

**2019 AirToxScreen Emissions Updates
(as of January 4, 2023)**

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

- Known changes to emissions that occurred *after 2019* (and therefore are not reflected in AirToxScreen)
- Changes that EPA incorporated into the AirToxScreen results via post-modeling corrections
- Recent corrections to 2019 emissions that are *not* reflected in the AirToxScreen results

1. Known changes to Emissions that occurred after year 2019

AirToxScreen reflects emissions in 2019. The following facilities have had reductions, corrections, or elimination of emissions since 2019. There are additional shutdowns that have occurred, the ones listed here have been featured on the AirToxScreen Mapping Tool. This should be considered in your use of AirToxScreen to prioritize pollutants or sources for further study.

Facility Shutdowns:

EPA Region	State	County	EIS Facility ID	Facility Name	Emissions by pollutant (year 2019 tons)
4	NC	Rowan	14638611	Centurion Medical Products Corporation	Ethylene Oxide 1.10E-01
4	SC	Lancaster	6519311	Duracell International	Manganese 1.1615E+00, Toluene 1.80E+00
4	SC	McCormick	3795211	Georgia-Pacific Wood Products LLC (McCormick Sawmill)	Acetaldehyde 1.53E+00, Carbon Tetrachloride 3.66E-03, Benzene 3.56E-01, Formaldehyde 2.41E+00, and others of less significance.
5	IL	Cook	2783011	Clybourn Metal Finishing Co	Trichloroethylene 3.74E+00
5	IL	Kane	1910611	Pamarco Inc	Chromium (VI) 5.23E-01
5	IL	Du Page	3219211	Sterigenics US LLC	Ethylene Oxide 2.30E+00, and others of less significance
5	OH	Cuyahoga	8251111	M.P.C. Plating, Inc. (1318000838)	Chromium (VI) 8.09E-02, Nickel 1.33E-01, Trichloroethylene 4.95E+00
5	WI	Dane	18988311	American Contract Systems, Inc.	Ethylene Oxide 3.54E-02
5	WI	Milwaukee	6273411	AMERICAS BEST QUALITY COATINGS CORP	Chromium (VI) 1.55E-04, Nickel 1.70E-02

EPA Region	State	County	EIS Facility ID	Facility Name	Emissions by pollutant (year 2019 tons)
6	TX	Harris	4058511	GREENS BAYOU PLANT	Chromium (VI) 4.83E-06, Naphthalene 1.56E-04, Acetaldehyde 2.19E-04, Carbon Tetrachloride 1.13E+00, Benzene 9.92E-04, Formaldehyde 1.47E-03, and others of less significance
9	NV	Washoe	5161011	SCHLOSSER FORGE CO-VIKING	Cobalt 5.50E-02, Chromium (VI) 6.80E-03, Nickel 2.35E-01

Unit Shutdowns:

EPA Region	State	EIS Facility ID	Facility Name	Unit Description	ethylene oxide modeled (Year 2019 Tons)
5	IL	7299411	Evanston Hospital	Ethylene oxide sterilizers removed April 2021	0.0187
5	IL	8016811	Memorial Medical Center	Ethylene oxide sterilizers removed February 2020	0.0600
5	MI	4173711	Viant Medical Inc.	Ethylene oxide - Viant Medical has signed a consent order to stop sterilizing medical devices using ethylene oxide (EtO) at its plant in Grand Rapids, Mich. by Dec. 31, 2020	0.07649
5	MI	5888411	Centurion Medical Products	Ethylene oxide - Stopped ethylene oxide sterilization by end of Oct 2021	0.115
9	AZ	1013511	Centurion Medical Products	Ethylene oxide – stopped ethylene oxide sterilization by Nov 2021	0.344

Additional Emission Corrections:

- Arizona:
 - American Contract Systems Inc (Facility ID: ACSAZ) installed controls for ethylene oxide emissions in 2022.
- Arkansas
 - Baxter Healthcare Corporation (EIS Facility ID: 1073211) ethylene oxide emission controls installed in 2022.
- California:

- Sterigenics US, Inc (Facility ID: EISSTERIGENICSLA) installed controls for ethylene oxide emissions in 2022.
 - Steris, Inc. (Facility ID: STERISTEMECULA) installed additional controls for ethylene oxide 1/2021.
 - Steris Isomedix Services Inc (EIS Facility ID: 7125311) installed additional controls for ethylene oxide 9/2021.
- Florida:
 - American Contract Systems, Inc (Facility ID: ACSTEMPLETERRACE) installed ethylene oxide controls after year 2019.
- Georgia:
 - Becton Dickinson (EIS Facility ID: 2686511) ethylene oxide emission controls installed after year 2019.
 - BD (Becton. Dickinson and Company) (EIS Facility ID: 17953911) ethylene oxide emission controls installed after year 2019.
 - BD Global Distribution Center (EIS Facility ID: 18922211) installed ethylene oxide controls after year 2019.
- Illinois:
 - Vantage Specialties Inc (EIS Facility ID: 5011811) installed additional ethylene oxide controls, established enhanced LDAR, and installed CEMS.
- Indiana: Cook, Incorporated (EIS Facility ID: 4553311) ethylene oxide emission controls installed after year 2019.
- Iowa: American Contract Systems, Inc (Facility ID: ACSIA) installed ethylene oxide controls in 2021.
- Massachusetts: Isomedix Operation, Inc. (EIS Facility ID: 8142611) installed ethylene oxide controls 2/2021.
- Minnesota: Steris Inc. (EIS Facility ID: 6449011) installed control for ethylene oxide 7/2021.
- Missouri: Midwest Sterilization Corp-Jackson (EIS Facility ID: 7703311) ethylene oxide emission controls installed after year 2019.
- New Jersey: Steris Isomedix Services Inc. (EIS Facility ID: 6721211) installed ethylene oxide controls 7/2021.
- New Mexico: Sterigenics-Santa Teresa (EIS Facility ID: 7582111) ethylene oxide emission controls installed in 2022.
- New York: Sterigenics US LLC (EIS Facility ID: 8409411) ethylene oxide emission controls installed January 2021.
- North Carolina: Andersen Products, Inc (EIS Facility ID: 13453111) discontinued use of ethylene oxide on December 31, 2020.
- Ohio: American Contract Systems, Inc (Facility ID: ACSOH) installed control for ethylene oxide 4/2021.
- Pennsylvania: Cosmed Group LLC/Erie (EIS Facility ID: 3765611) installed ethylene oxide controls 8/2022.
- South Carolina: STERIS-Isomedix Services (EIS Facility ID: 6640211) installed additional ethylene oxide controls in 2/2021.
- Texas:

- Midwest Sterilization Corp (EIS Facility ID: 9061511) ethylene oxide emission controls installed after year 2019.
- Ethicon Inc (EIS Facility ID: 6755311) ethylene oxide emission controls installed after year 2019.
- Sterigenics U.S. LLC (EIS Facility ID: 9132811) ethylene oxide emission controls installed in 2022.
- Isomedix Operations, Inc. (EIS Facility ID: 6888911) ethylene oxide emission controls installed 6/2022.
- Isomedix Operations, Inc. (EIS Facility ID: 3049411) ethylene oxide emission controls installed 9/2021 and 12/2021.
- Wisconsin: Evonik Corp (EIS Facility ID: 4953611) in Rock County ethylene oxide emissions reduced since 2019 on a voluntary basis with refined emission calculations, removal of equipment, installation of emission reducing components, and implementing an enhanced leak detection and repair program.

2. Changes from 2019 NEI – incorporated into the results via post-modeling corrections, after modeling was done

- Pennsylvania: Custom Processing Services LLC (Facility ID 17598811) in Montgomery County emissions of hexavalent chromium were corrected from 0.2124 tons to zero tons and post-modeling risk corrections were made using the same ratio.
- South Carolina: Steris Spartanburg (Facility ID 6640211) in Spartanburg County, emissions of ethylene oxide were corrected from 1.766 tons to 0.6174 tons and post-modeling risk corrections were made using the same ratio.

3. Corrections to 2019 emissions that are not reflected in the AirToxScreen results

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

- Arizona: Stryker Sustainability Solutions (Facility ID: STRYKER) in Maricopa County updated information from facility indicates ethylene oxide emissions were approximately 70% lower in 2018 than what appears in the 2018 AirToxScreen.
- Illinois: Baxter Healthcare Corp (Facility ID 5528111) in Lake County shut down its Ethylene oxide sterilizers April 2019 and removed them December 2019. Ethylene oxide emissions from January through April 2019 were not modeled.
- Minnesota: Viking Drill & Tool Inc (Facility ID 7029211) in Ramsey County reported 5.42 tons of Trichloroethylene to EPA's Toxic Release Inventory Program. These emissions were not included in the 2019 AirToxScreen because there was an indication in the Emission Inventory System that this facility was shut down in 2019. However, this facility shutdown with no emissions in 2020.
- Nebraska: Eaton MDH Company (EIS Facility ID: 7573111) in Buffalo County updated emissions of hexavalent chromium from 2.727 tons to 0.034 tons, which is a more accurate estimate.

- North Carolina: Centurion Medical Products Corporation (EIS Facility ID: 14638611) in Rowan County updated information from facility indicates that ethylene oxide emissions are approximately 90% less than what appears in the 2019 AirToxScreen.
- Oregon: Boeing Company (EIS Facility ID: 8140811) in Multnomah County updated information from the Oregon Department of Environmental Quality indicates that hexavalent chromium emissions are approximately 99.8 - 99.96% less than what appears in the 2019 AirToxScreen.