Message

From: Danielle Nesvacil [danielle.nesvacil@tceq.texas.gov]
Sent: 4/6/2021 8:21:07 PM
To: Moeller, Michael [moeller.michael@epa.gov]
CC: Casso, Ruben [Casso.Ruben@epa.gov]
Subject: RE: TX Risk Assessment Emissions Data

Thanks so much for the quick turnaround, this is very helpful!

Danielle

From: Moeller, Michael <moeller.michael@epa.gov>
Sent: Tuesday, April 6, 2021 3:17 PM
To: Danielle Nesvacil <danielle.nesvacil@tceq.texas.gov>
Cc: Donna Huff <donna.huff@tceq.texas.gov>; Laurie Barker <Laurie.Barker@tceq.texas.gov>; Casso, Ruben <Casso.Ruben@epa.gov>; Vincent Meiller <vincent.meiller@tceq.texas.gov>; Tonya Baer <Tonya.Baer@tceq.texas.gov>
Subject: RE: TX Risk Assessment Emissions Data

Hi Danielle,

1) Shell Technology Center Houston data is from 2017. Eastman Chemical Texas Operations and Huntsman, Port Neches Operations are from 2014.
2) I've attached an updated file (the data is the same) that includes an EPA Pollutant column after the 'HEMChem' pollutant name. In addition, this updated data file includes additional EIS/Agency Identifier (retrieved from the EIS Gateway) columns to help match any potential emission sources from each facility.
3) Unfortunately, we do not have specific columns for emissions data source; however, the data would have come from either the NEI or information collection requests (ICR) from the facility.

Please let me know if you have any additional questions.

Thanks,

-Mike

From: Danielle Nesvacil <danielle.nesvacil@tceq.texas.gov>
Sent: Monday, April 5, 2021 5:16 PM
To: Moeller, Michael <moeller.michael@epa.gov>
Cc: Donna Huff <donna.huff@tceq.texas.gov>; Laurie Barker <Laurie.Barker@tceq.texas.gov>; Casso, Ruben <Casso.Ruben@epa.gov>; Vincent Meiller <vincent.meiller@tceq.texas.gov>; Tonya Baer <Tonya.Baer@tceq.texas.gov>
Subject: RE: TX Risk Assessment Emissions Data

Ruben and Michael,

Thank you for contacting us regarding ethylene oxide emissions data. To ensure we can efficiently review the information provided, we do have a few questions below.

1. Could you verify the reporting year for the emissions data in the spreadsheet is 2017?
2. Could you provide an EPA pollutant code, CAS number, or similar identifier for the pollutants? With approximately 2,500 rows of data, matching each row individually based on pollutant name would be time consuming. An EPA pollutant code/CAS number would allow us to quickly identify and match EPA and TCEQ data.

3. When we receive Texas NEI data from EPA/OAQPS, they provide a column that identifies whether the emissions data came from TCEQ, TRI, or EPA's data augmentation procedures. Do you happen to have something similar for the data in this spreadsheet? If not, no problem, we just wanted to check.

Please let me know if you need any clarification on the questions above and thanks in advance for your time.

Regards,
Danielle

Danielle Nesvacil | Manager, Emissions Assessment Section | TCEQ
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How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

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Begin forwarded message:

From: "Casso, Ruben" <Casso.Ruben@epa.gov>
Date: April 2, 2021 at 7:41:45 AM CDT
To: Tonya Baer <Tonya.Baer@tceq.texas.gov>
Cc: "Robinson, Jeffrey" <Robinson.Jeffrey@epa.gov>, "Verhalen, Frances" <verhalen.frances@epa.gov>
Subject: TX Risk Assessment Emissions Data

Please see the attached emissions modeling file and summary for the Texas facilities listed below. We request that this file be reviewed and returned with changes (if applicable) by April 23rd.
You are welcome to share the data for each individual facility with those specific facilities, if that will facilitate this review. If you need additional time to respond, please let us know.

EPA region	Facility Name	Location	HEM Facility ID
6	Huntsman, Port Neches Operations	Port Neches, TX	48245110000504800
6	Eastman Chemical Texas Operations	Longview, TX	482034941511
6	Shell Technology Center Houston	Houston, TX	482013736811

The first 18 columns of the file (columns A through R) are the emission and source input parameters we currently have to model these facilities with the Human Exposure Model (HEM). The remaining columns (S through AG) are the National Emissions Inventory (NEI) data included to provide more detail on the processes and units associated with each emission point (SourceID). Each row represents a facility, emissions source, and pollutant. The 'SumEmissionTPY' (Column D) value is the emission total, in tons per year, attributed to each Facility ID, Source ID and Pollutant combination. Source types (column H) are either point (P) or area (A), and a small number of horizontal points (H). For area sources, the release parameters are given in columns I through N. For point sources, the release parameters are given in columns O through R.

Also attached is a copy of the HEM-4 Users Guide in case anyone wants further information on the HEM input columns (A through R). Specifically, this information can be found on page 33-38.

If any changes are suggested for the emissions file, please note them either in writing and/or highlighting within the file.

If there are further questions regarding the data in this file or the format, feel free to reach out to Michael Moeller at moeller.michael@epa.gov and please cc: me at casso.ruben@epa.gov.

Thank you.

Ruben Casso
Air Toxics Coordinator
EPA Region 6
214-665-6763