U.S. Environmental Protection Agency
(202) 564-7404

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/16/2018 11:23:25 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Fwd: Follow-up: EtO at Lake County (IL)

Vantage Specialties

Deliberative Process / Ex. 5

Medline

Deliberative Process / Ex. 5

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: November 16, 2018 at 5:48:46 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>
Subject: RE: Follow-up: EtO at Lake County (IL)

Clint,

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5 This is from what we sent to Michael Hawthorne on 10/19. If we could send Mr. Brown info Monday morning, we would be able to incorporate any updates. Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Thank you.

Alison

EPA is examining emissions information from both the Vantage and Medline facilities to determine potential next steps.

The agency has been in discussions with Vantage Specialties regarding its ethylene oxide emissions. Vantage has informed us that it previously reported emissions to TRI that were significantly higher than the facility's actual emissions. Vantage's 2017 TRI ethylene oxide emissions are 918 pounds. Vantage also has indicated that it will be submitting corrections to its past TRI emissions data.

Vantage has shared its recent emission calculations, and EPA is working to review its methodology for those – specifically its calculations for fugitive emissions. EPA will review that information, along with information from a 2017 stack test the company conducted with Illinois EPA approval.

EPA is also in discussions with Medline regarding its emissions, which will be sending updated information to EPA. Medline currently does not have backvent controls and is working to add those to its facility. Once competed, these controls are expected to reduce the facility's emissions.

From: Woods, Clint
Sent: Friday, November 16, 2018 4:49 PM
To: Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Fwd: Follow-up: EtO at Lake County (IL)

Could we get Tommy our general response for Lake County?

Begin forwarded message:

From: "Brown, Tommy" <Tommy.Brown@mail.house.gov>
Date: November 16, 2018 at 4:44:06 PM EST
To: "'woods.clint@epa.gov'" <woods.clint@epa.gov>
Subject: Follow-up: EtO at Lake County (IL)

Clint—

Thanks for taking my call. I was hoping for an update on where the two Lake County facilities stand. My understanding is that EPA is working with them to assess current emissions before moving forward with a remediation plan. Are these two facilities still in full operation, or have they adjusted their emissions in any way? Where does the data collection currently stand?

Thanks in advance. Feel free to call me on my cell if you have any questions,
Personal Phone / Ex. 6

Best,

Tommy

Tommy Brown | Legislative Assistant
Rep. Brad Schneider (IL-10)
1432 Longworth HOB, Washington, DC 20515
(202) 225-4835 | www.schneider.house.gov

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/4/2019 3:45:34 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: FW: Draft AAW Talking Points - Duckworth

Mind printing 2 copies of this email?

From: Woods, Clint
Sent: Monday, February 4, 2019 10:45 AM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>
Cc: Palich, Christian <palich.christian@epa.gov>; Block, Molly <block.molly@epa.gov>
Subject: Draft AAW Talking Points - Duckworth

Bill,

For your review, below are talking points we discussed – As soon as we get the go-ahead, we can get to RJ.

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/16/2018 11:22:15 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Re: UPDATE - Lake County

Thanks so much!

On Nov 16, 2018, at 5:51 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

As soon as I sent my last email, I got an update from R5 – they found someone at home

This is what they have provided.

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/27/2018 1:49:35 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: Re: Sterigenics Comments On EPA's Statement Regarding Inaccurate Willowbrook Air Test Results

Deliberative Process / Ex. 5

On Nov 27, 2018, at 7:51 AM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

In case you haven't seen this....

From: Davis, Alison
Sent: Monday, November 26, 2018 7:01 PM
To: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: Fwd: Sterigenics Comments On EPA's Statement Regarding Inaccurate Willowbrook Air Test Results

I encourage you to read the attachment

Sent from my iPhone

Begin forwarded message:

From: "Grantham, Nancy" <Grantham.Nancy@epa.gov>
Date: November 26, 2018 at 6:23:38 PM EST
To: "Davis, Alison" <Davis.Alison@epa.gov>, "Millett, John" <Millett.John@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>, "Konkus, John" <konkus.john@epa.gov>, "Block, Molly" <block.molly@epa.gov>
Subject: FW: Sterigenics Comments On EPA's Statement Regarding Inaccurate Willowbrook Air Test Results

Nancy Grantham
Office of Public Affairs
US Environmental Protection Agency
202-564-6879 (desk)
202-253-7056 (mobile)

From: Kelley, Jeff
Sent: Monday, November 26, 2018 6:22 PM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Nam, Ed <nam.ed@epa.gov>; Thiede, Kurt <thiede.kurt@epa.gov>; Siegel, Kathryn <siegel.kathryn@epa.gov>; Singer, Joshua <Singer.Joshua@epa.gov>; Rowan, Anne <rowan.anne@epa.gov>
Subject: Sterigenics Comments On EPA's Statement Regarding Inaccurate Willowbrook Air Test Results

In case you haven't seen ...

Jeff Kelley
Director, Office of External Communications
U.S. EPA Region 5
ph: 312-353-1159

<Sterigenics+Statement+on+EPA+Flawed+Test+Results+11.26.18.pdf>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/29/2018 4:39:36 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: Fwd: Sterigenics Visit
Attachments: image003.jpg; ATT00001.htm; Sterigenics Willowbrook Town Hall Statement 11.29.18.pdf; ATT00002.htm

Begin forwarded message:

From: "Macnabb, Philip" <PMacnabb@sterigenics.com>
Date: November 29, 2018 at 10:10:15 AM CST
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Wehrum, Bill" <Wehrum.Bill@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>, "tcr@vnf.com" <tcr@vnf.com>
Subject: RE: Sterigenics Visit

Thanks Clint

Here is the statement we would like read at the Forum. Who will actually read this statement?

Philip Macnabb
President
Sterigenics, A Sotera Health company
2015 Spring Rd, Suite 650
Oak Brook, IL 60523
pmacnabb@sterigenics.com
www.sterigenics.com
O: (630) 928-1733

From: Woods, Clint [mailto:woods.clint@epa.gov]
Sent: Wednesday, November 28, 2018 11:09 AM
To: Macnabb, Philip
Cc: Wehrum, Bill; Koerber, Mike; tcr@vnf.com
Subject: Re: Sterigenics Visit

Phil,

You're right on the statement for the community meeting, and I believe Mike Koerber has been in touch with Kathy Hoffman. I think we need to be back to Ashton Place ahead of 3:00 on Thursday.

Thanks!

Clint

On Nov 28, 2018, at 10:16 AM, Macnabb, Philip <PMacnabb@sterigenics.com> wrote:

> Bill/Clint
>
> Mike spoke to Kathy Hoffman yesterday and explained that the open house will be limited to gov't and regulatory groups so that we will not need to plan to participate. We understand and will adjust accordingly. If you receive any questions whereby you need some data or information from us to answer, please let us know and we will help out the best we can.
>
> Also, on our call Monday, Clint offered the option of a statement that we could submit for the evening session, is that still an option? If so we would like to provide one to you and assume that you would want that by midday tomorrow?
>
> Finally, I believe we are confirmed for a site visit for you both on Thursday at 1pm. I was wondering how much time you have so that I can know how to set up your visit. I believe that your priority is the see the process and understand our emission controls set up. If you have other expectations, please let me know.
>
> My cell phone i[redacted] if you need to reach me during your travels for any reason.
>
> Have a safe trip.
>
> Thank you
>
> Philip Macnabb
>
> **President**

Sterigenics, A Sotera Health company

2015 Spring Rd, Suite 650

Oak Brook, IL 60523

pmacnabb@sterigenics.com

www.sterigenics.com

O: (630) 928-1733

<image002.jpg>

This e-mail and any files transmitted with it may contain privileged and/or confidential information. If you believe this e-mail or any of its attachments were not intended for you, you must not use, distribute, forward, print or copy this e-mail or any attached files. If you have received this e-mail in error, please notify the sender by reply e-mail and then immediately delete the email and all attachments.

This e-mail and any files transmitted with it may contain privileged and/or confidential information. If you believe this e-mail or any of its attachments were not intended for you, you must not use, distribute, forward, print or copy this e-mail or any attached files. If you have received this e-mail in error, please notify the sender by reply e-mail and then immediately delete the email and all attachments.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 3/5/2019 8:03:38 PM
To: Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]
Subject: FW: Q&As for review and approval
Attachments: Templates Responses (002).docx; ATT00001.htm; Other QA Ready for Review-03012019 (003).docx; ATT00002.htm

---

From: Woods, Clint
Sent: Tuesday, March 5, 2019 2:37 PM
To: Woods, Clint <woods.Clint@epa.gov>
Subject: Fwd: Q&As for review and approval

Begin forwarded message:

> **From:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Date:** March 5, 2019 at 11:59:11 AM EST
> **To:** "Woods, Clint" <woods.clint@epa.gov>
> **Cc:** "Lewis, Josh" <Lewis.Josh@epa.gov>
> **Subject: FW: Q&As for review and approval**
>
> Clint – Forgot to ask you about this yesterday. Let me know if you are okay with these. Thanks.
>
> Mike
>
> ---
>
> **From:** Koerber, Mike
> **Sent:** Friday, March 01, 2019 3:20 PM
> **To:** Woods, Clint <woods.Clint@epa.gov>
> **Cc:** Josh Lewis (Lewis.Josh@epa.gov) <Lewis.Josh@epa.gov>
> **Subject:** Q&As for review and approval
>
> Clint: For your review and approval, attached please find two sends of Willowbrook-related Q&As:
>
> - **Deliberative Process / Ex. 5**
> - **Deliberative Process / Ex. 5**
>
> Thank you and let me know if you have any questions.

Mike

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 12/6/2018 2:14:08 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Re: Today

No confirmation yet so we should plan on attending

> On Dec 6, 2018, at 9:12 AM, Rakosnik, Delaney <rakosnik.delaney@epa.gov> wrote:
>
> Okay. Side thought: I thought Ute was going to be canceled.
>
> -----Original Message-----
> From: Woods, Clint
> Sent: Thursday, December 6, 2018 9:10 AM
> To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
> Subject: Re: Today
>
> Can skip the other meetings this afternoon except the Ute meeting
>
>> On Dec 6, 2018, at 9:02 AM, Rakosnik, Delaney <rakosnik.delaney@epa.gov> wrote:
>>
>> Do you need to be in anything else that's on your calendar?
>>
>> -----Original Message-----
>> From: Woods, Clint
>> Sent: Thursday, December 6, 2018 8:57 AM
>> To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
>> Subject: Today
>>
>> Delaney,
>>
>> I am 2x booked for a few things today - I need to be in the "Willowbrook samples," Sen Collins, and ozone moot (2 hours this afternoon). And chance we might be able to shift the Maine meeting at 11 and capstone discussion at noon? Thanks!

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/19/2018 2:57:40 AM
To: Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: Re: Urgent — Mike has cleared the Hawthorne response

Kelly - Sorry for delay. I was on a plane to CA this afternoon but it looks like it got communicated

On Oct 18, 2018, at 3:38 PM, Rimer, Kelly <Rimer.Kelly@epa.gov> wrote:

> thanks
>
> On Oct 18, 2018, at 6:12 PM, Rimer, Kelly <Rimer.Kelly@epa.gov> wrote:
>
> > Clint,
> >
> > Can you take a look at this response to Michael Hawthorne's questions?
> >
> > We said we'd respond by COB today.
> >
> > Thanks
> > Kelly
> >
> > Begin forwarded message:
> >
> > > **From:** "Davis, Alison" <Davis.Alison@epa.gov>
> > > **Date:** October 18, 2018 at 6:10:01 PM EDT
> > > **To:** "Rimer, Kelly" <Rimer.Kelly@epa.gov>
> > > **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> > > **Subject: Please move for clearance**
> > >
> > > Kelly – per our discussion.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/29/2018 2:43:27 PM
To: Rodrick, Christian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6515dbe46dae466da53c8a3aa3be8cc2-Rodrick, Ch]
Subject: Re: Questions from Congressman Lipinski's Constituents

Thanks!

On Nov 29, 2018, at 8:41 AM, Rodrick, Christian <rodrick.christian@epa.gov> wrote:

Clint,

Just wanted to make sure you saw the below. Extensive list of questions from Joel in Lipinski's office that of course we will be unable to address by tonight. **Deliberative Process / Ex. 5**

Deliberative Process / Ex. 5

Christian Rodrick
(202) 564-4828

From: Rodrick, Christian
Sent: Thursday, November 29, 2018 9:04 AM
To: Creswell, Joel <Joel.Creswell@mail.house.gov>; EtO <EtO@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Mckelvey, Laura <Mckelvey.Laura@epa.gov>; Ashley, Jackie <Ashley.Jackie@epa.gov>; Haman, Patricia <Haman.Patricia@epa.gov>
Subject: RE: Questions from Congressman Lipinski's Constituents

Thanks Joel,

We will make sure they get submitted.

Christian Rodrick
(202) 564-4828

From: Creswell, Joel <Joel.Creswell@mail.house.gov>
Sent: Wednesday, November 28, 2018 5:58 PM
To: EtO <EtO@epa.gov>
Cc: Rodrick, Christian <rodrick.christian@epa.gov>
Subject: Questions from Congressman Lipinski's Constituents

Hello,

I'd like to submit the following list of questions on behalf of Congressman Lipinski. These have been posed by his constituents, and the Congressman would like to make sure they are addressed during the forum.

Thank you and best regards,

Joel Creswell, Ph.D.
Legislative Assistant

Congressman Daniel W. Lipinski (IL-03)
2346 Rayburn House Office Building
202-225-5701 | joel.creswell@mail.house.gov

- What does the EPA think of the Ontario Canada standards for ambient air concentration published in 2007 based upon their own work and review of various standards including North Carolina and California?
- What level of ambient air concentration do you PERSONALLY feel is safe and what level is being used to evaluate air in Willowbrook, Burr Ridge, Darien and Hinsdale? (Unacceptable answers include those that cites studies or include 'according to ...'). This is about PERSONALLY accountability and what you PERSONALLY feel is safe.
- Since the boiling point of EO is approximately 50 degree F and measurement being done presently in temperatures below the boiling point of EO, how is ambient air concentration going to be determined for the winter months?
- Will EPA be doing year-round tests of the ambient air forever?
- Why is Sterigenics' apparently allowed to self report their EO emissions and when are you planning on having independent reporting with community involvement in the selection?
- Sterigenics' website refers to EPA using an EO level 1,600 times lower than exposure from plant decay? They reference a World Health Organization report as the source.
- The report specifically says, "In certain plants, ethylene (a natural plant growth regulator) is degraded to ethylene oxide (Abeles & Dunn, 1985)." Additionally it states, "Quantitative estimates of production from these natural sources are not available, but emissions are expected to be negligible."
- Has the EPA done studies or are they aware of additional studies as it pertains to which plants degrade to EO and whether the emissions from these plants in fact negligible?
- Sterigenics' website refer to EPA using an EO level 19,000 times lower than the EO produce in the human body each day. They reference a report from Kirman and Hayes (neither whom are Medical Doctors) and the abstract of their report talks of an approach for derive EO within the human body based upon comparison to EO workers and smokers.
- Has the EPA (or CDC or equivalent) done a peer review of this report and what were the credentials of the peer reviewers?
- You recently announcement that you may not have measured the EO correctly. Given that you can't even measure EO which you've been regulating since the late 90's why is it allowed in a densely populated area?
- Can you confirm or deny (with data) whether there is a documented cancer cluster in the areas surrounding sterigenics? (Is there an increased incidence and/or prevalence of cancer cases within a 5 mile radius of the corporation in willowbrook as is illustrated on the NATA map?)
- What is the protocol for the old EtO assay?
- How was it developed (especially with regards to how and when it was discovered that 2-butadiene gave false positives and why it was not discovered when the assay was developed).
- What is the protocol for the new EtO assay?
- How was it developed? What testing has been done to determine what false positives or false negatives affect it?
- How long as the new EtO assay been in existence? Why was it not used to do the initial testing?
- It is my understanding that the chemical causing the false positives in the old EtO assay is 2-butadiene. What testing can be done for 2-butadiene in the area around and downwind of Sterigenics? What is the deadline for doing such testing be done? "There is no deadline." Is not an acceptable answer.
- How long has it been known that EtO is carcinogenic at much lower levels than previously understood?
- What documentation exists of when and how this was communicated to the EPA?

- Who was responsible for deciding to not develop new guidelines for it? Note that I'm looking for actual names, not just a citation of "EPA officials".
- What documentation of the decision process that resulted in not developing those new guidelines exists? When will it be made public? "I don't know" is not an acceptable answer unless it is accompanied by "but I will find out and provide those documents to the public by January 30th, 2019."
- What is the deadline for performing the new testing? What is the deadline for performing the analysis and publicly revealing the results?
- What methods are currently in place at Sterigenics to stop EtO from being emitted from the plant?
- How do they work?
- What is their efficacy?
- How are these monitored and tested to ensure that they are working properly?
- Does the EPA audit the monitoring and testing records for them?
- Does the EPA ever go on site and check those methods and machinery themselves?
- What new mechanisms and methods are being put into place?
- What are the current standards for EtO emission into the environment (as opposed to worker exposure in the facility)?
- What new standards has the EPA developed?
- Will they be based on the average of emissions over a long period of time or will emitting a large amount over a short period of time also comprise a violation of the standard?
- Where in the approval process are those new standards?
- When can we expect to see them adopted?
- What are all the different provisions for public comment or other influence in that process?
- What are the penalties for violating these standards?
- Do they hold any individuals in the company involved personally responsible?
- How are they enforced?
- What action can private individuals take to force their enforcement?
- What can be done to actually close a company that violates a standard?
- What can be done to halt Sterigenics' use of EtO until such time as new standards are developed?
- What can be done to halt Sterigenics' use of EtO, period?

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 12/6/2018 2:11:30 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Re: Today

And I need to be in 111(b) announcement on Mandy/Bill' s calendar

> On Dec 6, 2018, at 9:02 AM, Rakosnik, Delaney <rakosnik.delaney@epa.gov> wrote:
>
> Do you need to be in anything else that's on your calendar?
>
> -----Original Message-----
> From: Woods, Clint
> Sent: Thursday, December 6, 2018 8:57 AM
> To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
> Subject: Today
>
> Delaney,
>
> I am 2x booked for a few things today - I need to be in the "Willowbrook samples," Sen Collins, and ozone moot (2 hours this afternoon). And chance we might be able to shift the Maine meeting at 11 and capstone discussion at noon? Thanks!

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 3/5/2019 8:02:51 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Fwd: Q&As for review and approval
Attachments: Templates Responses (002).docx; ATT00001.htm; Other QA Ready for Review-03012019 (003).docx; ATT00002.htm

Begin forwarded message:

From: "Woods, Clint" <woods.clint@epa.gov>
Date: March 5, 2019 at 2:36:48 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>
Subject: Fwd: Q&As for review and approval

Begin forwarded message:

From: "Koerber, Mike" <Koerber.Mike@epa.gov>
Date: March 5, 2019 at 11:59:11 AM EST
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Lewis, Josh" <Lewis.Josh@epa.gov>
Subject: FW: Q&As for review and approval

Clint – Forgot to ask you about this yesterday. Let me know if you are okay with these. Thanks.

Mike

From: Koerber, Mike
Sent: Friday, March 01, 2019 3:20 PM
To: Woods, Clint <woods.Clint@epa.gov>
Cc: Josh Lewis (Lewis.Josh@epa.gov) <Lewis.Josh@epa.gov>
Subject: Q&As for review and approval

Clint: For your review and approval, attached please find two sends of Willowbrook-related Q&As:

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Thank you and let me know if you have any questions.

Mike

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/26/2018 6:41:54 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Fwd: PLEASE REVIEW -- FW: Drafts - Invites for elected officials
Attachments: DRAFT-LakeCounty elected invite 11-28.docx; ATT00001.htm; DRAFT-willowbrook elected invite 11-29.docx; ATT00002.htm

Could we set aside time for Bill & and I to participate by video on Wed afternoon?

Begin forwarded message:

> **From:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Date:** November 26, 2018 at 12:18:40 PM EST
> **To:** "Woods, Clint" <woods.clint@epa.gov>
> **Subject: FW: PLEASE REVIEW -- FW: Drafts - Invites for elected officials**
>
> Clint – Just checking on your travel plans. Do you and Bill intend to participate in the Wednesday meeting with the Lake County officials?
>
> Mike
>
> ---
>
> **From:** Koerber, Mike
> **Sent:** Friday, November 23, 2018 3:06 PM
> **To:** Woods, Clint <woods.Clint@epa.gov>
> **Subject:** Fwd: PLEASE REVIEW -- FW: Drafts - Invites for elected officials
>
> Clint - Not sure about your travel schedule, so we did not identify Bill on the Lake County invite. Let me know your plans when you can. Thanks.
>
> Sent from my iPhone
>
> Begin forwarded message:
>
>> **From:** "Davis, Alison" <Davis.Alison@epa.gov>
>> **Date:** November 23, 2018 at 3:00:23 PM EST
>> **To:** "Woods, Clint" <woods.clint@epa.gov>
>> **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>
>> **Subject: PLEASE REVIEW -- FW: Drafts - Invites for elected officials**
>>
>> Hi Clint,
>> Here are draft invitations for elected officials meetings. Jack would like to get these out. Would you review and let me know if you have edits?

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/21/2018 4:08:47 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: RE: draft web language about EtO interference issue

Good with changes in the first paragraph. One addition in 2nd in red. Thanks!

From: Davis, Alison
Sent: Wednesday, November 21, 2018 11:07 AM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: RE: draft web language about EtO interference issue
Importance: High

Hi Clint,

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

From: Woods, Clint
Sent: Wednesday, November 21, 2018 10:11 AM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: RE: draft web language about EtO interference issue

Bill had one addition below

From: Woods, Clint
Sent: Tuesday, November 20, 2018 6:11 PM
To: Davis, Alison <Davis.Alison@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: RE: draft web language about EtO interference issue

A few edits below

From: Davis, Alison
Sent: Tuesday, November 20, 2018 4:53 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: draft web language about EtO interference issue

Clint,

Deliberative Process / Ex. 5

DRAFT

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/4/2018 8:47:30 AM
To: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]
Subject: Fwd: Eto and WIllowbrook.Draft briefing paper for Acting Administrator. 10.3.18.docx
Attachments: Eto and WIllowbrook.Draft briefing paper for Administrator. 10.3.18.docx; ATT00001.htm

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: October 3, 2018 at 6:39:39 PM EDT
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>
Subject: Eto and WIllowbrook.Draft briefing paper for Acting Administrator. 10.3.18.docx

Clint,

Attached is a draft paper to update Acting Administrator Wheeler on the Willowbrook/EtO issue. A number of folks at OAQPS have reviewed (including Kelly).

Let me know if you have any questions.

Thanks.
Alison

Alison Davis
Acting Director
Policy Analysis & Communications Staff
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Personal Phone / Ex. 6

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/14/2018 10:51:47 PM
To: Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]
Subject: Re: EtO sampling plan for Sterigenics

Thanks so much - Will get back tomorrow with any feedback

On Oct 14, 2018, at 1:43 PM, Wayland, Richard <Wayland.Richard@epa.gov> wrote:

Clint

Deliberative Process / Ex. 5

Thanks
Chet

Richard A. "Chet" Wayland
Sent from my iPhone

<Sampling Plan - EtO - Sterigenics Willowbrook - Clean v2.docx>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/26/2018 11:24:24 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Fwd: Letter re: EtO emissions in Lake County
Attachments: 181026- AGO Letter to USEPA Re Lake County.pdf; ATT00001.htm

FYI

Begin forwarded message:

> **From:** "Wehrum, Bill" <Wehrum.Bill@epa.gov>
> **Date:** October 26, 2018 at 6:56:05 PM EDT
> **To:** "Gunasekara, Mandy" <Gunasekara.Mandy@epa.gov>, "Woods, Clint" <woods.clint@epa.gov>, "Lewis, Josh" <Lewis.Josh@epa.gov>, "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Davis, Alison" <Davis.Alison@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>
> **Subject: Fwd: Letter re: EtO emissions in Lake County**
>
> FYI
>
> _____
> Bill Wehrum
> Assistant Administrator
> Office of Air and Radiation
> U.S. Environmental Protection Agency
> (202) 564-7404
>
> Begin forwarded message:
>
> > **From:** "Wallace, Elizabeth" <EWallace@atg.state.il.us>
> > **Date:** October 26, 2018 at 6:42:49 PM EDT
> > **To:** "'wehrum.william@epa.gov'" <wehrum.william@epa.gov>, "Nam, Ed" <nam.ed@epa.gov>
> > **Cc:** "Dunn, Matthew" <MDunn@atg.state.il.us>
> > **Subject: Letter re: EtO emissions in Lake County**
> >
> > Hello,
> >
> > Please see attached.
> >
> > Elizabeth Wallace, Chief
> > Environmental Bureau / Chicago
> > Office of the Illinois Attorney General
> > 69 W. Washington St., 18th Flr.
> > Chicago, IL 60602
> > (312)814-5396
> > (312)814-2347 (fax)
> > ewallace@atg.state.il.us

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/26/2018 6:23:28 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Re: Could you add Bill & Mike Koerber to 4:00?

Yes.

> On Sep 26, 2018, at 2:20 PM, Rakosnik, Delaney <rakosnik.delaney@epa.gov> wrote:
>
> The call about EtO and Willowbrook?
>
> -----Original Message-----
> From: Woods, Clint
> Sent: Wednesday, September 26, 2018 2:18 PM
> To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
> Subject: Could you add Bill & Mike Koerber to 4:00?
>
> With ATSDR

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/3/2018 10:40:34 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Tsirigotis, Peter [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d19c179f3ccb4fadb48e3ae85563f132-PTSIRIGO]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Re: Eto and WIllowbrook.Draft briefing paper for Acting Administrator. 10.3.18.docx

Thanks so much!

On Oct 3, 2018, at 6:39 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

> Clint,
>
> Attached is a draft paper to update Acting Administrator Wheeler on the Willowbrook/EtO issue. A number of folks at OAQPS have reviewed (including Kelly).
>
> Let me know if you have any questions.
>
> Thanks.
> Alison
>
> ---
> Alison Davis
> Acting Director
> Policy Analysis & Communications Staff
> US EPA, Office of Air Quality Planning & Standards
> Research Triangle Park, NC 27711
> Desk: 919-541-7587
> Mobile: 919-624-0872
>
> <Eto and WIllowbrook.Draft briefing paper for Administrator. 10.3.18.docx>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/3/2018 10:40:13 PM
To: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]
Subject: Fwd: Eto and WIllowbrook.Draft briefing paper for Acting Administrator. 10.3.18.docx
Attachments: Eto and WIllowbrook.Draft briefing paper for Administrator. 10.3.18.docx; ATT00001.htm

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: October 3, 2018 at 6:39:39 PM EDT
To: "Woods, Clint" <woods.clint@epa.gov>
Cc: "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>
Subject: Eto and WIllowbrook.Draft briefing paper for Acting Administrator. 10.3.18.docx

Clint,

Attached is a draft paper to update Acting Administrator Wheeler on the Willowbrook/EtO issue. A number of folks at OAQPS have reviewed (including Kelly).

Let me know if you have any questions.

Thanks.
Alison

Alison Davis
Acting Director
Policy Analysis & Communications Staff
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Mobile: 919-624-0872

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/20/2018 11:10:46 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]
Subject: RE: draft web language about EtO interference issue

A few edits below

From: Davis, Alison
Sent: Tuesday, November 20, 2018 4:53 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Koerber, Mike <Koerber.Mike@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>
Subject: draft web language about EtO interference issue

Clint,
Here is some draft language for your review. Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

DRAFT

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Appointment

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/25/2018 8:34:08 PM
To: Cory, Preston (Katherine) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bfd80b15f6d04a3ba11fc8ca3c85bc50-Cory, Kathe]

Subject: FW: Meeting re: Willowbrook
Attachments: FW: DC Next Week
Location: WJC - N 5400

Start: 9/26/2018 2:00:00 PM
End: 9/26/2018 2:30:00 PM
Show Time As: Tentative

From: Wehrum, Bill
Sent: Friday, September 21, 2018 3:15:23 PM UTC
To: Wehrum, Bill; Woods, Clint; Stepp, Cathy; Thiede, Kurt
Cc: Payne, James
Subject: Meeting re: Willowbrook
When: Wednesday, September 26, 2018 2:00 PM-2:30 PM.
Where: WJC - N 5400

TO: Bill Wehrum, Clint Woods, Cathy Stepp, Kurt Thiede

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/26/2018 4:43:55 PM
To: DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: Fwd: fact sheet edits
Attachments: Background Materials for Willowbrook -9-26-18 draft.docx; ATT00001.htm

Begin forwarded message:

From: "Woods, Clint" <woods.clint@epa.gov>
Date: September 26, 2018 at 9:01:18 AM EDT
To: "Koerber, Mike" <Koerber.Mike@epa.gov>
Subject: fact sheet edits

Attached for review

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/14/2018 4:25:35 PM
To: Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]
Subject: Fwd: FOR REVIEW: Monitoring write-up for the web
Attachments: Monitoring in the Willowbrook Community -DRAFTfinal.docx; ATT00001.htm

This was posted in last 24 hrs

Begin forwarded message:

From: "Woods, Clint" <woods.clint@epa.gov>
Date: November 13, 2018 at 2:11:05 PM EST
To: "Lyons, Troy" <lyons.troy@epa.gov>, "Palich, Christian" <palich.christian@epa.gov>
Subject: FW: FOR REVIEW: Monitoring write-up for the web

Monitoring fact sheet which might be helpful

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Koerber, Mike
Sent: Tuesday, November 13, 2018 1:18 PM
To: Woods, Clint <woods.clint@epa.gov>
Cc: Lewis, Josh <Lewis.Josh@epa.gov>
Subject: FW: FOR REVIEW: Monitoring write-up for the web

Clint – As you know, Region 5 is starting monitoring today. We'd like to post the attached write-up on the website today also. Please let me know if you have any comments or concerns. Thanks.

Mike

From: Bremer, Kristen
Sent: Tuesday, November 13, 2018 1:11 PM
To: Koerber, Mike <Koerber.Mike@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Shappley, Ned <Shappley.Ned@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>
Subject: RE: FOR REVIEW: Monitoring write-up for the web

Here's the clean version that includes input/edits from you, Lew, Ned and Darcie.

Thanks!

_____
Kristen Bremer
Policy Analysis & Communications

U.S. EPA, Office of Air Quality Planning & Standards
Email: bremer.kristen@epa.gov
Phone: 919.541.9424
Cell: 919.321.7652

From: Koerber, Mike
Sent: Tuesday, November 13, 2018 12:18 PM
To: Bremer, Kristen <Bremer.Kristen@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Shappley, Ned <Shappley.Ned@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>
Subject: RE: FOR REVIEW: Monitoring write-up for the web

Edits attached. Mostly, I tried to simplify the discussion. Please send me a clean version when you have it, so I can run it by OAR.

Mike

From: Bremer, Kristen
Sent: Tuesday, November 13, 2018 11:56 AM
To: Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Shappley, Ned <Shappley.Ned@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: FOR REVIEW: Monitoring write-up for the web
Importance: High

Hi All,

I received feedback from Darcie, and Ned provided the map. Please take a look at the latest version and let me know if you have any additional edits. We'd like to get this posted on the website today. Thanks!

_____

Kristen Bremer
Policy Analysis & Communications
U.S. EPA, Office of Air Quality Planning & Standards
Email: bremer.kristen@epa.gov
Phone: 919.541.9424
Cell: Personal Phone / Ex. 6

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/23/2018 2:01:11 PM
To: Messina, Alec [Alec.Messina@illinois.gov]
Subject: RE: Sterigenics US LLC

Sounds great – Think we will be back in touch to try to find a time as soon as today or early tomorrow. Thanks!

From: Messina, Alec [mailto:Alec.Messina@illinois.gov]
Sent: Tuesday, October 23, 2018 9:49 AM
To: Woods, Clint <woods.clint@epa.gov>
Subject: RE: Sterigenics US LLC

Thanks for the email, Clint.

Happy to have a technical team to technical team discussion, so that works for us. We do, however, need to schedule that discussion as soon as possible. In addition to a legislative hearing this Friday, we continue to work collaboratively with our Attorney General's Office to come to an appropriate resolution on this matter. Having a sense of where you are headed and what information you will be collecting is therefore critical to IEPA.

Will we be able to have this technical meeting this week?

Alec

From: Woods, Clint <woods.clint@epa.gov>
Sent: Tuesday, October 23, 2018 8:43 AM
To: Messina, Alec <Alec.Messina@illinois.gov>
Subject: [External] FW: Sterigenics US LLC

Alec,

We will be back in touch here to see if we can set up a call regarding modeling/monitoring plans in near future – Per our conversation, think it makes sense to focus that initial conversation on technical team in your shop but we're happy to discuss more broadly. Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Begin forwarded message:

> **From:** "Wayland, Richard" <Wayland.Richard@epa.gov>
> **Date:** October 22, 2018 at 7:55:05 AM EDT
> **To:** "Woods, Clint" <woods.clint@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Cc:** "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>, "Fox,

Tyler" <Fox.Tyler@epa.gov>
Subject: FW: Sterigenics US LLC

Clint,

Just heard back from John Kim, Chief Legal Counsel for IL EPA. They received the 1-pager we sent them and still would like a conversation with us. He specifically is asking for availability this week and whether we are ok with IL Attorney General being on that call or not. I am on travel most of this week at the E-Enterprise 2018 Conference in Dallas, but I can easily hop on a call along with some of our key modeling and monitoring folks if we're ok having the follow up call. Please let me know if you're comfortable with us moving forward and whether we are ok with the IL AG participating or not. They offered ot talk with us either way (with or without).

Thanks
Chet

Richard A. "Chet" Wayland | Director | Air Quality Assessment Division - Mail Code C304-02 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Desk: 919-541-4603 | Cell: 919-606-0548 |

From: Kim, John J. [mailto:John.J.Kim@Illinois.gov]
Sent: Thursday, October 11, 2018 2:25 PM
To: Wayland, Richard <Wayland.Richard@epa.gov>
Subject: Sterigenics US LLC

Thank you for taking time to speak with me on the phone today. To recap, my request was for a phone call with you or your staff so that interested government representatives in Illinois (from the Illinois EPA and the Illinois Attorney General's Office) can better understand what the scope and parameters of modeling to be done based on recent stack test results from the Sterigenics facility in Willowbrook, Illinois.

We are interested in learning about what goals are being pursued, estimates of timelines, relation of modeling to ambient air modeling, and related subjects. This would help greatly with the State's efforts to effectively respond to the conditions at the Sterigenics facility in an appropriate manner.

I look forward to hearing from you.

John K.

- -

John J. Kim
Chief Legal Counsel
Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue, East
P.O. Box 19276
Springfield, IL 62794-9276
217.785.8628
217.782.9807 (Fax)
E-mail: john.j.kim@illinois.gov

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/14/2018 4:25:04 PM
To: Jackson, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=38bc8e18791a47d88a279db2fec8bd60-Jackson, Ry]; Lyons, Troy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=15e4881c95044ab49c6c35a0f5eef67e-Lyons, Troy]
Subject: Fwd: Willowbrook EtO canister pictures

Begin forwarded message:

From: "Koerber, Mike" <Koerber.Mike@epa.gov>
Date: November 14, 2018 at 9:42:30 AM EST
To: "Woods, Clint" <woods.clint@epa.gov>
Subject: Fwd: Willowbrook EtO canister pictures

FYI

Sent from my iPhone

Begin forwarded message:

From: "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
To: "Koerber, Mike" <Koerber.Mike@epa.gov>, "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Bremer, Kristen" <Bremer.Kristen@epa.gov>
Cc: "Shappley, Ned" <Shappley.Ned@epa.gov>
Subject: Willowbrook EtO canister pictures

FYI

Lewis Weinstock | Group Leader | Ambient Air Monitoring Group | Air Quality Assessment Division - Mail Code C304-06 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Phone: 919-541-3661|

From: Nwia, Jacqueline
Sent: Tuesday, November 13, 2018 4:46 PM
To: Chen, Xi <Chen.Xi@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Cc: Rice, Joann <Rice.Joann@epa.gov>; McBrian, Jenia <McBrian.Jenia@epa.gov>; Compher, Michael <compher.michael@epa.gov>
Subject: RE: Willowbrook EtO canister question

Yes and I've attached them here for you as well. The last photo is at our Willowbrook Warehouse (single canister) and the first and second photos are of the tripod at the Village of willowbrook property (with primary and collocated canister).

Jackie

Jacqueline Nwia

Environmental Scientist
Air Monitoring and Analysis Section
Air Toxics and Assessment Branch
Air and Radiation Division
U.S. Environmental Protection Agency, Region 5
77 West Jackson Blvd. (AR-18)
Chicago, IL 60604
ph. (312) 886-6081
nwia.jacqueline@epa.gov

From: Chen, Xi
Sent: Tuesday, November 13, 2018 3:39 PM
To: Nwia, Jacqueline <nwia.jacqueline@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>
Cc: Rice, Joann <Rice.Joann@epa.gov>; McBrian, Jenia <McBrian.Jenia@epa.gov>; Compher, Michael <compher.michael@epa.gov>
Subject: RE: Willowbrook EtO canister question

Hi Jackie,
Do you happen to have photos taken for the canisters and tripods in the field? If you do, I can include them in the QAPP.

Thanks,
Doris

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/17/2018 10:37:07 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: RE: Proposal for the Willowbrook community meeting.

Mike,

This looks good to me. Happy to discuss any questions following conversation w/ Bill tmrw. Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: Koerber, Mike
Sent: Tuesday, October 16, 2018 8:27 AM
To: Woods, Clint <woods.clint@epa.gov>
Subject: FW: Proposal for the Willowbrook community meeting.

Clint: Here is a straw proposal for the community meeting. Laura has her next planning call with the community workgroup on Thursday morning. Let me know if you'd like us to walk you through this before then – should only take about 15 minutes. We will include an update on this when we meet with Bill on Thursday afternoon.

Mike

From: Mckelvey, Laura
Sent: Tuesday, October 16, 2018 8:24 AM
To: Koerber, Mike <Koerber.Mike@epa.gov>
Subject: Proposal for the Willowbrook community meeting.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/23/2018 1:42:36 PM
To: Messina, Alec [Alec.Messina@illinois.gov]
Subject: FW: Sterigenics US LLC

Alec,

We will be back in touch here to see if we can set up a call regarding modeling/monitoring plans in near future – Per our conversation, think it makes sense to focus that initial conversation on technical team in your shop but we're happy to discuss more broadly. Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Begin forwarded message:

From: "Wayland, Richard" <Wayland.Richard@epa.gov>
Date: October 22, 2018 at 7:55:05 AM EDT
To: "Woods, Clint" <woods.clint@epa.gov>, "Koerber, Mike" <Koerber.Mike@epa.gov>
Cc: "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>, "Fox, Tyler" <Fox.Tyler@epa.gov>
Subject: FW: Sterigenics US LLC

Clint,

Just heard back from John Kim, Chief Legal Counsel for IL EPA. They received the 1-pager we sent them and still would like a conversation with us. He specifically is asking for availability this week and whether we are ok with IL Attorney General being on that call or not. I am on travel most of this week at the E-Enterprise 2018 Conference in Dallas, but I can easily hop on a call along with some of our key modeling and monitoring folks if we're ok having the follow up call. Please let me know if you're comfortable with us moving forward and whether we are ok with the IL AG participating or not. They offered ot talk with us either way (with or without).

Thanks
Chet

Richard A. "Chet" Wayland | Director | Air Quality Assessment Division - Mail Code C304-02 | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | Research Triangle Park, NC 27711 | Desk: 919-541-4603 | Cell: 919-606-0548 |

From: Kim, John J. [mailto:John.J.Kim@Illinois.gov]
Sent: Thursday, October 11, 2018 2:25 PM
To: Wayland, Richard <Wayland.Richard@epa.gov>
Subject: Sterigenics US LLC

Thank you for taking time to speak with me on the phone today. To recap, my request was for a phone call with you or your staff so that interested government representatives in Illinois (from the Illinois EPA and the Illinois Attorney General's Office) can better understand what the scope and parameters of modeling to be done based on recent stack test results from the Sterigenics facility in Willowbrook, Illinois.

We are interested in learning about what goals are being pursued, estimates of timelines, relation of modeling to ambient air modeling, and related subjects. This would help greatly with the State's efforts to effectively respond to the conditions at the Sterigenics facility in an appropriate manner.

I look forward to hearing from you.

John K.

- -

John J. Kim
Chief Legal Counsel
Illinois Environmental Protection Agency
Division of Legal Counsel
1021 North Grand Avenue, East
P.O. Box 19276
Springfield, IL 62794-9276
217.785.8628
217.782.9807 (Fax)
E-mail: john.j.kim@illinois.gov

State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/17/2018 10:30:40 PM
To: Messina, Alec [Alec.Messina@illinois.gov]
Subject: FW: EtO Overview
Attachments: Sampling and Modeling Plan - EtO - Sterigenics Willowbrook_Oct 17.docx

Alec,

Please see attached summary of monitoring & risk assessment plans for your use. Would welcome the chance to schedule some time between technical teams soon. Thanks!

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/26/2018 1:24:35 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Fwd: fact sheet edits
Attachments: Background Materials for Willowbrook -9-26-18 draft REVISED2.docx; ATT00001.htm

Could you print 10 clean copies of this for 9:30?

Begin forwarded message:

> **From:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Date:** September 26, 2018 at 9:21:36 AM EDT
> **To:** "Woods, Clint" <woods.clint@epa.gov>
> **Cc:** "Rimer, Kelly" <Rimer.Kelly@epa.gov>, "Lewis, Josh" <Lewis.Josh@epa.gov>
> **Subject: RE: fact sheet edits**
>
> Clint: Here is a clean version with your edits and one edit we added on page 1.
>
> ---
>
> **From:** Woods, Clint
> **Sent:** Wednesday, September 26, 2018 9:01 AM
> **To:** Koerber, Mike <Koerber.Mike@epa.gov>
> **Subject:** fact sheet edits
>
> Attached for review
>
> Clint Woods
> Deputy Assistant Administrator
> Office of Air and Radiation, U.S. EPA
> 202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/26/2018 1:10:45 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Re: fact sheet edits

Thanks - Feedback from Bill is that, assuming R5 has robust attendance for Friday, he would like to see if OAR can have an in-person presence. Emily will be looking at options for me. Also, Sterigenics will be here at 1:00 and we will add you to invite.

On Sep 26, 2018, at 9:07 AM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

> Got it – will add our edits and send back to you momentarily
>
> ---
>
> **From:** Woods, Clint
> **Sent:** Wednesday, September 26, 2018 9:01 AM
> **To:** Koerber, Mike <Koerber.Mike@epa.gov>
> **Subject:** fact sheet edits
>
> Attached for review
>
> Clint Woods
> Deputy Assistant Administrator
> Office of Air and Radiation, U.S. EPA
> 202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/27/2018 6:55:08 PM
To: Messina, Alec [Alec.Messina@illinois.gov]
Subject: Letter
Attachments: Signed Response to Hon. Bruce Rauner, Governor of IL re Willowbrook -- OAR-18-001-1156.pdf

Giving you a call

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/26/2018 1:01:18 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: fact sheet edits
Attachments: Background Materials for Willowbrook -9-26-18 draft.docx

Attached for review

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Appointment

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 11/20/2018 4:22:22 PM
To: Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]

Subject: FW: EtO Update
Attachments: Re: EtO Update
Location: WJC-N 5400 Personal Phone / Ex. 6

Start: 11/20/2018 5:15:00 PM
End: 11/20/2018 5:45:00 PM
Show Time As: Tentative

From: Wehrum, Bill
Sent: Tuesday, November 20, 2018 3:48:01 PM UTC
To: Wehrum, Bill; Woods, Clint; Rimer, Kelly; Weinstock, Lewis; Koerber, Mike; Davis, Alison; Tsirigotis, Peter; Dominguez, Alexander
Cc: Harlow, David
Subject: EtO Update
When: Tuesday, November 20, 2018 5:15 PM-5:45 PM.
Where: WJC-N 5400 Personal Phone / Ex. 6

To: Bill Wehrum, Clint Woods, Kelly Rimer, Lewis Weinstock, Alison Davis, Peter Tsirigotis, Alex Dominguez

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/5/2019 3:30:13 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: FW: current slides and data table
Attachments: Willowbrook EtO Webinar slides for Feb 5 2019v5.pptx; ATT00001.htm; V8Willowbrook EtO Master Data Table for Web.xlsx; ATT00002.htm

Mind printing out the powerpoint?

From: Koerber, Mike
Sent: Tuesday, February 5, 2019 9:27 AM
To: Woods, Clint <woods.Clint@epa.gov>
Subject: Fwd: current slides and data table

Materials for posting and webinar. Comments?

Sent from my iPhone

Begin forwarded message:

> **From:** "Cortelyou-Lee, Jan" <Cortelyou-Lee.Jan@epa.gov>
> **Date:** February 5, 2019 at 9:24:38 AM EST
> **To:** "Koerber, Mike" <Koerber.Mike@epa.gov>
> **Cc:** "Terry, Sara" <Terry.Sara@epa.gov>, "Davis, Alison" <Davis.Alison@epa.gov>
> **Subject: current slides and data table**

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/17/2018 1:25:16 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Lewis, Josh [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b22d1d3bb3f84436a524f76ab6c79d7e-JOLEWIS]
Subject: Re: Please read: EtO Weekly update

Great idea!

On Oct 17, 2018, at 7:20 AM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

Josh: FYI. We will send this to you for distribution within OAR. The first edition will be sent late Thursday/early Friday.

Mike

From: Davis, Alison
Sent: Tuesday, October 16, 2018 6:31 PM
To: Bremer, Kristen <Bremer.Kristen@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Lassiter, Penny <Lassiter.Penny@epa.gov>; Lessard, Patrick <Lessard.Patrick@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Shappley, Ned <Shappley.Ned@epa.gov>; Weinstock, Lewis <Weinstock.Lewis@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>; Caparoso, Jennifer <Caparoso.Jennifer@epa.gov>; Mckelvey, Laura <Mckelvey.Laura@epa.gov>; Riha, Kristin <Riha.Kristin@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Chen, Xi <Chen.Xi@epa.gov>; Witt, Jon <Witt.Jon@epa.gov>; Jones, Rhea <Jones.Rhea@epa.gov>; Wilson, Holly <Wilson.Holly@epa.gov>; Thurman, James <Thurman.James@epa.gov>; Hollingsworth, Terri <Hollingsworth.Terri@epa.gov>; Long, Pam <Long.Pam@epa.gov>
Subject: Please read: EtO Weekly update

Hi everyone,

We're going to start providing a weekly EtO update to Bill, Clint and the Office of Public Affairs. We'd like everyone on the team to contribute.

Things to include could include the status of stack test results, monitoring plan, etc. – much like the status report you provide in the Tuesday/Thursday meetings . We're not looking for much detail for this document – just a sentence or two. Here's a made-up entry for outreach as an example:

- 10/17 - Held initial planning call for public meeting. Participants included mayors of Willowbrook, Burr Ridge and Darien, members of the Stop Sterigenics Group, and staff from OAQPS and R5. Public meeting scheduled for **XX**.

I'm attaching the "form" for the update. Please add anything any status updates you think should be included by **noon Thursday, 10/18.** This is a one drive file, so everyone just keep adding.

Thanks!
-Alison

<Ethylene Oxide Weekly Update. Internal Use.docx>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/1/2018 10:04:33 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
CC: Dominguez, Alexander [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5ced433b4ef54171864ed98a36cb7a5f-Dominguez,]
Subject: Re: Sterigenics Willowbrook Facility Documents | EPA in Illinois | US EPA

Thanks! Forwarding you a Request from Ryan in the Admin's Office.

On Oct 1, 2018, at 6:03 PM, Koerber, Mike <Koerber.Mike@epa.gov> wrote:

> I was just about to send an email. Alison has been working with Region 5 all afternoon and they're close to a final webpage. We'll send you the link as soon as it's live.
>
> Mike
>
> ---
>
> **From:** Woods, Clint
> **Sent:** Monday, October 01, 2018 6:02 PM
> **To:** Koerber, Mike <Koerber.Mike@epa.gov>
> **Subject:** Sterigenics Willowbrook Facility Documents | EPA in Illinois | US EPA
>
> Mike - What's our timeline on updating/restoring content?
>
> https://www.epa.gov/il/sterigenics-willowbrook-facility-documents
>
> # Sterigenics Willowbrook Facility Documents
>
> Documents related to the Sterigenics Willowbrook Facility. See also: Hazardous Air Pollutants: Ethylene Oxide
>
> U.S. EPA is working with Illinois EPA and Sterigenics to reduce emissions of ethylene oxide. In July, the company installed additional pollution controls to capture ethylene oxide emissions. U.S. EPA and Illinois EPA will monitor the effectiveness of the new equipment to determine whether any other actions are needed.
>
> - ATSDR's July analysis(PDF)(19pp, 2MB, About PDF)
>
> You may need a PDF reader to view some of the files on this page. See EPA's About PDF page to learn more.
>
> - Sterigenics Air Sampling Summary (PDF)(2 pp, 596 K, May 16-18, 2018)

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/2/2018 2:54:19 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: Sterigenics Willowbrook Facility Documents | EPA in Illinois | US EPA

https://www.epa.gov/il/sterigenics-willowbrook-facility-documents

Sterigenics Willowbrook Facility Documents

Documents related to the Sterigenics Willowbrook Facility. See also: Hazardous Air Pollutants: Ethylene Oxide

U.S. EPA is working with Illinois EPA and Sterigenics to reduce emissions of ethylene oxide. In July, the company installed additional pollution controls to capture ethylene oxide emissions. U.S. EPA and Illinois EPA will monitor the effectiveness of the new equipment to determine whether any other actions are needed.

- ATSDR's July analysis(PDF)(19pp, 2MB, About PDF)

You may need a PDF reader to view some of the files on this page. See EPA's About PDF page to learn more.

- Sterigenics Air Sampling Summary (PDF)(2 pp, 596 K, May 16-18, 2018)

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/8/2018 11:15:34 PM
To: Cory, Preston (Katherine) [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bfd80b15f6d04a3ba11fc8ca3c85bc50-Cory, Kathe]
CC: Gunasekara, Mandy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=53d1a3caa8bb4ebab8a2d28ca59b6f45-Gunasekara,]
Subject: Re: Willowbrook, IL - EPA Report

Preston,

Happy to discuss background with anyone who is interested. Report is actually from ATSDR but can provide backdrop of R5 efforts and, more importantly, our national efforts to communicate and address risk related to ethylene oxide and the National Air Toxics Assessment.

Thanks!

Clint

On Sep 8, 2018, at 5:15 PM, Cory, Preston (Katherine) <Cory.Preston@epa.gov> wrote:

FYI below.

K. Preston Cory
U.S. Environmental Protection Agency
Congressional and Intergovernmental Relations
202-579-4281

Begin forwarded message:

From: "Pottebaum, Nic D. EOP/WHO" <Personal Email / Ex. 6 @who.eop.gov>
Date: September 8, 2018 at 4:32:18 PM EDT
To: Preston Cory <cory.preston@epa.gov>
Cc: "Hoelscher, Douglas L. EOP/WHO" <Douglas.L.Hoelscher@who.eop.gov>
Subject: Willowbrook, IL - EPA Report

Preston,

Heads up - Illinois Governor's Office may call you if they haven't already. Their office called me today on a report EPA Region 5 released. The town (Willowbrook, IL) along with Governor and local Congressman (Roskam) are expressing concerns over a report about cancer risks in the community.

The Governor's office has criticism over the rollout of the report. Additionally, it sounds like EPA is now walking back some of the report as they cannot say if there is risk of cancer in the community.

Article with more details below.

Thanks,
Nic

Willowbrook residents voice concerns over cancer risks at community meeting

WILLOWBROOK, Ill. -- On Wednesday night, experts tried to ease fears, but for the people who live in Willowbrook, it's simple: They don't want a cancer-causing chemical in their community.

Hundreds showed up at community meeting to learn more about a chemical a sterilization services company is emitting into the air in Willowbrook.

The company is Sterigenics and the chemical in question is ethylene oxide, which experts say is a carcinogen.

"This is no longer just a suspected carcinogen but on the weight of the evidence it's a known human carcinogen joining asbestos, cigarette smoke and very few other chemicals as known human carcinogens," Dr. Peter Orris, University of Illinois at Chicago, said.

The meeting began with CDC and EPA experts discussing rigorous testing at the site, but these concerned residents didn't want to hear it.

"I think I speak for the majority of people here. We want you out! Goodbye," one resident said at the meeting. "We don't want you in our community. Shame on you putting a place like you run in our community around four schools and a daycare. Cheers."

"How many people think this company should not operate from now until they prove they are not causing these side effects?" one man said. The audience responded with cheers.

Representatives from Sterigenics tried to reassure the public.

"We do at the facility have continuous monitors to measure ethylene oxide concentrations," Kathy Hoffman, senior vice president of Sterigenics, said.

Sterigenics is owned by a private equity firm co-founded by Gov. Bruce Rauner. Rauner left the firm in 2012 before running for governor.

On Tuesday, Rauner urged people to remain calm.

"I believe that company took the actions themselves, put in control equipment to reduce the emissions…So, this is, and the federal government, I wish they said it earlier, but they said it, I guess, in the last day or two, they put out a letter. This is not an emergency, this is not a public health immediate crisis, this is something we're managing," he said.

But the mayor of Willowbrook, who can see the company outside his office window, calls the situation urgent.

"It's an emergency to me because all my citizens are concerned as well as all the employees here and I'm sure all the people who work in this area are and I am," Frank Trilla said.

Link: https://wgntv.com/2018/08/29/willowbrook-meets-to-address-cancer-concerns/

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/4/2018 7:04:21 PM
To: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]
Subject: RE: Sterigenics Test Plan - OAQPS comments

Thanks!

From: Koerber, Mike
Sent: Tuesday, September 4, 2018 2:30 PM
To: Wehrum, Bill <Wehrum.Bill@epa.gov>; Woods, Clint <woods.clint@epa.gov>
Cc: Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>
Subject: FW: Sterigenics Test Plan - OAQPS comments

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/5/2018 7:13:53 PM
To: kayala@dupagehealth.org
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: RE: Request for Formal Recommendations

Karen,

Thanks so much for DuPage County's recent request for recommendations for groundwater concerns in Willowbrook, IL. I wanted to make sure to acknowledge receipt of this request and let you know that we have gathered a group of EPA experts from the Agency's Office of Water (Office of Ground Water and Drinking Water), Office of Air and Radiation (Office of Air Quality Planning and Standards) and Region 5 to quickly assess the scientific information available in regard to any potential groundwater impacts in Willowbrook. We hope to be in touch with more information shortly.

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 8/27/2018 2:18:18 PM
To: Grantham, Nancy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=12a3c2ed7158417fb0bb1b1b72a8cfb0-Grantham, Nancy]
CC: Konkus, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=555471b2baa6419e8e141696f4577062-Konkus, Joh]; Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Cortelyou-Lee, Jan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=75b1eec7b16e46d5b9114935fc6a771e-JCORTELY]; Millett, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c067caa6c93544f78c26ab08cc567d27-Millett, John]
Subject: Re: Draft website -- fact sheet for willowbrook

Deliberative Process / Ex. 5

On Aug 27, 2018, at 9:45 AM, Grantham, Nancy <Grantham.Nancy@epa.gov> wrote:

All –

Keeping everyone looped in -- Mayor of Willowbrook looking for epa to produce a fact sheet for the community meeting tomorrow night.

Deliberative Process / Ex. 5

Thanks ng

Nancy Grantham
Office of Public Affairs
US Environmental Protection Agency
202-564-6879 (desk)
202-253-7056 (mobile)

From: Kelley, Jeff
Sent: Sunday, August 26, 2018 7:14 PM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: Draft website

<Sterigenics_8.22 web copy.pdf>

Jeff Kelley
Director, Office of External Communications
U.S. EPA Region 5
ph: 312-353-1159

Appointment

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/4/2018 5:52:52 PM
To: Nam, Ed [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A2653F1DDD59470688BA557DD84D9690-NAM, ED]

Subject: Accepted: Sterigenics
Location: Conf: Personal Phone / Ex. 6

Start: 9/4/2018 6:00:00 PM
End: 9/4/2018 6:30:00 PM

Recurrence: (none)

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 10/16/2018 2:31:17 PM
To: Wayland, Richard [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d69f0a870909402ebd66847003aa6437-Wayland, Chet]
Subject: RE: EtO sampling plan for Sterigenics

That sounds great – Thanks!

From: Wayland, Richard
Sent: Tuesday, October 16, 2018 9:26 AM
To: Woods, Clint <woods.clint@epa.gov>
Subject: Re: EtO sampling plan for Sterigenics

That should work. Do you want to just call me on my cell? I am here at NACAA but can easily slide out at 1:30. My cell is Personal Phone / Ex. 6

Thanks
Chet

Richard A. "Chet" Wayland
Sent from my iPhone

On Oct 16, 2018, at 9:14 AM, Woods, Clint <woods.clint@epa.gov> wrote:

> Thanks! Any chance 1:30 eastern might work?
>
> On Oct 15, 2018, at 11:35 PM, Wayland, Richard <Wayland.Richard@epa.gov> wrote:
>
> > Sure. I am at NACAA tomorrow but should have time to chat. Let me know when might be good for you.
> >
> > Chet
> >
> > Richard A. "Chet" Wayland
> > Sent from my iPhone
> >
> > On Oct 15, 2018, at 6:44 PM, Woods, Clint <woods.clint@epa.gov> wrote:
> >
> > > Chet,
> > >
> > > Thanks again - I'm OK with sampling plan but have a couple related questions. Any chance we could touch base tomorrow or Wed?
> > >
> > > Clint
> > >
> > > On Oct 14, 2018, at 1:43 PM, Wayland, Richard <Wayland.Richard@epa.gov> wrote:
> > >
> > > > Clint

Deliberative Process / Ex. 5

Thanks
Chet

Richard A. "Chet" Wayland
Sent from my iPhone

<Sampling Plan - EtO - Sterigenics Willowbrook - Clean v2.docx>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/18/2018 1:17:47 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Fwd: Sterigenics Test Plan - OAQPS comments

Begin forwarded message:

From: "Koerber, Mike" <Koerber.Mike@epa.gov>
Date: September 4, 2018 at 2:30:09 PM EDT
To: "Wehrum, Bill" <Wehrum.Bill@epa.gov>, "Woods, Clint" <woods.clint@epa.gov>
Cc: "Tsirigotis, Peter" <Tsirigotis.Peter@epa.gov>
Subject: FW: Sterigenics Test Plan - OAQPS comments

Bill, Clint: Bottom line –

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 12/11/2018 12:28:12 PM
To: tcr@vnf.com [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=60634a7f78964380838648935cd3d7b1-tcr@vnf.com]
Subject: Re: Representative Lipinski's Statement

Believe it is Tuesday

On Dec 10, 2018, at 5:54 PM, Tom Roberts <tcr@vnf.com> wrote:

Clint -- Phil and I heard different dates for next week's webinar. Is is Monday or Tuesday? Thanks.

Tom Roberts
(202) 365-7750 (c) | tcr@vnf.com

From: Tom Roberts
Sent: Monday, December 10, 2018 5:15 PM
To: 'Woods, Clint'
Subject: Representative Lipinski's Statement

Clint – FYI

Shut Down Illinois Medical Equipment Sterilizer, House Member Says
Bloomberg Law
By Stephen Joyce
10 December 2018

- *Two of eight monitoring sites near Sterigenics plant detect ethylene oxide*
- *EPA to lead briefing on findings*

Rep. Dan Lipinski (D-Ill.) wants a Willowbrook, Ill., facility emitting ethylene oxide, a suspected carcinogen, to shut down unless data can show the facility isn't a threat to human health.

Lipinski's comment came after the Environmental Protection Agency's resultsfrom three rounds of air testing for ethylene oxide emissions near a Sterigenics U.S. LLC facility which uses the chemical to sterilize medical equipment.

The tests, taken in November and released Dec. 7, showed emissions exceeded 6 micrograms per cubic meter of air at two of eight monitoring sites. Ethylene oxide levels at the six other sites, including schools and parks near the facility, either found it was not present or it was there below detection limits.

"This initial data does not allay concerns about Sterigenics' threat to community health but only amplifies those concerns," Lipinski said in a Dec. 10 statement to Bloomberg Environment. "These results appear to leave the EPA with only once choice and that is to shut the plant."

Chemical Poses Risks

The testing confirmed ethylene oxide emissions from the facility are entering the air at concentrations that could have negative human health consequences. Many of Willowbrook's residents as well as state

and federal legislators want the facility shut down, at least temporarily, until more is known about the emissions' effect on human health.

The EPA will hold a meeting discussing the test results during the week of Dec. 17, a congressional staff member briefed by EPA on the results told Bloomberg Environment.

In a statement, Sterigenics said its facility "has operated, and continues to operate, well within the limits of its permit and the regulations," and further said the facility's sterilization work helps prevent medical infection and thus safeguards human health every day.

Before EPA released the data it provided a telephone briefing on the testing to Sens. Richard Durbin (D-Ill.) and Tammy Duckworth (D-Ill.), as well as Reps. William Foster (D-Ill.), Lipinski, and Brad Schneider (D-Ill.) on the testing results.

In addition to Lipinski, Illinois state Sen. John Curran (R) has called for the facility to shut down.

A 2016 EPA study concluded ethylene oxide is carcinogenic to humans through inhalation based on the total weight of scientific evidence.

To contact the reporter on this story: Stephen Joyce in Chicago at sjoyce@bloomberglaw.com
To contact the editors responsible for this story: Gregory Henderson at ghenderson@bloombergenvironment.com; Steven Gibb at sgibb@bloombergenvironment.com; Chuck McCutcheon at cmccutcheon@bloombergenvironment.com

---

Tom Roberts | Partner
VanNess Feldman LLP

1050 Thomas Jefferson Street, NW
Washington, DC 20007
(202) 298-1930 (o) | (202) 365-7750 (c) | tcr@vnf.com | vnf.com

This communication may contain information and/or metadata that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please do not read or review the content and/or metadata and do not disseminate, distribute or copy this communication. Anyone who receives this message in error should notify the sender immediately by telephone (202-298-1800) or by return e-mail and delete it from his or her computer.

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 8/17/2018 8:00:42 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: EtO pager 081318.docx
Attachments: EtO pager 081318.docx; ATT00001.txt

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 9/28/2018 11:40:23 AM
To: Taylor, Byron F. [bftaylor@sidley.com]
Subject: Re: IL EPA Letter - Stack Test Results - 27 Sept 2018 (002).pdf

Thanks Byron!

On Sep 27, 2018, at 5:50 PM, Taylor, Byron F. <bftaylor@sidley.com> wrote:

> Kurt and Clint: Attached are the Sterigenics/Willowbrook stack test results. The formal report will be forthcoming. Ed Nam and Mike Koerber have received these through a separate transmittal.
> Please let me know if you have questions.
>
> Thanks,

BYRON F. TAYLOR

SIDLEY AUSTIN LLP
One South Dearborn
Chicago, IL 60603
+1 312 853 4717
bftaylor@sidley.com
www.sidley.com

SIDLEY

****
This e-mail is sent by a law firm and may contain information that is privileged or confidential. If you are not the intended recipient, please delete the e-mail and any attachments and notify us immediately.

****

<IL EPA Letter - Stack Test Results - 27 Sept 2018 (002).pdf>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 8/22/2018 8:54:37 PM
To: Rakosnik, Delaney [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=274573739a9f446883072599086ededd-Rakosnik, D]
Subject: Re: Sterigenics Willowbrook Facility | EPA in Illinois | US EPA

Nope - Thanks

On Aug 22, 2018, at 4:19 PM, Rakosnik, Delaney <rakosnik.delaney@epa.gov> wrote:

Just seeing this. Do you still need?

From: Woods, Clint
Sent: Wednesday, August 22, 2018 3:13 PM
To: Rakosnik, Delaney <rakosnik.delaney@epa.gov>
Subject: Sterigenics Willowbrook Facility | EPA in Illinois | US EPA

Mind printing out a copy of this page?
https://www.epa.gov/il/sterigenics-willowbrook-facility

EPA in Illinois

<iframe src="https://www.googletagmanager.com/ns.html?id=GTM-L8ZB" height="0" width="0" style="display:none;visibility:hidden"></iframe>

An official website of the United States government.

United States Environmental Protection Agency

Contact Us

Sterigenics Willowbrook Facility

On this page

- Update
- Background
- What do we know?
- How is U.S. EPA responding?
- Documents

Update – August 2018

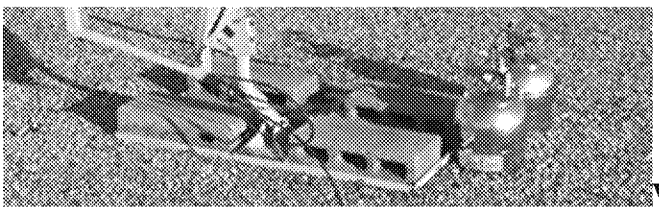
In May 2018, U.S. Environmental Protection Agency conducted air monitoring and, upon receiving the lab results in June, found elevated levels of the chemical ethylene oxide in the air near the Sterigenics International Inc. facility at 7775 S. Quincy St., Willowbrook, Ill. The agency took immediate steps to reduce the emissions and to determine if they presented a risk to the public.

In June, U.S. EPA requested that the federal Agency for Toxic Substances and Disease Registry (a part of the Centers for Disease Control and Prevention) determine whether the emissions presented a public health risk. ATSDR's July analysis(PDF)(19pp, 2MB, About PDF) shows an elevated cancer risk exists for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility, assuming chronic or long-term exposure to the levels of ethylene oxide found during U.S. EPA's short-term sampling.

U.S. EPA is working with Illinois EPA and Sterigenics to reduce emissions of ethylene oxide from the company's facility. Sterigenics uses ethylene oxide to sterilize medical equipment and other products. In July, the company installed additional pollution controls to capture ethylene oxide emissions. U.S. EPA and Illinois EPA will monitor the effectiveness of the new equipment to determine whether any other actions are needed to protect public health.

U.S. EPA is committed to keeping the Willowbrook community informed and will post updates to this information on this website.

Background



What is Ethylene Oxide (EtO)?

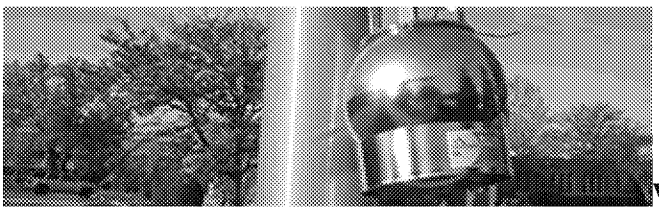
Ethylene oxide is a flammable, colorless gas used to make a range of products, including antifreeze, textiles, plastics, detergents and adhesives. EtO also is used to sterilize equipment and plastic devices that cannot be sterilized by steam, such as medical equipment. The Clean Air Act lists EtO as a Hazardous Air Pollutant.

In December 2016, U.S. EPA updated its risk value for ethylene oxide. U.S. EPA classified EtO as "carcinogenic to humans," based on strong evidence from studies of workers and other studies. Studies of workers show that exposure to EtO is associated with an increased risk of cancers of the white blood cells and, in females, breast cancer.

What is Sterigenics?
Sterigenics is a commercial sterilizer that uses EtO to sterilize medical equipment and other products. It has been operating in Building 1 (7775 Quincy Street) since 1984 and in Building II (830 Midway) since 1999. It is owned by Sterigenics International LLC, which operates nine EtO sterilization facilities in the United States. The facility currently operates under a Clean Air Act permit issued by Illinois EPA in 2015.

Why is U.S. EPA involved?
In December of 2016, U.S. EPA completed a reevaluation of EtO inhalation carcinogenicity. The 2016 evaluation revised the classification of EtO from a "probable human carcinogen" to "carcinogenic to humans." It also increased U.S. EPA's estimate of EtO chronic inhalation cancer potency. As a result, U.S. EPA began to examine potential risks caused by large emitters of EtO. As part of this effort, U.S. EPA Region 5 conducted a preliminary analysis of EtO emissions from Sterigenics in Willowbrook, Illinois.

What Do We Know?



What air monitoring has been conducted?
In late 2017, U.S. EPA Region 5 modeled EtO emissions from Sterigenics. The modeling suggested there could be elevated levels of EtO near the facility. As a result, U.S. EPA conducted short-term canister air sampling for three days in mid-May of 2018 to determine whether EtO could be detected using U.S. EPA's Method TO-15 and at what levels, if any, it was present in the ambient air. The short-term sampling confirmed that U.S. EPA's Method TO-15 is capable of measuring EtO present in the ambient air in close proximity to the Willowbrook facility. While this method was capable of measuring the EtO concentrations observed during the short-term sampling period, this technique is not sensitive enough to measure levels of EtO below a certain threshold.

What are the monitoring results?
The links below show the levels of EtO in air samples collected at each monitoring location.

- Air monitoring results for May 16, 17 and 18, 2018
- Air monitoring map

What are the health impacts?
U.S. EPA has classified EtO as a chemical that causes cancer in humans, based on scientific studies that used both human and animal data. Learn more about EtO. Any cancer-causing chemical is potentially dangerous, but how dangerous depends on the toxicity of the chemical, what concentration a person is exposed to, and for how long that person is exposed. For EtO, our primary concern is people being exposed to concentrations associated with elevated cancer risk for many years. The greatest risk is for people who are exposed to concentrations associated with elevated cancer risk for their entire lifetime.

Evidence in humans indicates that exposure to EtO increases the risk of cancers of the white blood cells (including non-Hodgkin lymphoma, myeloma, and lymphocytic leukemia) and, for females, breast cancer.

What is the difference between an acute risk and a chronic risk?
When estimating cancer risk, U.S. EPA typically assumes a 70-year "chronic" exposure. “Acute” is another way to say short-term exposure. Acute exposure to high concentrations of EtO in air can cause headache, dizziness, nausea, fatigue, respiratory irritation (e.g., coughing, shortness of breath, wheezing) and, in some cases, vomiting and other types of gastrointestinal distress. To protect against acute impacts, U.S. EPA has Acute Exposure Guideline Levels (AEGLs) that are intended to protect most individuals in the general population, including those who might be particularly susceptible to the harmful effects of the chemicals.

- The 1-hour AEGL-2 for EtO is 81,000 µg/m3.
- The 8-hour AEGL-2 is 14,000 µg/m3.

The Agency for Toxic Substances and Disease Registry (ATSDR) has established screening levels (Minimal Risk Levels, or MRLs) for intermediate inhalation risks. The MRLs are for exposures of 14 to 365 days, and are set below levels expected to cause adverse health effects in people most sensitive to effects. The ATSDR inhalation intermediate MRL for EtO is 160 µg/m3. The maximum modeled and measured concentrations near the Sterigenics facility are all well below these benchmarks:

- The maximum long-term average concentration modeled at a residence was 0.218 µg/m3.
- The highest 12-hour canister sample collected at a residence was 2.12 µg/m3.

How big of an area is affected? How widespread is the risk?
The data on the website presents a map of the area where the initial canister samples were

taken in mid-May. The maximum distance that was sampled was about 2,000 feet from the facility, in the Willowbrook Community Park. This was an initial screening study and U.S. EPA is developing a plan to collect additional information to characterize the risk now that Sterigenics has installed additional controls.

Has there been any independent evaluation of the health risks posed by EtO emissions from Sterigenics?
U.S. EPA asked ATSDR to evaluate whether EtO air concentrations near Sterigenics pose a public health problem for people living and working in Willowbrook. ATDSR provided a response in a letter dated July 26, 2018; this evaluation was based not on current conditions, but rather on modeled and monitored EtO levels prior to the installation of additional controls. ATSDR concluded(PDF)(19pp, 2MB, About PDF): "if measured and modeled data represent typical EtO ambient concentrations in ambient air, an elevated cancer risk exists for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility. These elevated risks present a public health hazard to these populations."

ATSDR also concluded that "measured and modeled ethylene oxide concentrations in ambient air indicate that noncancer health effects are unlikely for residents and off-site workers in the Willowbrook community surrounding the Sterigenics facility."

How is U.S. EPA Responding?

What have U.S. EPA and Illinois EPA done to stop the pollution?
U.S. EPA and Illinois EPA are working with Sterigenics to reduce emissions. In June, Sterigenics submitted a construction permit application to Illinois EPA to install additional pollution controls. After review from the U.S. EPA and Illinois EPA, Illinois EPA issued the permit on June 26, 2018. Sterigenics finished installing additional pollution controls to capture EtO emissions on July 27, 2018.

What are the next steps?
Stack tests to measure current emissions are being scheduled. We believe that the controls have resulted in reductions of EtO emissions. U.S. EPA and Illinois EPA are currently working with the company to evaluate the possible need for additional action.

Documents

Documents related to the Sterigenics Willowbrook Facility site investigation

You may need a PDF reader to view some of the files on this page. See EPA's About PDF page to learn more.

More Information

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 8/22/2018 1:40:10 PM
To: Konkus, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=555471b2baa6419e8e141696f4577062-Konkus, Joh]
Subject: Fwd: NATA comms

Version we're cool with

Begin forwarded message:

From: "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Date: August 22, 2018 at 9:35:03 AM EDT
To: "Woods, Clint" <woods.clint@epa.gov>
Subject: RE: NATA comms

Hi Clint – I just plopped the first 4 paragraphs to the bottom. Here it is in the body of the email. I'll convey to R5 and can reach out to OPA as well (thought might be good for you to confirm with John K that you approve this).

Thanks for taking a look.

DRAFT // R5 DESK STATEMENT

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

# # #

From: Woods, Clint
Sent: Wednesday, August 22, 2018 9:21 AM
To: DeLuca, Isabel <DeLuca.Isabel@epa.gov>
Subject: RE: NATA comms

Deliberative Process / Ex. 5

Clint Woods
Deputy Assistant Administrator
Office of Air and Radiation, U.S. EPA
202.564.6562

From: DeLuca, Isabel
Sent: Tuesday, August 21, 2018 6:59 PM
To: Woods, Clint <woods.clint@epa.gov>
Subject: Re: NATA comms

Thanks!

On Aug 21, 2018, at 6:48 PM, Woods, Clint <woods.clint@epa.gov> wrote:

Isabel,

I will have substantial changes to R5 desk statement, and will send a copy back to you and John. Thanks!

Clint

On Aug 21, 2018, at 6:46 PM, DeLuca, Isabel <DeLuca.Isabel@epa.gov> wrote:

> Hi Bill and Clint,
>
> The R5 desk statement on Sterigenics is attached for your review. I've also attached the HQ desk statement, NATA fact sheet, and EtO fact sheets – OPA sent these to the regions this afternoon.
>
> Clint— if the R5 desk statement looks ok to you, can you please forward to John Konkus (and cc me so I know it's final too)? John wants to make sure this has cleared OAR IO before he approves.
>
> The plan is to post NATA tomorrow at 2 pm.
>
> Thanks,
> Isabel
>
> **Isabel DeLuca**
> Office of Air and Radiation, US EPA
> (202) 343-9247
>
> <20180821-Sterigenics_desk_statement.docx>
>
> <NATA desk statement 8.21.18.docx>
>
> <Ethylene Oxide Fact Sheet.Final.8.21.18.pdf>
>
> <2014 NATA Overview Fact Sheet..pdf>

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/21/2019 7:35:40 PM
To: Schwab, Justin [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=eed0f609c0944cc2bbdb05df3a10aadb-Schwab, Jus]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Please print attachment

Begin forwarded message:

> **From:** "Woods, Clint" <woods.clint@epa.gov>
> **Date:** February 21, 2019 at 2:05:38 PM EST
> **To:** "Woods, Clint" <woods.clint@epa.gov>
> **Subject: Fwd: Draft talking points for today's call**

> Begin forwarded message:

> > **From:** "Woods, Clint" <woods.clint@epa.gov>
> > **Date:** February 20, 2019 at 3:20:08 PM EST
> > **To:** "Harlow, David" <harlow.david@epa.gov>
> > **Subject: Fwd: Draft talking points for today's call**
> >
> > Mind printing a couple copies? These look good to me
>
> > Begin forwarded message:
>
> > > **From:** "Davis, Alison" <Davis.Alison@epa.gov>
> > > **Date:** February 20, 2019 at 2:08:05 PM EST
> > > **To:** "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
> > > **Cc:** "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
> > > **Subject: Draft talking points for today's call**
> > >
> > > Hi Clint,
> > >
> > > Here are the draft talkers for the call with the RAs.
> > >
> > > -Alison
> > >
> > > ---
> > > Alison Davis
> > > Senior Advisor for Public Affairs

US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Personal Phone / Ex. 6

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/21/2019 7:05:38 PM
To: Woods, Clint [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=bc65010f5c2e48f4bc2aa050db50d198-Woods, Clin]
Subject: Fwd: Draft talking points for today's call
Attachments: DELIBERATIVE.DRAFT FOR RAs.docx; ATT00001.htm

Begin forwarded message:

From: "Woods, Clint" <woods.clint@epa.gov>
Date: February 20, 2019 at 3:20:08 PM EST
To: "Harlow, David" <harlow.david@epa.gov>
Subject: Fwd: Draft talking points for today's call

Mind printing a couple copies? These look good to me

Begin forwarded message:

From: "Davis, Alison" <Davis.Alison@epa.gov>
Date: February 20, 2019 at 2:08:05 PM EST
To: "Woods, Clint" <woods.clint@epa.gov>, "DeLuca, Isabel" <DeLuca.Isabel@epa.gov>
Cc: "Koerber, Mike" <Koerber.Mike@epa.gov>, "Weinstock, Lewis" <Weinstock.Lewis@epa.gov>
Subject: Draft talking points for today's call

Hi Clint,

Here are the draft talkers for the call with the RAs.

-Alison

Alison Davis
Senior Advisor for Public Affairs
US EPA, Office of Air Quality Planning & Standards
Research Triangle Park, NC 27711
Desk: 919-541-7587
Personal Phone / Ex. 6

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/21/2019 12:52:04 AM
To: Block, Molly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=60d0c681a16441a0b4fa16aa2dd4b9c5-Block, Moll]
CC: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]; Konkus, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=555471b2baa6419e8e141696f4577062-Konkus, Joh]; Grantham, Nancy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=12a3c2ed7158417fb0bb1b1b72a8cfb0-Grantham, Nancy]
Subject: Re: Ethylene oxide data posting tomorrow

I'm good - Thanks all!

On Feb 20, 2019, at 7:35 PM, Block, Molly <block.molly@epa.gov> wrote:

> If Clint is good, I am good.
>
> Sent from my iPhone
>
> On Feb 20, 2019, at 6:53 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:
>
> > Draft statement and talkers for heads up calls are with Clint for review. This is the webinar invite. We'd like to go ahead and send that out.

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

From: Block, Molly
Sent: Wednesday, February 20, 2019 4:57 PM
To: Davis, Alison <Davis.Alison@epa.gov>; Konkus, John <konkus.john@epa.gov>
Cc: Woods, Clint <woods.Clint@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Ethylene oxide data posting tomorrow

Also, do we have a desk statement on the latest data results?

From: Davis, Alison
Sent: Wednesday, February 20, 2019 4:54 PM
To: Block, Molly <block.molly@epa.gov>; Konkus, John <konkus.john@epa.gov>
Cc: Woods, Clint <woods.Clint@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Ethylene oxide data posting tomorrow

Thanks.

From: Block, Molly
Sent: Wednesday, February 20, 2019 4:51 PM
To: Davis, Alison <Davis.Alison@epa.gov>; Konkus, John <konkus.john@epa.gov>
Cc: Woods, Clint <woods.Clint@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: RE: Ethylene oxide data posting tomorrow

Adding Konkus.

From: Davis, Alison
Sent: Wednesday, February 20, 2019 4:48 PM
To: Block, Molly <block.molly@epa.gov>
Cc: Woods, Clint <woods.Clint@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Subject: Ethylene oxide data posting tomorrow

Hi Molly,

Bill has given us the OK to post our next set of EtO data tomorrow. We have a proposed heads up call and webinar schedule, which Clint has shared with

Christian. Our talkers for those are in review, and we will share as soon as they are cleared.

Deliberative Process / Ex. 5

Let me know if you have concerns. Here is our draft schedule

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/21/2019 12:50:59 AM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
CC: Koerber, Mike [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9c513901d4fd49f9ab101a6f7a7a863e-Koerber, Mike]; Weinstock, Lewis [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=df30e068efb24a24b35d63be0596ad9b-LWEINS02]; Rimer, Kelly [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=123a21a46d0e4e53a590798cdcc3fb47-KRIMER]; DeLuca, Isabel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=0b021c30cbee4637a7c7ca683e5e044a-IDELUCA]
Subject: Re: Please review - draft desk statement for data posting

This looks good as well

On Feb 20, 2019, at 6:52 PM, Davis, Alison <Davis.Alison@epa.gov> wrote:

Deliberative Process / Ex. 5

Message

From: Woods, Clint [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BC65010F5C2E48F4BC2AA050DB50D198-WOODS, CLIN]
Sent: 2/16/2019 4:45:42 PM
To: Davis, Alison [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=1c309f42d5d44d18a52b027bd0112778-ADAVIS06]
Subject: Re: please read this draft

Good, sorry for delay

On Feb 16, 2019, at 10:33 AM, Davis, Alison <Davis.Alison@epa.gov> wrote:

With some edits from Mike

Deliberative Process / Ex. 5

Sent from my iPhone