

3.5 How are Individual States Addressing EtO?

State regulatory agencies often have the delegated authority to regulate and enforce environmental and public health requirements. The 50 states have different priorities, resources, and processes. Several states have been actively involved with addressing EtO emissions across multiple regulatory programs. Click on the map for detailed state information, including fact sheets, state delegation, USEPA information, and county-specific information (Figure 4).

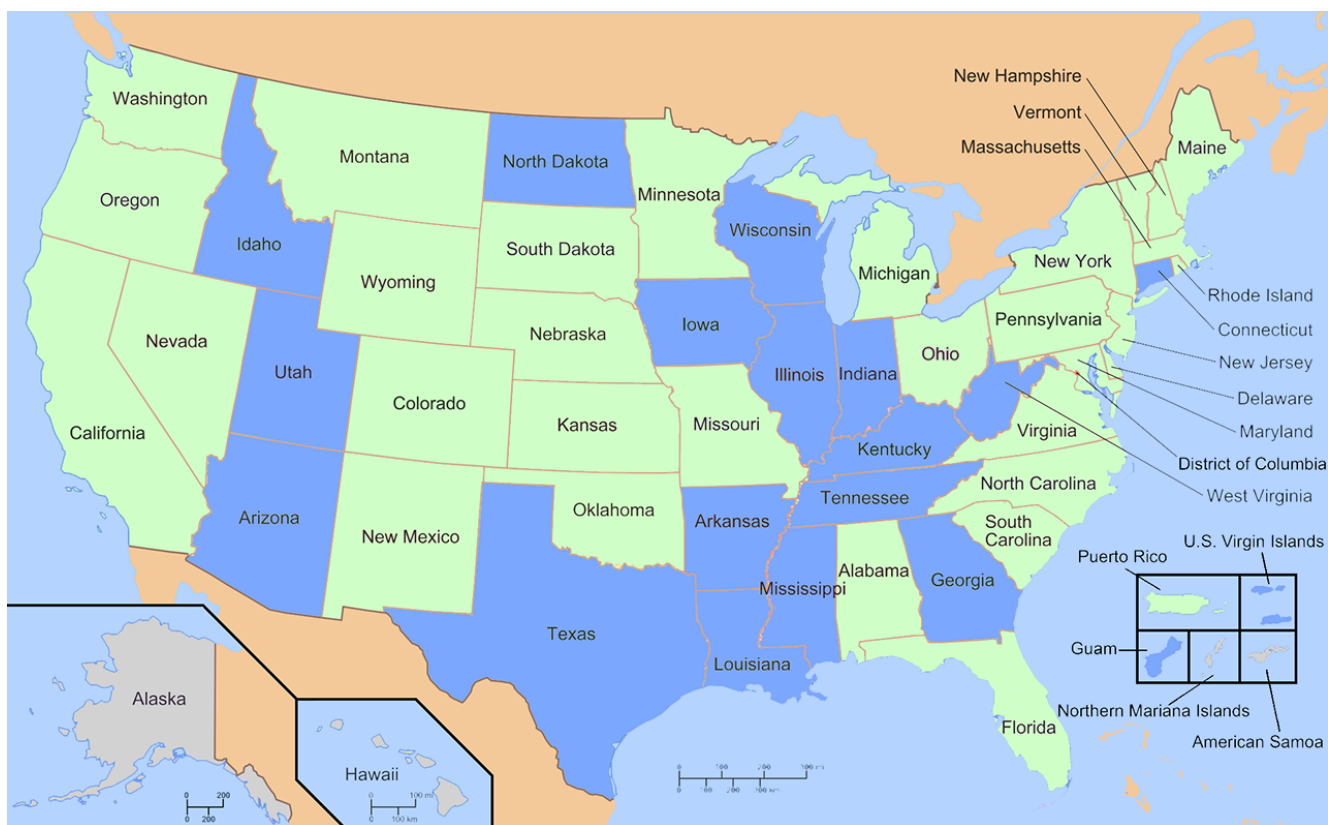


Figure 4. Interactive EtO Regulations, Resources, and Processes tool.

Alabama

State Delegation on EtO

Alabama Department of Environmental Management, Air Program

USEPA Information

Part 63 National Emission Standards for Hazardous Air Pollutants (NESHAP) (2021)

Alabama Department of Environmental Management: Air Division - Air Pollution Control Program. Division 335-3(2021)

Alabama Department of Environmental Management: Air Division, Notice of Intended Action (1996, amended 2015)

County-Specific Information

City of Huntsville Department of Natural Resources

Jefferson County Department of Health

Alaska

USEPA Information

Delegations of New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants

(NESHAP) in the Pacific Northwest

EPA's ANPRM to solicit information to revise standards for commercial ethylene oxide sterilization and fumigation facilities

<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-A>

Arizona

State Delegation on EtO

AZDEQ NESHAPs and NSPS

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

County-Specific Information

Maricopa County

Pima County

Maricopa County Air Regulation Compilation (epa.gov)

Arkansas

State Delegation on EtO

ADEQ, Office of Air Quality APC&EC Air Regulations

Federal Register :: National Emission Standards for Hazardous Air Pollutants; Delegation of Authority to Arkansas

USEPA Information

ARKANSAS POLLUTION CONTROL, REGULATION NO. 18 ARKANSAS AIR POLLUTION CONTROL CODE

ADEQ, MOA for State Delegation of CAA Section 112 Standards (2014)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

California

State Delegation on EtO

FINAL REGULATION ORDER , ETHYLENE OXIDE AIRBORNE TOXIC CONTROL MEASURE

Ethylene Oxide Airborne Toxic Control Measure (ATCM)

CA: South Coast Air Quality Management District - RULE 1405. CONTROL OF ETHYLENE OXIDE AND CHLOROFLUOROCARBON EMISSIONS FROM STERILIZATION OR FUMIGATION PROCESSES (aqmd.gov)

CA: South Coast Air Quality Management District - Proposed Amended Rule 1405 (aqmd.gov)

USEPA Information

US EPA Regulations for Ethylene Oxide

Ethylene Oxide Commercial Sterilization Facilities | US EPA

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

Fact Sheets

Ethylene Oxide (EtO) Fact Sheet (2008)

Colorado

State Delegation on EtO

Ethylene oxide and Terumo BCT | Department of Public Health & Environment (colorado.gov)

USEPA Information

Air Toxics Screening Assessment

Lakewood, Colorado (Terumo BCT Sterilization Service, Inc.)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Community risk assessment of ethylene oxide near

Connecticut

State Delegation on EtO

State of Connecticut Regulation of Department of Energy and Environmental Protection Concerning Release Reporting Regulations

Update on EPA Air Programs, 2021 SIPRAC Meeting

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Delaware

State Delegation on EtO

Title 7 Natural Resources and Environmental Control 1138 Emission Standards for Hazardous Air Pollutants for Source Categories

Florida

State Delegation on EtO

62-210.310 : Air General Permits - Florida Administrative Rules, Law, Code, Register - FAC, FAR, Rulemaking (flrules.org)

USEPA Information

Ethylene Oxide Emissions Standards for Sterilization Facilities: National Emission Standards for Hazardous Air Pollutants (NESHAP) | US EPA

Groveland, Florida (International Sterilization Laboratory)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Frequent Questions about Ethylene Oxide (EtO) | US EPA

County-Specific Information

Groveland, FL

<https://www.epa.gov/fl/temple-terrace-fl-american-contract-systems>

Fort Myers, FL (American Contract Systems (Fort Myers Facility)) | US EPA

Georgia

State Delegation on EtO

AIR PROTECTION BRANCH 2020 Air Quality Report

USEPA Information

Subject 391-3-1 AIR QUALITY CONTROL, Rule 391-3-1-.01 Definitions. Amended

Georgia EPD Comments on 2017 AirToxScreen

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Ethylene oxide: Technical Reviews and Outreach to Potentially Affected Communities Status Report -- Sterigenics Cobb County, Smyrna, Georgia

Hawaii

State Delegation on EtO

Clean Air Branch (hawaii.gov)

Air Pollution Control Permits

USEPA Information

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

Idaho

State Delegation on EtO

IDAPA 58 - Department of Environmental Quality. Book (idaho.gov)

Illinois

State Delegation on EtO

Public Act 101-0022, Illinois General Assembly

Public Act 101-0023, Illinois General Assembly (2019)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Indiana

State Delegation on EtO

Indiana General Assembly - Indiana Register

ARTICLE 20. HAZARDOUS AIR POLLUTANTS, Indiana Administrative Code

USEPA Information

IDEM: Air Toxics: Air Toxics Rules (in.gov)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Iowa

State Delegation on EtO

CHAPTER 22 CONTROLLING POLLUTION

USEPA Information

Air Toxics: EPA Updates Several Regulations

Air Toxics Update: Miscellaneous Organic Chemical Manufacturing (MON) (2020)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Air Quality - Polk County Iowa

Outdoor Air Quality | Linn County, IA - Official Website (linncountyiowa.gov)

Air Toxics | Linn County, IA - Official Website (linncountyiowa.gov)

Kansas

State Delegation on EtO

KS-Air-Quality-Regulations-PDF

USEPA Information

Delegation of Authority in Kansas for New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants | US EPA

County-Specific Information

<https://www.wycokck.org/Departments/Health/Clean-Safe-Places/Air-Quality>

Permitting & Technical Services - Unified Government of Wyandotte County and Kansas City (wycokck.org)

Kentucky

State Delegation on EtO

Title 401 Chapter 59 Regulation 090 • Kentucky Administrative Regulations • Legislative Research Commission

Title 401 Chapter 61 Regulation 040 • Kentucky Administrative Regulations • Legislative Research Commission

Title 401 Chapter 63 Regulation 002 • Kentucky Administrative Regulations • Legislative Research Commission

USEPA Information

Title 401 Chapter 57 Regulation 002 • Kentucky Administrative Regulations • Legislative Research Commission

County-Specific Information

Regulation 5.14 Version 8 Hazardous Air Pollutants and Source Categories Louisville Metro Air Pollution Control District 2012 (louisvilleky.gov)

Louisiana

State Delegation on EtO

TITLE 33 Part III. Air (2013)

USEPA Information

Air Issues in Louisiana | US EPA

Maine

State Delegation on EtO

<https://www.maine.gov/dep/air/monitoring/index.html>

USEPA Information

Maine DEP - Air - Programs - Hazardous Air pollutants - National Emission Standards for Hazardous Air Pollutants Maximum Achievable Control Technology Major and Area Sources

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Findings of Fact Amendment #1. Jackson Laboratory, Hancock County, Maine. State of Main DEP

Findings of Fact Amendment #5. Jackson Laboratory, Hancock County, Maine. State of Main DEP

Maryland

State Delegation on EtO

Toxic Air Pollutant Regulations Assistance (maryland.gov)

2012-Revised-TAP-Screening-Levels-cas-sort.pdf (maryland.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Fact Sheets

Title 5 Fact Sheet (maryland.gov)

County-Specific Information

Hanover, MD

Jessup, MD

Salisbury, MD

Massachusetts

State Delegation on EtO

Massachusetts Department of Environmental Protection (MassDEP) Top Case BACT Guidelines For MECHANICAL AND MISCELLANEOUS SOURCES

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Fact Sheets

Massachusetts Toxics Use Reduction Institute, Ethylene Oxide Fact Sheet

County-Specific Information

Taunton, MA

Michigan

State Delegation on EtO

Fact Sheets

Ethylene Oxide Air Emissions Viant Medical Inc. Frequently Asked Questions (2019)

Minnesota

State Delegation on EtO

Minnesota Rules 2020, Chapter 7007 (mn.gov)

USEPA Information

Minnesota Administrative Rules 7011.7140 INCORPORATION BY REFERENCE; EMISSION STANDARDS; ETHYLENE OXIDE FOR STERILIZERS.

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Fact Sheets

Facts about Air Quality Permit Rules (2010)

Mississippi

USEPA Information

Air Regs, Chapter 4, Ambient Air Quality Standards, Amended October 24, 2013.docx (ms.gov)

Missouri

State Delegation on EtO

Area Sources and Standards | Missouri Department of Natural Resources (mo.gov)

Missouri Secretary of State: Code of State Regulations (mo.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Jackson, MO

Montana

State Delegation on EtO

Administrative Rules of the State of Montana (mt.gov)

Nebraska

State Delegation on EtO

AIR QUALITY REGULATIONS STATE OF NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY - TITLE129 6-15-11.DOC (ne.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Columbus, NE

Air Quality - City of Lincoln, NE

Air Quality Control - publicworks.cityofomaha.org

Nevada

State Delegation on EtO

NAC: CHAPTER 445B - AIR CONTROLS (state.nv.us)

USEPA Information

Lincoln-Lancaster County Health Department Air Quality Program 40 CFR Part 63 Subpart WWWW – Initial Notification / Notification of Compliance Status

Ethylene Oxide Commercial Sterilization Facilities | US EPA

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

New Hampshire

State Delegation on EtO

<https://www.des.nh.gov/air/industrial-sources/air-toxics-compliance>

New Jersey

State Delegation on EtO

NJ EtO reporting guidelines

<https://dep.nj.gov/airquality/>

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Fact Sheets

FACT SHEET Ethylene Oxide (EtO) Air Emissions from Commercial Sterilizers (2022)

Hazardous Substance Fact Sheet, Ethylene Oxide (revised 2016)

County-Specific Information

Franklin , NJ

Linden, NJ

New Mexico

State Delegation on EtO

83-FR-15964-EPA-Delegation-to-NM.pdf

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

New York

State Delegation on EtO

DAR-1: Guidelines for the Evaluation and Control of Ambient Air Contaminants Under 6NYCRR Part 212

ENB Statewide Notices 1/13/2021 - NYS Dept. of Environmental Conservation

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

North Carolina

State Delegation on EtO

SECTION .0500 - EMISSION CONTROL STANDARDS (pg. 53)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

FORSYTH COUNTY, NORTH CAROLINA

Appendices to the Forsyth County, NC, Air Quality Control Code and Air Quality Technical Code (2000)

North Dakota

State Delegation on EtO

Air Toxics Policy Final 8.25.10 Version _Word_ (nd.gov)

Air Quality - North Dakota Department of Environmental Quality (nd.gov)

Ohio

State Delegation on EtO

DAPC Regulations | Ohio Environmental Protection Agency

USEPA Information

3745-77_Complete.pdf (ohio.gov)

DAPC Regulations | Ohio Environmental Protection Agency

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Oklahoma

State Delegation on EtO

Federal Register / Vol. 87, No. 139 / Thursday, July 21, 2022 / Rules and Regulation

Revisions to SIP for State of Oklahoma (epa.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Ardmore, OK

Oregon

State Delegation on EtO

Oregon Secretary of State Administrative Rules, Division 244 OREGON FEDERAL HAZARDOUS AIR POLLUTANT PROGRAM

Pennsylvania

State Delegation on EtO

Emission Standards (pa.gov)

USEPA Information

PADEP Comments to EPA EtO ANRPM.pdf (state.pa.us)

Technical Air Pollution Resources | US EPA

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Erie, PA

Zelienople, PA

Rhode Island

State Delegation on EtO

RI DEM/Air Resources- Air Pollution Control Regulation No. 22- Air Toxics

RI DEM/Air Resources- Air Pollution Control Regulation No. 9- Air Pollution Control Permits (risos-apa-production-public.s3.amazonaws.com)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

South Carolina

State Delegation on EtO

<https://www.scstatehouse.gov/coderegs/Chapter%2061-62.pdf>

<https://www.congress.gov/bill/101st-congress/senate-bill/1630/text>

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

South Dakota

State Delegation on EtO

Administrative Rule 74:36:08:10 | South Dakota Legislature (sdlegislature.gov)

Administrative Rule 74:36:08:103 | South Dakota Legislature (sdlegislature.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Tennessee

USEPA Information

Summary of Regulations Controlling Air Emissions from HOSPITAL STERILIZERS USING ETHYLENE OXIDE

Ethylene Oxide (EtO) (tn.gov)

Ethylene Oxide (tn.gov)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

New Tazewell, TN

Memphis, TN

Texas

USEPA Information

40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories (a.k.a. Maximum Achievable Control Technology (MACT))

40 CFR Part 63 Subpart WWWW -- National Emission Standards for Hospital Ethylene Oxide Sterilizers

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Athens, TX

Laredo, TX

Utah

USEPA Information

Ethylene Oxide in Utah - Utah Department of Environmental Quality

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Sandy, UT

Vermont

State Delegation on EtO

STATE OF VERMONT AGENCY OF NATURAL RESOURCES, AIR POLLUTION CONTROL REGULATIONS (2018)

County-Specific Information

1382.doc (live.com)

Virginia

State Delegation on EtO

Department of Veterans Affairs Veterans Health Administration, Safe use of Ethylene Oxide (2017)

Virginia Register of Regulations Vol. 2 Iss. 11

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Henrico, VA

Washington

State Delegation on EtO

Chapter 173-401 WAC: Thresholds for hazardous air pollutants.

County-Specific Information

Benton Clean Air Agency

SWCAA Permits (swcleanair.gov) Permits & Registration | Puget Sound Clean Air Agency, WA (pscleanair.gov)

Permits and Services | Northwest Clean Air Agency (nwcleanairwa.gov)

Air Operating Permits - Spokane Regional Clean Air Agency (spokanecleanair.org)

Yakima County Air Quality - Yakima Regional Clean Air Agency (yakimacleanair.org)

West Virginia

USEPA Information

Ethylene Oxide (EtO) (wv.gov)

Ethylene Oxide Commercial Sterilization Facilities | US EPA

Wisconsin

State Delegation on EtO

Chapter NR 445 CONTROL OF HAZARDOUS POLLUTANTS

Chapter NR 440 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

Air Pollution Control Rules | | Wisconsin DNR

Wyoming

State Delegation on EtO

Environmental Quality, Dept. of Air Quality, Chapter 5: National Emission Standards

American Samoa

USEPA Information

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

Approved Air Quality Implementation Plans in American Samoa | US EPA

Commonwealth of the Northern Mariana Islands

USEPA Information

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

Approved Air Quality Implementation Plans in the Commonwealth of the Northern Mariana Islands

Guam

State Delegation on EtO

Air Pollution Control Standards GEDA

Guam Air Regulation Compilation (epa.gov)

USEPA Information

CAA Permitting in EPA's Pacific Southwest (Region 9) | US EPA

Approved Air Quality Implementation Plans in Guam | US EPA

Puerto Rico

State Delegation on EtO

Amendments-7985-for-the-Regulation-for-the-Control-of-Atmospheric-Air-Pollution-Reg-5300.pdf (pr.gov)

Regulations-for-the-Control-of-Atmospheric-Pollution-RCAP-1995-Regulation-No-5300.pdf (pr.gov)

USEPA Information

Ethylene Oxide Commercial Sterilization Facilities | US EPA

County-Specific Information

Añasco, PR

Fajardo, PR

Salinas, PR

Villalba, PR

US Virgin Islands

USEPA Information

EPA Approved Statutes and Regulations in the U.S. Virgin Islands SIP | US EPA

Delegation Key:

- no delegation

- delegation

- delegation + extra info/state info/USEPA info