

## 2014 NATA Emissions Updates (as of July 28, 2020)

Emissions for the sources listed below have changed since EPA completed the modeling step of the NATA analysis. This list includes sources with:

- Known changes to emissions that occurred *after* 2014 (and therefore are not reflected in NATA);
- Changes that EPA incorporated into the NATA results via post-modeling corrections; and
- Recent corrections to 2014 emissions that are *not* reflected in the NATA results.

### 1. Known changes to Emissions that occurred after year 2014

**The NATA reflects emissions in 2014. The following facilities have had reductions or elimination of emissions since 2014. This should be considered in your use of NATA to prioritize pollutants or sources for further study.**

- Connecticut: Metal Finishing Techs Inc (EIS id 2790811). Respiratory should be eliminated after 2014 (Chlorine and chlorine related equipment were removed in October of 2014). This change impacts tracts in county 09003 (Hartford).
- Florida: SYNERGY HEALTH AST, LLC (EIS id 2747211). The facility shutdown in September of 2016. Key pollutants emitted were ethylene oxide and ethylene glycol. This change impacts tracts in county 12103 (Pinellas).
- Florida: CATERPILLAR INC. (EIS id 3868311). Shut down. This facility surrendered their air permit on 11/15/2016. Key pollutants emitted were hexamethylene diisocyanate and manganese. This change affects tracts in county 12031 (Duvall).
- Illinois: Custom Hard Chrome in Rosemont, IL (EIS id 2631311) closed in 2015/2016. The 2014 hexavalent chromium emissions of 143 lbs are no longer being emitted. This change impacts tract 17031819100.
- Illinois: Saint Anthony Hospital in Chicago, IL (EIS id 1849811) terminated its use of ethylene oxide in 2014. This change impacts tract 17031819100.
- Illinois: Swedish Covenant (EIS id 3340511) terminated its use of ethylene oxide sterilizers in February 2015. This change impacts tract 17031819100.
- Illinois: Radiac Abrasives Inc (EIS id 4150711) New controls (regenerative thermal oxidizers) added in 2016; would reduce naphthalene and volatile organic compounds. This change impacts tracts in county 17121 (Marion county).
- Indiana: DUBOIS WOOD PRODUCTS INC PLT 1 & WHITE (EIS id 8207711). Wood boiler shutdown Aug 2015. This change impacts tracts in county 18037 (Dubois County).
- Louisiana: E I DuPont de Nemours & Co - Pontchartrain Site (now known as Denka Performance Elastomer facility) (EIS id: 8026611) in St John The Baptist parish installed a control device and has reduced chloroprene emissions by 85% between 2014 and 2019.
- Minnesota: 3M - New Ulm - Electrical Products Div (EIS id 7837011). Shut down unit emitting ethylene oxide, summer of 2017. This change impacts tracts in county 27015 (Brown County)
- New Jersey: The BASF facility (EIS id 7990911) in Washington, NJ, in Warren County no longer uses or stores ethylene oxide. Ethylene oxide use ended April 28, 2017, and having ethylene oxide onsite ended May 31, 2017. This change impacts tracts in county 34041 (Warren County).

- New Mexico: STERIGENICS-SANTA TERESA FACILITY (EIS id 7582111) in Santa Teresa, NM, Dona Ana County, installed a control device and has reduced ethylene oxide emissions by 83% between 2014 and 2016.
- Pennsylvania: Shenango Coke works (EIS id 7407611) in Pittsburgh, Neville Island, Allegheny County, began shutting down in the 2016/2017 timeframe. Coke oven emissions have decreased between 2014 and 2016 from 10.7 tons to less than 0.25 tons. This change impacts tracts in 42003 (Allegheny county).
- West Virginia: CAMC - GENERAL DIVISION (EIS id 4937911). In 2016 emissions will be eliminated due to a process change in sterilization, but 2014 emissions are correct. The two ethylene oxide sterilizers at this hospital were removed in May 2016. This change affects tracts in 54039 (Kanawha county).

**2. Changes from 2014 NEI – incorporated into the results via post-modeling corrections, after modeling was done**

The state of Idaho and Davidson County, Tenn.: Emissions from nonpoint source category “NP-SolventsCoatings” for ethylene oxide should be 0; in the NEI nonzero emissions were estimated by these agencies based on methods/factors from a 1996 Emission Inventory Improvement Plan document that has since been updated with EPA’s Solvents Tool. Changes made to NATA were made after modeling was complete. The approach was to zero out concentrations, exposures and risks from ethylene oxide for the “NP-SolventsCoatings” source group for all of Tennessee, Idaho and neighboring states.

**3. Corrections to 2014 emissions that are not reflected in the NATA results**

**These corrections were identified in our final stages of QA/QC of the NATA information, and therefore EPA could not include them in the NATA results. Please consider this list in your use of NATA to prioritize pollutants or sources for further study.**

- Colorado: Terumo BCT Sterilization Services Inc. in Lakewood, CO (EIS id 3832911) was found to have different geographic coordinates (300 meters different), release parameters and ethylene oxide emissions than the 2014 NEI (NATA modeled emissions). The 2014 NEI (1.11 tons) provided by Colorado were based on year 2011. In 2014 this facility reported 1.251 tons to the [Toxics Release Inventory](#) (TRI), but the allocation of emissions by unit and release point is not available for that year. Other years of data where the allocation is available are 2016 (1.126 tons total) and 2017 (1.376 tons total).
- Illinois: Ele Corporation (called Pelron Corp in the 2014 NEI and NATA) (EIS id 3213711). Emissions from a 2018 stack test for ethylene oxide which reflect operating conditions also in 2014 are 0.00078 lb/hour (63.28 lbs at 8760 hours per year) whereas the annual 2014 NEI emissions computed based on an emission factor approach were 436.8 lb/year. Also the stack parameters should be revised as follows, which would lower the modeled concentrations: increase stack height from 2.4 m to 8.08 m; increase stack velocity from 0.119 m/s to 8.42 m/s; increase stack diameter from 0.101 m to 0.2 m; increase temperature from 294K to 300K and

move geographic coordinates by 12 m to new location of 41.805139, -87.817376 decimal degrees.

- Illinois: Vantage Specialties Inc. (EIS id 5011811) in Gurnee, Illinois. The 2014 NEI (and NATA modeling) erroneously had 0 ethylene oxide emissions for Vantage Specialties Inc. (EIS ID 5011811) in Gurnee, Illinois. The facility provided a value of 2723 lbs in 2014 and 1547 lbs in 2017. The facility provided updated emissions for years 2010 through 2017 to EPA's TRI; these corrections will be reflected in the TRI in Spring 2019.
- Iowa: Van Diest Supply Company in Webster City, Iowa (EIS id 5383511) revised their emissions of ethylene oxide in May 2018, after the 2014 NEI and NATA modeling was completed. The modeled value (2014 NEI) is 1.27 tons. The revised value is 0.000336 tons. This affects tracts in 19079 (Hamilton County).
- Louisiana: Union Carbide Corp – St. Charles Operations (EIS id 7202911) revised their 2014 ethylene oxide emissions. The 2014 emissions in the 2014 NEI were 15.032 tons. The corrected value is 10.43 tons.
- North Carolina: WakeMed (EIS id 14642711) in Raleigh, North Carolina. Ethylene oxide emissions from this facility were missing in the 2014 NEI. The actual emissions from this facility are 0.013 tons.
- Texas: Houston Plant (also known as AzkoNobel) (EIS id 4853011) in Houston, Texas. NEI ethylene oxide emissions were re-estimated by facility staff to be 0.1018 tons. (They indicated that their original values were overly conservative). The 2014 NEI value is 0.2523 tons.
- Texas: Conroe facility in Conroe, Texas (EIS id 4945611). The facility indicated they reported 2.62 tons of ethylene oxide for 2014, not the 2.6693 tons that are in the 2014 NEI.
- Texas: Texas Operations (also known as Eastman Chemical Company) (EIS ID 4941511) in Longview, Texas. The facility indicated they revised their 2014 ethylene oxide emissions. The 2014 emissions in the 2014 NEI were 7.4 tons. The corrected value is 3.4 tons. The 2017 emissions (based on the [2017 NEI](#)) are 5.4 tons.

### Change log

**August 22, 2018:** Original file

**October 31, 2018:** Added Vantage Specialties Inc. (EIS ID 5011811) to section 2 (Corrections to 2014 emissions that are not captured in the NATA modeling)

**June 27, 2019:** Removed the information on "Louisiana: Union Carbide Corp – St. Charles Operations (EIS id 7202911)" from section 1 (because it is in section 3)

**November 19, 2019:** Added information on Texas Operations (EIS IS 4941511) in Section 3 (Corrections to 2014 emissions that are not reflected in the NATA results)

**July 28, 2020:** Added information on Denka (EIS 8026611) , Louisiana, to Section 1 (emission reductions that occurred after 2014)

