Message

From: Strum, Madeleine [Strum.Madeleine@epa.gov]
Sent: 7/5/2017 4:47:33 PM
To: Kelly.Petersen@LA.gov
CC: Verhalen, Frances [verhalen.frances@epa.gov]; Palma, Ted [Palma.Ted@epa.gov]; Smith, Darcie [Smith.Darcie@epa.gov]; Maureen Ducote [Maureen.Ducote@la.gov]; Parker, Cindy [parker.cindy@epa.gov]; Madden, Joshua [madden.joshua@epa.gov]
Subject: RE: ethylene oxide emissions - NATA review
Attachments: 2ethyleneoxidefacilities.xlsx

Hi Kelly
There are 2 more facilities (listed below) that I don't have a record of your reviewing. Can you let me know if these emissions (columns highlighted in yellow) are correct? These facilities cause the tract risk to exceed 100 in a million:

Note that details on the process/release point (modeling file) ethylene oxide emissions are attached.

Thanks!!!

State	EPA Region	County	FIPS	Tract	Population	TRACT PT-StationaryPoint Cancer Risk (per million)	Driver Facility	State Reviewed Data? (Y/N) 5/15/17 version	Change Submitted ? (Y/N)	NOTES	State or Tribe	Fl
LA	EPA Region 6	Ascension	22005	22005030300	13728	97.828	7445611				Louisiana	225
LA	EPA Region 6	Iberville	22047	22047953102	2449	95	8467311				Louisiana	227

Madeleine Strum|U.S. Environmental Protection Agency|109 TW Alexander Drive, RTP, NC 27711
Office of Air Quality Planning and Standards|Air Quality Assessment Division|Emission Inventory and Analysis Group|919 541 2383

Mailing Address: US EPA OAQPS (C339-02)/ RTP, NC 27711

From: Kelly Petersen [mailto:Kelly.Petersen@LA.GOV]
Sent: Tuesday, March 21, 2017 5:16 PM
To: Strum, Madeleine <Strum.Madeleine@epa.gov>

Cc: Verhalen, Frances <verhalen.frances@epa.gov>; Palma, Ted <Palma.Ted@epa.gov>; Smith, Darcie <Smith.Darcie@epa.gov>; Maureen Ducote <Maureen.Ducote@la.gov>
Subject: RE: ethylene oxide emissions - NATA review

Madeleine,
I reviewed these emissions and they are all below the permitted limit, so I have no reason to doubt their validity. See the updates to the chart below.

Thanks,
Kelly Petersen
Air Planning and Assessment Division
Louisiana Department of Environmental Quality
Phone: (225) 219-3397 Fax: (225) 325-8141 kelly.petersen@la.gov

---

From: Strum, Madeleine [mailto:Strum.Madeleine@epa.gov]
Sent: Tuesday, March 21, 2017 7:45 AM
To: Kelly Petersen
Cc: Verhalen, Frances; Palma, Ted; Smith, Darcie
Subject: ethylene oxide emissions - NATA review

Hi Kelly,

A number of Louisiana facilities have ethylene oxide (EtO) emission estimates that could result in highly elevated tract risks. As we indicated in our January 2014 NATA modeling update (email from Sally Dombrowski 1/27/2017), the cancer health benchmark for Ethylene Oxide (EtO) was updated by EPA in December 2016 (https://cfpub.epa.gov/ncea/iris2/chemicalLanding.cfm?substance_nmbr=1025) and cancer risk levels for this pollutant are approximately 50 times higher.

In terms of annual emissions, the largest is Union Carbide, at about 15 tons EO emissions.

State or Tribe	FIPS	County	EIS facility_id	agy_facility_id	facility_name
Louisiana	22089	St. Charles	7202911	2083	Union Carbide Operations
Louisiana	22047	Iberville	7451011	27495	BCP Ingredien Inc
Louisiana	22047	Iberville	5504811	3263	Taminco US Inc
Louisiana	22095	St. John the Baptist	5287111	13560	Air Products P Manufacturing Plant
Louisiana	22005	Ascension	8465611	2049	BASF Corp - Ge Site
Louisiana	22019	Calcasieu	8468011	3271	Sasol Chemica Charles Chemi

These (along with a few others)are all on the "Jan2017 Update" of the SharePoint check list
https://usepa.sharepoint.com/sites/oar_Work/NATAREVIEW/2014Facility/Data/CheckList/checklist.xlsx?d=w276998ab32364c90a67e05342b2904ac

Have you verified the emissions and release parameters for these facilities?

Madeleine Strum | U.S. Environmental Protection Agency | 109 TW Alexander Drive, RTP, NC 27711

Office of Air Quality Planning and Standards|Air Quality Assessment Division|Emission Inventory and Analysis Group|919 541 2383

Mailing Address: US EPA OAQPS (C339-02)/ RTP, NC 27711