Message

From: Osbourne, Margaret [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FA81D13BB18F4249AAB3E3B61275D58B-OSBOURNE, MARGARET]
Sent: 10/4/2017 9:29:06 PM
To: Larson, Darrin [Larson.Darrin@epa.gov]
Subject: Fwd: NATA facility sources of concern for ethylene oxide based on preliminary assessment
Attachments: Ethylene Oxide Risks of concern in R6.xlsx; ATT00001.htm; Ethylene Oxide LDEQ 2014 EI.xlsx; ATT00002.htm; Ethylene Oxide STARS 2014.xlsx; ATT00003.htm

Sent from my iPhone

Begin forwarded message:

From: "Yurk, Jeffrey" <yurk.jeffrey@epa.gov>
Date: October 4, 2017 at 12:36:40 PM CDT
To: "Osbourne, Margaret" <osbourne.margaret@epa.gov>
Subject: FW: NATA facility sources of concern for ethylene oxide based on preliminary assessment

Anupa should have this already

From: Yurk, Jeffrey
Sent: Thursday, August 10, 2017 9:22 AM
To: Ahuja, Anupa <ahuja.anupa@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: FW: NATA facility sources of concern for ethylene oxide based on preliminary assessment

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From: Yurk, Jeffrey
Sent: Thursday, June 08, 2017 9:53 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: FW: NATA facility sources of concern for ethylene oxide based on preliminary assessment

Attached is what I think you want

From: Yurk, Jeffrey
Sent: Thursday, April 13, 2017 7:05 AM
To: Thompson, Steve <thompson.steve@epa.gov>
Subject: FW: NATA facility sources of concern for ethylene oxide based on preliminary assessment

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From: Yurk, Jeffrey
Sent: Thursday, April 06, 2017 12:44 PM
To: Osbourne, Margaret <osbourne.margaret@epa.gov>; Parker, Cindy <parker.cindy@epa.gov>
Cc: Verhalen, Frances <verhalen.frances@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>
Subject: NATA facility sources of concern for ethylene oxide based on preliminary assessment

Column O (highlighted yellow) shows where the source-specific ethylene oxide cancer risk is greater than 100 in a million in the Region. Column AG (highlighted orange). There are hospitals in this list probably due to their proximity to census block centroids which were modeled to. Their assessment included to new toxicity number for ethylene oxide and also a new set of meteorological data than has been used in the past. The met data utilized is from a 12 Km grid generated nationwide that was generated for use with EPA's CMAC model and is now considered by OAQPS as state of the art. In talking with the NATA folks, it appear that the newer met data can effect risk data by a factor of 2 to 3 in either direction and applies to all chemicals.

Jeff

Message

From: Osbourne, Margaret [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FA81D13BB18F4249AAB3E3B61275D58B-OSBOURNE, MARGARET]
Sent: 1/17/2018 5:30:51 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: List of ethylene oxide facilities for LA

Driver Facility Name	LOCATION_ADDRESS	State or Tribe	LOCATION_CITY	NAICS Description	Facility Type	Driver Pollutant Name
E I DuPont de Nemours & Co - Pontchartrain Site	586 Hwy 44	Louisiana	Laplace	Synthetic Rubber Manufacturing	Chemical Plant	Chloroprene
Union Carbide Corp - St Charles Operations	355 Hwy 3142 Gate 1	Louisiana	Taft	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
BCP Ingredients Inc	3830 Hwy 30	Louisiana	St. Gabriel	Other Animal Food Manufacturing		Ethylene Oxide
Air Products Performance Manufacturing Inc - Reserve Plant	474 W 19th St	Louisiana	Reserve	Surface Active Agent Manufacturing		Ethylene Oxide
Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	2201 Old Spanish Trail	Louisiana	Westlake	All Other Basic Organic Chem. Man.	Chemical Plant	Ethylene Oxide
Shell Chemical LP - Geismar Plant	7594 Hwy 75	Louisiana	Geismar	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
BASF Corp - Geismar Site	8404 River Rd (Hwy 75)	Louisiana	Geismar	All Other Basic Organic Chem. Man.	Chemical Plant	Ethylene Oxide
Taminco US Inc	3790 Hwy 30	Louisiana	St. Gabriel	All Other Basic Organic Chem. Man.	Chemical Plant	Ethylene Oxide
The Dow Chemical Co - Louisiana Operations	21255 Hwy 1	Louisiana	Plaquemine	All Other Basic Organic Chem. Man.	Chemical Plant	Ethylene Oxide

Message

From: Osbourne, Margaret [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FA81D13BB18F4249AAB3E3B61275D58B-OSBOURNE, MARGARET]
Sent: 1/17/2018 7:26:24 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: revised list of ethylene oxide facilities - TX

2014 NATA Ethylene Oxide Facilities Region 6				
Driver Facility Name	**State or Tribe**	**LOCATION_CITY**	**NAICS Description**	**Facility Type**
Bayport Underwood Plant (Lyondell Basell Co.)	TX	Pasadena	Petrochemical Manufacturing	Chemical Plant
Port Neches Plant (Huntsman Corp.)	TX	PORT Neches	Petrochemical Manufacturing	Chemical Plant
Texas Operations (Eastman Chemical Co.)	TX	Longview	Petrochemical Manufacturing	Chemical Plant
Midwest Sterilization Corp	TX	Laredo	Surgical Appliance and Supplies Man.	Sterilizer
Shell Technology Center Houston	TX	Houston	Petrochemical Manufacturing	Chemical Plant
Clear Lake Plant (Celanese Corp.)	TX	Pasadena	Petrochemical Manufacturing	Chemical Plant
Channelview Plant (Lyondell Basell Co.)	TX	Channelview	Petrochemical Manufacturing	Chemical Plant

Message

From: Osbourne, Margaret [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FA81D13BB18F4249AAB3E3B61275D58B-OSBOURNE, MARGARET]
Sent: 4/13/2018 12:41:42 PM
To: Thompson, Steve [thompson.steve@epa.gov]; Larson, Darrin [Larson.Darrin@epa.gov]
Subject: RE: 2014 NATA version 2 - DRAFT ethylene oxide point source risks
Attachments: EtO facilities LA 4-13-18.xlsx

Attached is the spreadsheet with just Louisiana facilities and the risk numbers taken out but with the comments fields in. Below is simply the list of facilities, with all comments fields, etc. taken out as well as the risk:

Facility ID	Facility Name	State	City	Address	EPA Region	V1 EtO emissions (tons)	V2 EtO emissions (tons)
5287111	Air Products Performance Manufacturing Inc - Reserve Plant	Louisiana	Reserve	474 W 19th St	06	2	2
7451011	BCP Ingredients Inc	Louisiana	St. Gabriel	3830 Hwy 30	06	3	3
5504811	Taminco US Inc	Louisiana	St. Gabriel	3790 Hwy 30	06	1	1
7445611	Shell Chemical LP - Geismar Plant	Louisiana	Geismar	7594 Hwy 75	06	5	5
8468011	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	Louisiana	Westlake	2201 Old Spanish Trail	06	6	6
8465611	BASF Corp - Geismar Site	Louisiana	Geismar	8404 River Rd (Hwy 75)	06	7	7

8467311	The Dow Chemical Co - Louisiana Operations	Louisiana	Plaquemine	21255 Hwy 1	06	2	2
7202911	Union Carbide Corp - St Charles Operations	Louisiana	Taft	355 Hwy 3142 Gate 1	06	15	15

From: Thompson, Steve
Sent: Friday, April 13, 2018 7:32 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>; Osbourne, Margaret <osbourne.margaret@epa.gov>
Subject: Re: 2014 NATA version 2 - DRAFT ethylene oxide point source risks

Can one of you modify the spreadsheet to remove the risk data and resend to me so that I can share electronically with LDEQ?

Sent from my iPhone

On Apr 11, 2018, at 5:06 PM, Larson, Darrin <Larson.Darrin@epa.gov> wrote:

> Steve,
>
> The facility listed as just Houston Plant (line 54) is AkzoNobel (paint, coating, specialty chemicals).
>
> When you're back, the other thing we need to discuss is when to brief RA. In talking with 6MM, we're thinking early May.
>
> Darrin Larson
> Chief, Air Permitting Enforcement Section (6EN-AA)
> U.S. EPA Region 6
> Office: 214-665-7115
> Mobile: 972-467-5509
>
> **From:** Larson, Darrin
> **Sent:** Wednesday, April 11, 2018 3:21 PM
> **To:** Steve Thompson <thompson.steve@epa.gov>
> **Cc:** Margaret Osbourne <osbourne.margaret@epa.gov>
> **Subject:** FW: 2014 NATA version 2 - DRAFT ethylene oxide point source risks
>
> Darrin Larson
> Chief, Air Permitting Enforcement Section (6EN-AA)
> U.S. EPA Region 6
> Office: 214-665-7115
> Mobile: 972-467-5509
>
> **From:** Smith, Darcie
> **Sent:** Thursday, March 15, 2018 6:03 PM
> **To:** Ahuja, Anupa <ahuja.anupa@epa.gov>; Bellizzi, Carol <Bellizzi.Carol@epa.gov>; Bollweg, George

<bollweg.george@epa.gov>; Cain, Alexis <cain.alexis@epa.gov>; Casso, Ruben <Casso.Ruben@epa.gov>; Davidson, Ken <Davidson.Ken@epa.gov>; Doolan, Stephanie <Doolan.Stephanie@epa.gov>; Glass, Geoffrey <GLASS.GEOFFREY@EPA.GOV>; Gross-Davis, CarolAnn <Gross-Davis.CarolAnn@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Kierys, Dawid <kierys.dawid@epa.gov>; Lancey, Susan <lancey.susan@epa.gov>; Larson, Darrin <Larson.Darrin@epa.gov>; Louis, Egide <Louis.Egide@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>; McCrowey, Clinton <mccrowey.clinton@epa.gov>; Olson, Kyle <Olson.Kyle@epa.gov>; Owens, Katharine <Owens.Katharine@epa.gov>; Parker, Cindy <parker.cindy@epa.gov>; Sieffert, Margaret <Sieffert.Margaret@epa.gov>; Stone, William <stone.william@epa.gov>; Twickler, Donna <twickler.donna@epa.gov>; Verhalen, Frances <verhalen.frances@epa.gov>; Chow, Alice <chow.alice@epa.gov>; Brown, Steven <Brown.Steven@epa.gov>; Johnson, Karen T. <Johnson.Karent@epa.gov>; Wroble, Julie <Wroble.Julie@epa.gov>; Fry, Jessica <fry.jessica@epa.gov>; Narvaez, Madonna <Narvaez.Madonna@epa.gov>
Cc: Palma, Ted <Palma.Ted@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>; Langdon, Robin <Langdon.Robin@epa.gov>; Caparoso, Jennifer <Caparoso.Jennifer@epa.gov>; Witt, Jon <Witt.Jon@epa.gov>; Lavoie, Tegan <lavoie.tegan@epa.gov>; Merrill, Raymond <Merrill.Raymond@epa.gov>; Morris, Mark <Morris.Mark@epa.gov>; Shelow, David <Shelow.David@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: 2014 NATA version 2 - DRAFT ethylene oxide point source risks

Hello –

You are receiving this email because you are a member of the ATRA EtO group or a NATA Regional Office lead or both. Either way, you know that in version 1 of the 2014 NATA we saw ethylene oxide emissions from point sources driving risks at the census tract level. Since that time, you have reviewed the data, worked with your states to review the data, and provided revisions back to us. We have incorporated those changes from V1 of the 2014 NATA and in preparation for version 2, have re-modeled the EtO-emitting point sources first. This is your first look at those results. **Please remember that risk results are not to be shared outside the Agency**.

The attached pdf document provides: 1) a summary of the events of the emissions review, 2) a regional count of facilities in the attached spreadsheet, and 3) an explanation of the data fields in the attached spreadsheet file. The attached spreadsheet contains a list of facilities that had a census *block* level cancer risk greater than 100-in-1 million in either version 1 (column J) or version 2 (column K). These are all provided so you can see how any data changes impacted the risk results. As you will see, there are still some facilities where we have estimated a census *tract* level cancer risk of greater than 100-in-1 million in version 2. These are indicated with a "Y" in column K. (An exact risk number is not provided because the estimates only take into account the AERMOD modeling; CMAQ is not yet complete so we have not combined the two results and we have given you our best estimate.)

We know that some of you are actively working with your states on the data review. Thank you for your time and effort doing that! There are some columns in the spreadsheet that may help focus your conversations, for example, column N, which provides information on how the EtO emissions were calculated for the process with the most emissions. And, our engineers are also working through their contacts to continue to verify the emissions and other inputs to the modeling. (If you need to contact them, Jennifer (chemical manufacturing) and Jonathan (sterilizers) are in the "CC" field.) There are columns in the spreadsheet to indicate what has been done and what type of changes have been received or are expected. **However, without additional information, there will likely be little change to these results.** If you have received additional info or revisions, please work with Madeleine to get those to us.

As you continue to work through this situation, please let us know if there's anything we can do to help or if there's additional data you need. We are happy to walk through this on the next ATRA call or set up a special purpose call. As always, if you have questions please feel free to contact me, Ted (palma.ted@epa.gov, 919-541-5470), or Madeleine (strum.madeleine@epa.gov, 919-541-2383).

Thank you,
Darcie

Darcie Smith
U.S. EPA/OAQPS/ATAG
<image001.png> 919.541.2076
<image002.png>smith.darcie@epa.gov

Message

From: Osbourne, Margaret [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FA81D13BB18F4249AAB3E3B61275D58B-OSBOURNE, MARGARET]
Sent: 1/17/2018 7:27:34 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: revised list of ethylene oxide facilities - LA

2014 NATA Ethylene Oxide Facilities Region 6				
Driver Facility Name	**State or Tribe**	**LOCATION_CITY**	**NAICS Description**	**Facility Type**
E I DuPont de Nemours & Co - Pontchartrain Site	Louisiana	Laplace	Synthetic Rubber Manufacturing	Chemical Plant
Union Carbide Corp - St Charles Operations (Dow Chem.)	LA	Taft	Petrochemical Manufacturing	Chemical Plant
BCP Ingredients Inc (Balchem Co.)	LA	St. Gabriel	Other Animal Food Manufacturing	Sterilizer
Air Products Performance Manufacturing Inc - Reserve Plant	LA	Reserve	Surface Active Agent Manufacturing	
Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	LA	Westlake	All Other Basic Organic Chem. Man.	Chemical Plant
Shell Chemical LP - Geismar Plant	LA	Geismar	Petrochemical Manufacturing	Chemical Plant
BASF Corp - Geismar Site	LA	Geismar	All Other Basic Organic Chem. Man.	Chemical Plant
Taminco US Inc (Eastman Chemical Co.)	LA	St. Gabriel	All Other Basic Organic Chem. Man.	Chemical Plant
The Dow Chemical Co - Louisiana Operations	LA	Plaquemine	All Other Basic Organic Chem. Man.	Chemical Plant

Message

From: Larson, Darrin [Larson.Darrin@epa.gov]
Sent: 11/15/2017 2:55:57 PM
To: Thompson, Steve [thompson.steve@epa.gov]
CC: Osbourne, Margaret [osbourne.margaret@epa.gov]
Subject: Ethylene oxide table
Attachments: Priority Facilities Sheet..xlsx

This is the latest table from 6MM. We'll discuss today.

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Parker, Cindy
Sent: Thursday, November 09, 2017 9:15 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>; Ahuja, Anupa <ahuja.anupa@epa.gov>
Subject: FW: Toy drive info, and your input needed

From: Parker, Cindy
Sent: Thursday, November 09, 2017 9:05 AM
To: Salem, Nevine <Salem.Nevine@epa.gov>; Osbourne, Margaret <osbourne.margaret@epa.gov>
Subject: FW: Toy drive info, and your input needed

Message

From: Parker, Cindy [parker.cindy@epa.gov]
Sent: 10/10/2017 3:57:07 PM
To: Larson, Darrin [Larson.Darrin@epa.gov]
CC: Verhalen, Frances [verhalen.frances@epa.gov]; Osbourne, Margaret [osbourne.margaret@epa.gov]
Subject: Seeking information on facilities

Hi, Darrin,

I forwarded this to Margaret last week. I know she is out this week, and wanted to check in with you, as well.

OAQPS is looking for the permit applications for the facilities listed below. These facilities are R6 facilities with emissions of concern, we found through the NATA analysis. TCEQ has their permits online, but not the applications. In talking with Fran, this type of information was pulled together for Denka, and I think OAQPS is trying to get ahead of the curve a bit.

I don't know if Margaret has someone already working on this or not, and am wondering if your group would have access to the type of information OAQPS is searching for? From talking with Fran, it is the type of information we would eventually search out anyway, probably a little later down the road.

For clarification, OAQPS is searching for this:
"…release parameter information for the different release points at each facility…..details like stack height, stack diameter, stack temperature, stack flow rate, stack velocity, latitude and longitude of each release point, and process level emissions in tons."

I am hoping Enforcement, either your group or Margaret's group, has access to this type of information for these facilities?

Thank you,
Cindy

From: Parker, Cindy
Sent: Tuesday, October 03, 2017 4:11 PM
To: Osbourne, Margaret <osbourne.margaret@epa.gov>
Subject: FW: Phone call follow up

From: Lavoie, Tegan
Sent: Tuesday, October 03, 2017 11:39 AM
To: Parker, Cindy <parker.cindy@epa.gov>
Subject: Phone call follow up

Hi Cindy,

Thanks for your help on the phone today. We think we are looking for the Title V permit applications, but I think in some cases the NSR Permit applications may contain what we need. To explain, we're looking for release parameter information for the different release points at each facility. We need details like stack height, stack diameter, stack temperature, stack flow rate, stack velocity, latitude and longitude of each release point, and process level emissions in tons. I appreciate your help in obtaining any documents which contain this level of detail.

Site Name	Street Address	City	County	State

LION OIL COMPANY	1000 MCHENRY DRIVE	EL DORADO	Union	Arkansas
CLEAN HARBORS EL DORADO, LLC	309 AMERICAN CIRCLE	EL DORADO	Union	Arkansas
GREAT LAKES CHEMICAL-EL DORADO	2226 HAYNESVILLE HWY	EL DORADO	Union	Arkansas
SHELL TECHNOLOGY CENTER HOUSTON	3333 HWY 6 SOUTH	HOUSTON	Harris	Texas
CLEAR LAKE PLANT	9502 BAYPORT BLVD	PASADENA	Harris	Texas
HOUSTON PLANT	15200 ALMEDA RD	HOUSTON	Fort Bend	Texas
BAYTOWN REFINERY	2800 DECKER DR	BAYTOWN	Harris	Texas
BAYPORT UNDERWOOD PLANT	5761 UNDERWOOD RD	PASADENA	Harris	Texas
CHANNELVIEW PLANT	2502 SHELDON RD	CHANNELVIEW	Harris	Texas
TEXAS OPERATIONS	HWY 149 KODAK BLVD	LONGVIEW	Harrison	Texas
PORT NECHES PLANT	2102 SPUR 136	PORT NECHES	Jefferson	Texas
CONROE FACILITY	5451 JEFFERSON CHEMICAL RD	CONROE	Montgomery	Texas
SEADRIFT PLANT	HIGHWAY 185	SEADRIFT	Calhoun	Texas

If you have any questions, please let me know. Thanks in advance and have a great day.

Best regards,
Tegan

Tegan N. Lavoie, PhD | Physical Scientist
OAR/OAQPS/SPPD/Refining and Chemicals Group
U.S. Environmental Protection Agency
109 TW Alexander Drive, Office: E142G, MC:E143-01
Research Triangle Park, NC 27711
Phone: (919) 541-5110 | Email: lavoie.tegan@epa.gov

Message

From: Thompson, Steve [thompson.steve@epa.gov]
Sent: 1/17/2018 6:17:26 PM
To: Osbourne, Margaret [osbourne.margaret@epa.gov]
Subject: Re: List of ethylene oxide facilities for TX

Do you have a more complete facility name? Clear Lake plant? Channelview plant?

Sent from my iPhone

On Jan 17, 2018, at 11:30 AM, Osbourne, Margaret <osbourne.margaret@epa.gov> wrote:

Driver Facility Name	LOCATION_ADDRESS	State or Tribe	LOCATION_CITY	NAICS Description	Facility Type	Driver Pollutant Name
BAYPORT UNDERWOOD PLANT	5761 UNDERWOOD RD	Texas	PASADENA	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
PORT NECHES PLANT	2102 SPUR 136	Texas	PORT NECHES	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
TEXAS OPERATIONS	HWY 149 KODAK BLVD	Texas	LONGVIEW	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
Midwest Sterilization Corp	12010 General Milton Dr	Texas	Laredo	Surgical Appliance and Supplies Man.	Sterilizer	Ethylene Oxide
SHELL TECHNOLOGY CENTER HOUSTON	3333 HWY 6 SOUTH	Texas	HOUSTON	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
CLEAR LAKE PLANT	9502 BAYPORT BLVD	Texas	PASADENA	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide
CHANNELVIEW PLANT	2502 SHELD+R31:R46ON RD	Texas	CHANNELVIEW	Petrochemical Manufacturing	Chemical Plant	Ethylene Oxide

Message

From: Parker, Cindy [parker.cindy@epa.gov]
Sent: 3/20/2018 1:09:12 PM
To: Osbourne, Margaret [osbourne.margaret@epa.gov]
Subject: FW: 2014 NATA version 2 - DRAFT ethylene oxide point source risks
Attachments: ForRegions_EtO_Emissions_and_Risk_Review_V2NATA_031518.pdf; ForRegions_EtOReview_V2NATA_031518.xlsx

Here ya go. Note the addressees. And it is a confusing spreadsheet, you need to refer to the pdf for explanations, such as for the column with Y or nothing.

From: Smith, Darcie
Sent: Thursday, March 15, 2018 6:03 PM
To: Ahuja, Anupa <ahuja.anupa@epa.gov>; Bellizzi, Carol <Bellizzi.Carol@epa.gov>; Bollweg, George <bollweg.george@epa.gov>; Cain, Alexis <cain.alexis@epa.gov>; Casso, Ruben <Casso.Ruben@epa.gov>; Davidson, Ken <Davidson.Ken@epa.gov>; Doolan, Stephanie <Doolan.Stephanie@epa.gov>; Glass, Geoffrey <GLASS.GEOFFREY@EPA.GOV>; Gross-Davis, CarolAnn <Gross-Davis.CarolAnn@epa.gov>; Jackson, Scott <Jackson.Scott@epa.gov>; Kierys, Dawid <kierys.dawid@epa.gov>; Lancey, Susan <lancey.susan@epa.gov>; Larson, Darrin <Larson.Darrin@epa.gov>; Louis, Egide <Louis.Egide@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>; McCrowey, Clinton <mccrowey.clinton@epa.gov>; Olson, Kyle <Olson.Kyle@epa.gov>; Owens, Katharine <Owens.Katharine@epa.gov>; Parker, Cindy <parker.cindy@epa.gov>; Sieffert, Margaret <Sieffert.Margaret@epa.gov>; Stone, William <stone.william@epa.gov>; Twickler, Donna <twickler.donna@epa.gov>; Verhalen, Frances <verhalen.frances@epa.gov>; Chow, Alice <chow.alice@epa.gov>; Brown, Steven <Brown.Steven@epa.gov>; Johnson, Karen T. <Johnson.Karent@epa.gov>; Wroble, Julie <Wroble.Julie@epa.gov>; Fry, Jessica <fry.jessica@epa.gov>; Narvaez, Madonna <Narvaez.Madonna@epa.gov>
Cc: Palma, Ted <Palma.Ted@epa.gov>; Strum, Madeleine <Strum.Madeleine@epa.gov>; Langdon, Robin <Langdon.Robin@epa.gov>; Caparoso, Jennifer <Caparoso.Jennifer@epa.gov>; Witt, Jon <Witt.Jon@epa.gov>; Lavoie, Tegan <lavoie.tegan@epa.gov>; Merrill, Raymond <Merrill.Raymond@epa.gov>; Morris, Mark <Morris.Mark@epa.gov>; Shelow, David <Shelow.David@epa.gov>; Vasu, Amy <Vasu.Amy@epa.gov>; Berner, Ted <Berner.Ted@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>
Subject: 2014 NATA version 2 - DRAFT ethylene oxide point source risks

Hello –

You are receiving this email because you are a member of the ATRA EtO group or a NATA Regional Office lead or both. Either way, you know that in version 1 of the 2014 NATA we saw ethylene oxide emissions from point sources driving risks at the census tract level. Since that time, you have reviewed the data, worked with your states to review the data, and provided revisions back to us. We have incorporated those changes from V1 of the 2014 NATA and in preparation for version 2, have re-modeled the EtO-emitting point sources first. This is your first look at those results. **Please remember that risk results are not to be shared outside the Agency**.

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which provides information on how the EtO emissions were calculated for the process with the most emissions. And, our engineers are also working through their contacts to continue to verify the emissions and other inputs to the modeling. (If you need to contact them, Jennifer (chemical manufacturing) and Jonathan (sterilizers) are in the "CC" field.) There are columns in the spreadsheet to indicate what has been done and what type of changes have been received or are expected. **However, without additional information, there will likely be little change to these results.** If you have received additional info or revisions, please work with Madeleine to get those to us.

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Thank you,
Darcie

Darcie Smith
U.S. EPA/OAQPS/ATAG
919.541.2076
smith.darcie@epa.gov

Message

From: Parker, Cindy [parker.cindy@epa.gov]
Sent: 4/6/2017 1:22:25 PM
To: Osbourne, Margaret [osbourne.margaret@epa.gov]
Subject: FW: NATA reviews

Here.

From: Verhalen, Frances
Sent: Wednesday, April 05, 2017 11:07 AM
To: Smith, Darcie <Smith.Darcie@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>
Cc: Parker, Cindy <parker.cindy@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: RE: NATA reviews

Thanks, Darcie. DuPont Pontchartrain Works (now Denka) is on the list.

Frances Verhalen, P.E., Chief
Air Monitoring/Grants Section
US Environmental Protection Agency
1445 Ross Avenue (MC 6MM-AM)
Dallas, TX 75202
214-665-2172
verhalen.frances@epa.gov

From: Smith, Darcie
Sent: Wednesday, April 05, 2017 9:34 AM
To: Verhalen, Frances <verhalen.frances@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>
Cc: Parker, Cindy <parker.cindy@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: RE: NATA reviews

Hi Fran –

In December 2016, IRIS released a new URE for ethylene oxide that was 56 times more potent. We went ahead and included the value in our most recent round of point source modeling from December so that you guys would have time to review the results. Here's a link to the IRIS assessment, if you're interested: https://cfpub.epa.gov/ncea/iris2/chemicalLanding.cfm?substance_nmbr=1025

Madeleine has contacted LA about the Union Carbide facility, and a few others, and they have said they reviewed them and don't have any changes to the emissions. I'll forward you that email exchange.

As for risks, you want to be sure that you're also reviewing the files from December as that's where the EtO risks show up. For example, for the Union Carbide facility, it isn't 22 in 1 million, but rather 1766 in 1 million. (Sorry for the bad news!) I've pasted below the top facilities in LA.

Please feel free to contact Ted at (919) 541-5470 for additional information about risks at R6 facilities or contact any of us with additional questions.

Thanks,
Darcie

State or Tribe	FIPs	Facility Name	Facility NEI ID	Cancer Risk 2014 (December 2016 Analysis) (in a million)	Cancer Risk 2014 (September 2016 Analysis) (in a million)
LA	22047	BCP Ingredients Inc	7451011	2254.996	10.182
LA	22095	E I DuPont de Nemours & Co - Pontchartrain Site	8026611	2004.231	1572.185
LA	22089	Union Carbide Corp - St Charles Operations	7202911	1766.916	22.492
LA	22047	Taminco US Inc	5504811	1105.059	7.065
LA	22095	Air Products Performance Manufacturing Inc - Reserve Plant	5287111	713.679	10.493
LA	22019	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	8468011	680.012	14.031
LA	22057	Thoma-Sea Marine Constructors LLC - Lockport Yard	5539911	533.960	453.138
LA	22005	Shell Chemical LP - Geismar Plant	7445611	473.742	8.102
LA	22101	CAMERON INTERNATIONAL CORP	16723111	450.624	336.268
LA	22005	BASF Corp - Geismar Site	8465611	317.639	32.325
LA	22047	The Dow Chemical Co - Louisiana Operations	8467311	192.983	31.983

Darcie Smith
U.S. EPA/OAQPS/ATAG
(919) 541-2076

From: Verhalen, Frances
Sent: Wednesday, April 05, 2017 10:01 AM
To: Rimer, Kelly <Rimer.Kelly@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>
Cc: Parker, Cindy <parker.cindy@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: NATA reviews

We are starting the NATA data reviews (rebuilding institutional knowledge). And there is discussion about ethylene oxide.

What change in risk evaluation has occurred that is causing EtOx to pop? I have attached what we think is the facility with the highest emission for R6, and in LA near LaPlace.

My staff and I are playing catch up and appreciate your assistance in educating us on this topic.

Frances Verhalen, P.E., Chief
Air Monitoring/Grants Section
US Environmental Protection Agency
1445 Ross Avenue (MC 6MM-AM)
Dallas, TX 75202

214-665-2172
verhalen.frances@epa.gov

Message

From: Yurk, Jeffrey [yurk.jeffrey@epa.gov]
Sent: 4/5/2017 5:50:27 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: FW: NATA reviews.

From: Parker, Cindy
Sent: Wednesday, April 05, 2017 12:07 PM
To: Yurk, Jeffrey <yurk.jeffrey@epa.gov>
Cc: Verhalen, Frances <verhalen.frances@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: FW: NATA reviews.

Good Morning, Jeff,
Re: my voicemail earlier –

Here is one email with information. We are particularly interested in the effects of ethylene oxide and at what levels. I'm sure the information below won't contain enough info for you – but I'm not sure exactly which information you do need? We have several worksheets on a sharepoint site, emissions data, and I can get you access to them, but if I could narrow it down for you, I'm happy to do that, too.

Fran mentioned you might call her, feel free to do that, too. I know you have helped Ruben in the past, and we appreciate your continued assistance.

Cindy Parker

From: Smith, Darcie
Sent: Wednesday, April 05, 2017 9:34 AM
To: Verhalen, Frances <verhalen.frances@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>
Cc: Parker, Cindy <parker.cindy@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: RE: NATA reviews

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Darcie

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Darcie Smith
U.S. EPA/OAQPS/ATAG
(919) 541-2076

From: Verhalen, Frances
Sent: Wednesday, April 05, 2017 10:01 AM
To: Rimer, Kelly <Rimer.Kelly@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>
Cc: Parker, Cindy <parker.cindy@epa.gov>; Madden, Joshua <madden.joshua@epa.gov>
Subject: NATA reviews

We are starting the NATA data reviews (rebuilding institutional knowledge). And there is discussion about ethylene oxide.

What change in risk evaluation has occurred that is causing EtOx to pop? I have attached what we think is the facility with the highest emission for R6, and in LA near LaPlace.

My staff and I are playing catch up and appreciate your assistance in educating us on this topic.

Frances Verhalen, P.E., Chief
Air Monitoring/Grants Section

US Environmental Protection Agency
1445 Ross Avenue (MC 6MM-AM)
Dallas, TX 75202
214-665-2172
verhalen.frances@epa.gov

Message

From: Thompson, Steve [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DEB5F1524AE94DC69ED0F4B2D6CA446A-THOMPSON, STEVE]
Sent: 8/22/2018 12:48:57 PM
To: gilrein.stephen@epa.gov; Seager, Cheryl [Seager.Cheryl@epa.gov]
Subject: FW: NATA action items from today's call
Attachments: Revised of List of 26 facilities 08 21 2018.xlsx; 2014 NATA Overview Fact Sheet..pdf; Ethylene Oxide Fact Sheet.Final.8.21.18.pdf

Information related to the release today.

From: Donaldson, Guy
Sent: Wednesday, August 22, 2018 7:22 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>; Taheri, Diane <Taheri.Diane@epa.gov>; Ahuja, Anupa <ahuja.anupa@epa.gov>
Cc: Verhalen, Frances <verhalen.frances@epa.gov>
Subject: FW: NATA action items from today's call

FYI

From: Stenger, Wren
Sent: Wednesday, August 22, 2018 7:16 AM
To: Donaldson, Guy <Donaldson.Guy@epa.gov>; Verhalen, Frances <verhalen.frances@epa.gov>
Subject: Fw: NATA action items from today's call

From: Perez, Idalia
Sent: Tuesday, August 21, 2018 4:29 PM
To: Air Division Directors and Deputies
Cc: Davis, Alison; Bremer, Kristen; Rimer, Kelly; Smith, Darcie; Caparoso, Jennifer; Lassiter, Penny; Shappley, Ned; Sasser, Erika; Koerber, Mike
Subject: RE: NATA action items from today's call

Adding the fact sheets to the earlier thread. Please note that these are not the final versions – formatting still needs to be done. This should be enough to help folks prep for tomorrow.

Idalia M. Pérez, Ph.D. | OAR Lead Region Coordinator
U.S. Environmental Protection Agency – Region 9
75 Hawthorne St. (AIR-1), San Francisco, CA 94105
P: 415.972.3248 | email: perez.idalia@epa.gov
OAR Lead Region SharePoint Site

Our mission is to protect human health and the environment.

From: Perez, Idalia
Sent: Tuesday, August 21, 2018 12:53 PM
To: Air Division Directors and Deputies <Air_Division_Directors_and_Deputies@epa.gov>
Cc: Davis, Alison <Davis.Alison@epa.gov>; Bremer, Kristen <Bremer.Kristen@epa.gov>; Rimer, Kelly <Rimer.Kelly@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Caparoso, Jennifer <Caparoso.Jennifer@epa.gov>; Lassiter, Penny <Lassiter.Penny@epa.gov>; Shappley, Ned <Shappley.Ned@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Koerber, Mike <Koerber.Mike@epa.gov>
Subject: NATA action items from today's call

ADD,

At the bottom of the emails are the following action items from today's call:

- Facility list (see attachment, not below)
- Information for August 22 Regional Call re: Workgroups
- Corporate call list
- Invitees to congressional call

Still pending:

- Invitees to communities call – still putting this together – will be sent separate in the next day or so
- Materials (fact sheets) – will be sent separate later today

Please let me know if there is anything else that you need and we will work to get it to you as soon as possible.
-Idalia

1. Information for August 22 Regional Call re: Workgroups

   Wednesday, August 22 at 3:30 p.m. – 4:30 p.m. EDT
   919 541 1595 (no pass code)
   Initial call with Regions to begin coordinating efforts for controlling ethylene oxide air emissions at chemical facilities
   (ADDs: please invite appropriate staff)

2. Corporate call list – see below

DRAFT - INTERNAL USE ONLY

Organization	Contact
Air Products Performance (now Evonik)	Teresa Reksel
B Braun Medical	Rex Boland
BASF Corporation	Mark Allen
BCP Ingredients	
C R Bard	Beth Bruette
Croda Inc.	

Edwards Lifesciences	Manuel Palma
Medline	
Medtronic (a.k.a. MedPlat/Viant)	Cindy Resman
Midwest Sterilization Corporation	Wayne Fitzpatrick
Port Neches Plant (Hunstman)	Ed Gunderson
Sasol Chemical - LCCC	Annette Habetz
Shell Technology Center Houston	Kenyatta Miles
Solvay (now Lanxess)	Rob Trozenski
Sterigenics	Kathy Hoffman
Terumo BCT	Jay Willis
Texas Operations (Eastman)/Taminco US (subsiduary of Eastman)	Steve Gossett
Union Carbide/Dow	Russell Wozniak

3. Invitees to congressional call – see below

DRAFT DRAFT DRAFT -- best guesses for congressional districts and nearby districts representing census tracts or block groups with higher risk numbers

State	City	EPA Region	MSA Area Name	US_rep	US_rep_aff	US_rep_dist	US_Sen_1	US_Sen_1_aff
Puerto Rico	Anasco	02	Aguadilla-Isabela, PR	Gonzalez-Colon, Jenniffer	R	Puerto Rico		
West Virginia	SOUTH CHARLESTON	03		Mooney, Alex	R	WV-2	Manchin, Joe	D
Pennsylvania	ALLENTOWN	03	Allentown-Bethlehem-Easton, PA-NJ	vacant		PA-15	Casey, Robert "Bob"	D
Delaware	New Castle	3	Philly-Camden-Wilmington	Rochester, Lisa	D	DE-AL	Carper, Tom	D
South Carolina	CHARLESTON	04	Charleston-North Charleston, SC	Clyburn, James "Jim"	D	SC-6	Graham, Lindsey	R
Georgia	Covington	4	Atlanta	Johnson, Hank	D	GA-04	Isakson, Johnny	R
Georgia	Smyrna	4	Atlanta	Lowdermilk, Barry	R	GA-11	Isakson, Johnny	R
Wisconsin	Milton	05		Ryan, Paul	R	WI-1	Johnson, Ron	R

Illinois	Willowbrook	05	Chicago-Naperville-Elgin, IL-IN-WI	Foster, Bill	D	IL-11	Durbin, Richard	D
Michigan	Wyoming	5	Grand Rapids-Wyoming	Huizenga, Bill	R	MI-02	Stabenow, Debbie	D
Texas	LONGVIEW	06	Marshall, TX	Gohmert, Louie	R	TX-1	Cornyn, John	R
Texas	PORT NECHES	06	Beaumont-Port Arthur, TX	Weber, Randy	R	TX-14	Cornyn, John	R
Louisiana	St. Gabriel	06	Baton Rouge, LA	Richmond, Cedric	D	LA-2	Cassidy, Bill	R
Louisiana	Taft	06	New Orleans-Metairie, LA	Richmond, Cedric	D	LA-2	Cassidy, Bill	R
Louisiana	St. Gabriel	06	New Orleans-Metairie, LA	Richmond, Cedric	D	LA-2	Cassidy, Bill	R
New Mexico	Santa Teresa	6	Las Cruces	Pearce, Stevan	R	NM-02	Udall, Tom	D
Texas	Laredo	6	Laredo	Cuellar, Henry	D	TX-28	Cornyn, John	R
Texas	Clear Lake	6	Houston	Babin, Brian	R	TX-36	Cornyn, John	R
Texas	Channelview	6	Houston	Green, Gene	D	TX-29	Cornyn, John	R
Missouri	VERONA	07		Long, Billy	R	MO-7	McCaskill, Claire	D
Missouri	Jackson	07	Cape Girardeau, MO-IL	Smith, Jason	R	MO-8	McCaskill, Claire	D
Colorado	Lakewood	8	Denver	Perlmutter, Ed	d	CO-07	Bennet, Michael	D

Idalia M. Pérez, Ph.D. | OAR Lead Region Coordinator
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OAR Lead Region SharePoint Site

Our mission is to protect human health and the environment.

Message

From: Thompson, Steve [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DEB5F1524AE94DC69ED0F4B2D6CA446A-THOMPSON, STEVE]
Sent: 4/18/2018 10:03:17 PM
To: Lourdes.Iturralde@LA.GOV
Subject: Fwd: 2014 NATA -LA facilities emitting ethylene oxide
Attachments: EtO facilities LA 4-13-18.xlsx; ATT00001.htm

Who do you want us to work through when coordinating discussions with the facilities?

I sent this list last week to Celena and April.

Sent from my iPhone

Begin forwarded message:

> **From:** "Thompson, Steve" <thompson.steve@epa.gov>
> **Date:** April 13, 2018 at 8:31:16 AM CDT
> **To:** Celena Cage <celena.cage@la.gov>, "April.Baiamonte@LA.GOV" <April.Baiamonte@LA.GOV>
> **Subject: 2014 NATA -LA facilities emitting ethylene oxide**
>
> Here are the LA facilities. We will talk next week about reaching out to facilities.

Facility ID	Facility Name	State	City	Address	EPA Region	V1 EtO emissions (tons)	V2 emi (t
5287111	Air Products Performance Manufacturing Inc - Reserve Plant	Louisiana	Reserve	474 W 19th St	06	2	
7451011	BCP Ingredients Inc	Louisiana	St. Gabriel	3830 Hwy 30	06	3	
5504811	Taminco US Inc	Louisiana	St. Gabriel	3790 Hwy 30	06	1	
7445611	Shell Chemical LP - Geismar Plant	Louisiana	Geismar	7594 Hwy 75	06	5	

8468011	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	Louisiana	Westlake	2201 Old Spanish Trail	06	6
8465611	BASF Corp - Geismar Site	Louisiana	Geismar	8404 River Rd (Hwy 75)	06	7
8467311	The Dow Chemical Co - Louisiana Operations	Louisiana	Plaquemine	21255 Hwy 1	06	2
7202911	Union Carbide Corp - St Charles Operations	Louisiana	Taft	355 Hwy 3142 Gate 1	06	15

Message

From: Thompson, Steve [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=DEB5F1524AE94DC69ED0F4B2D6CA446A-THOMPSON, STEVE]
Sent: 6/29/2018 7:49:57 PM
To: ramiro.garcia@tceq.texas.gov
Subject: List of TX EtO facilities
Attachments: Ethylene Oxide NATA V2 w 061418 list TX.xlsx

Message

From: Larson, Darrin [Larson.Darrin@epa.gov]
Sent: 8/16/2018 2:36:04 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: FW: NATA 5 LA facilities
Attachments: NATA 5 LA facilities.xlsx

This is what Anupa thought would be helpful to share with LDEQ. When you get a chance, let's discuss.

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Ahuja, Anupa
Sent: Thursday, August 16, 2018 9:14 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>
Subject: NATA 5 LA facilities

Attached is a spreadsheet for the five facilities in LA that details the EO emissions at each emission point at each facility as reported in the emissions inventory for 2104. The spreadsheet also contains the source description and permit number for each emission point.

All of the facilities on this list have been contacted by R6 and all but Union Carbide have confirmed the total EO emissions at their facility are the same as what was used by OAQPS in the modeling. Union Carbide has thus far not returned our phone calls.

Message

From: Larson, Darrin [Larson.Darrin@epa.gov]
Sent: 6/22/2018 1:53:14 PM
To: Seager, Cheryl [Seager.Cheryl@epa.gov]; Gilrein, Stephen [gilrein.stephen@epa.gov]
CC: Thompson, Steve [thompson.steve@epa.gov]
Subject: FW: Can you send the current list of ethylene oxide facilities? Tks
Attachments: Ethylene Oxide NATA V2 w 061418 list LA.xlsx

This spreadsheet has the four LA facilities on the latest list of 9 R6 EtO facilities expected to be on the NATA list. The list of 9 was part of the PowerPoint OAQPS used to brief you and Wren on 6/14 (it's in the meeting invitation). OAQPS didn't provide updated emissions data, so this spreadsheet has the emissions data for the previous version (V2).

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Larson, Darrin
Sent: Thursday, June 21, 2018 2:37 PM
To: Thompson, Steve <thompson.steve@epa.gov>; Lourdes Iturralde <Lourdes.Iturralde@LA.GOV>
Subject: RE: Can you send the current list of ethylene oxide facilities? Tks

Here's the latest list of EtO facilities expected to be on the NATA list. OAQPS hasn't provided us the latest emission numbers (just the facility names), but I included the most recent emission numbers we have for reference.

Please let me know if you have any questions.

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Thompson, Steve
Sent: Thursday, June 21, 2018 1:48 PM
To: Lourdes Iturralde <Lourdes.Iturralde@LA.GOV>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: Re: Can you send the current list of ethylene oxide facilities? Tks

Darrin,
Can you please send Lourdes the updated list of LA facilities?

Thanks,
Steve

Sent from my iPhone

On Jun 21, 2018, at 12:44 PM, Lourdes Iturralde <Lourdes.Iturralde@LA.GOV> wrote:

Message

From: Larson, Darrin [Larson.Darrin@epa.gov]
Sent: 6/22/2018 1:59:13 PM
To: Seager, Cheryl [Seager.Cheryl@epa.gov]; Gilrein, Stephen [gilrein.stephen@epa.gov]
CC: Thompson, Steve [thompson.steve@epa.gov]
Subject: FW: Ethylene oxide facility in NM - NATA
Attachments: Ethylene Oxide NATA NM.xlsx

And finally, here's the NM facility. There was only one NM facility on the earlier version, and it's also the current version.

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Larson, Darrin
Sent: Thursday, May 24, 2018 1:54 PM
To: 'Gruebel, Ralph, NMENV' <Ralph.Gruebel@state.nm.us>
Cc: Steve Thompson <thompson.steve@epa.gov>
Subject: Ethylene oxide facility in NM - NATA

Hi Ralph,

Here's the facility I mentioned during our call. Please let me know if you would like to discuss further.

For more info. on NATA in general, here's the link: https://www.epa.gov/national-air-toxics-assessment

And here's a link to the IRIS ethylene oxide page:
https://cfpub.epa.gov/ncea/iris2/chemicalLanding.cfm?substance_nmbr=1025

Darrin

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

Message

From: Larson, Darrin [Larson.Darrin@epa.gov]
Sent: 7/13/2018 7:20:15 PM
To: Thompson, Steve [thompson.steve@epa.gov]
Subject: Fwd: 2014/2016 EtO emissions from Sterginics in NM?

Sent from my iPhone

Begin forwarded message:

> **From:** "Larson, Darrin" <Larson.Darrin@epa.gov>
> **Date:** July 13, 2018 at 2:19:58 PM CDT
> **To:** "Ahuja, Anupa" <ahuja.anupa@epa.gov>
> **Subject: Re: 2014/2016 EtO emissions from Sterginics in NM?**
>
> Thanks, Anupa. That would actually match an 83% reduction of 3 tons. But let's see what Mort finds out.
>
> Sent from my iPhone
>
> On Jul 13, 2018, at 1:03 PM, Ahuja, Anupa <ahuja.anupa@epa.gov> wrote:
>
>> I found the TRI website but it keeps crashing my system. Before it crashed (for like the 5th time), the EtO emissions in Dona Ana county (where sterigenics is located) was 967 lbs for 2016 (= 0.48 ton). I am guessing there are no other facilities located there but my computer crashes before I can see the report. They only have data available for 2016 and 2015, both after the new controls were installed. Maybe Mort has access to historical (2014) data. Obviously the 0.48 ton is way less than the 6 ton combined limit, but since I can't get to the 2014 data, I have nothing to compare to see how much emissions went down.
>>
>> **From:** Ahuja, Anupa
>> **Sent:** Friday, July 13, 2018 12:13 PM
>> **To:** Larson, Darrin <Larson.Darrin@epa.gov>
>> **Subject:** RE: 2014/2016 EtO emissions from Sterginics in NM?
>>
>> Sure, I will look.
>>
>> **From:** Larson, Darrin
>> **Sent:** Friday, July 13, 2018 12:11 PM
>> **To:** Ahuja, Anupa <ahuja.anupa@epa.gov>
>> **Subject:** RE: 2014/2016 EtO emissions from Sterginics in NM?

I guess not.

Can you see if there is any info. publicly available?

Darrin Larson
Chief, Air Permitting Enforcement Section (6EN-AA)
U.S. EPA Region 6
Office: 214-665-7115
Mobile: 972-467-5509

From: Ahuja, Anupa
Sent: Friday, July 13, 2018 11:59 AM
To: Larson, Darrin <Larson.Darrin@epa.gov>
Subject: FW: 2014/2016 EtO emissions from Sterginics in NM?

Got this in the am. I don't think I will get it today.

From: Wakeland, Morton
Sent: Friday, July 13, 2018 8:06 AM
To: Yurk, Jeffrey <yurk.jeffrey@epa.gov>
Cc: Ahuja, Anupa <ahuja.anupa@epa.gov>
Subject: RE: 2014/2016 EtO emissions from Sterginics in NM?

am just back in Friday – out all week, may have to leave in a few…will try to get to
Mort

Morton E. Wakeland, Jr., Ph.D.
EPCRA 313 Enforcement & TRI Program Coordinator
Waste Compliance III Section
Compliance Assurance & Enforcement Division
U.S. EPA Region 6
Dallas, Texas
(214.665.8116)

From: Yurk, Jeffrey
Sent: Thursday, July 12, 2018 12:48 PM
To: Wakeland, Morton <wakeland.morton@epa.gov>
Cc: Ahuja, Anupa <ahuja.anupa@epa.gov>
Subject: RE: 2014/2016 EtO emissions from Sterginics in NM?

Mort: Can you help Anupa out with ethylene oxide air emissions from TRI requested below for Sterginics in New Mexico?

Thanks,

Jeff

From: Ahuja, Anupa
Sent: Thursday, July 12, 2018 12:44 PM
To: Yurk, Jeffrey <yurk.jeffrey@epa.gov>
Cc: Larson, Darrin <Larson.Darrin@epa.gov>; Thompson, Steve <thompson.steve@epa.gov>
Subject: 2014/2016 EtO emissions from Sterginics in NM?

Hi Jeff,
Steve Thompson is asking if the EtO emissions in TRI have been reduced by 83% in 2016 vs 2014. If you send the emissions for those 2 yrs, I can do the calc.

Thank you,
Anupa