

**TCEQ Mechanical Sources**

**Current Maintenance, Startup, and Shutdown (MSS) Best Available Control Technology (BACT) Guidelines**

**Ethylene Oxide (ETO) Sterilization Units (MACT 40 CFR 63, Subpart O)**

| Source Type | Pollutant      | Minimum Acceptable Control  | Details   |
|-------------|----------------|---|---|
| Sterilizers | Ethylene Oxide | <p>Same as Current BACT Guidelines</p> <p>Meet the requirements of applicable emissions standards in 40 CFR 63, Subpart O</p> | <p>No control for &lt; 1 ton sources from SCV, ARV, and CEV with minimal recordkeeping</p> <p>For 1 ton to &lt; 10 ton sources from SCV (99% reduction); no control for ARV (maximum concentration limit of 5,300 ppmv prior to activation of the chamber exhaust)</p> <p>For 10 ton sources from SCV (99% emission reduction); ARV (99% emission reduction or 1 ppmv maximum outlet concentration), and from CEV (99% emission reduction)</p> <p><b>Note:</b> SCV = Sterilization Chamber Vent;<br/>ARV = Aeration Room Vent; and<br/>CEV - Chamber Exhaust Vent</p> |