



**Exemption § 106.417 Checklist
(Previously Standard Exemption 89)
Ethylene Oxide (EtO) Sterilization Facilities**

The following checklist has been developed so the Texas Commission on Environmental Quality (TCEQ) can confirm you meet exemption requirements. The questions are derived from § 106.4, previously § 116.211, and the exemption list. Please read all questions and check YES or NO (equivalent to True or False), or give specific information as applicable to your facility. If you do not meet all conditions of a specific exemption, you will not be allowed to operate the facility under exemption and you must apply for a construction permit as required under § 116.111 prior to construction.

For additional assistance with your application, including resources to help calculate your emissions, please visit the Small Business and Local Government Assistance (SBLGA) webpage at the following link: www.TexasEnviroHelp.org

Please Complete the Following:	
All sterilizers must meet the following conditions:	<input type="checkbox"/> YES <input type="checkbox"/> NO
EtO will be handled by appropriately trained personnel	<input type="checkbox"/> YES <input type="checkbox"/> NO
Written records shall be maintained for a minimum of two years	<input type="checkbox"/> YES <input type="checkbox"/> NO
Records will include the date and time of each sterilizer operation cycle	<input type="checkbox"/> YES <input type="checkbox"/> NO
Records will include the total pounds of EtO purchased and used per calendar year (listed as monthly totals)	<input type="checkbox"/> YES <input type="checkbox"/> NO
Records will include leak test results	<input type="checkbox"/> YES <input type="checkbox"/> NO
Leak tests of each sterilizer system will be performed at least every six months	<input type="checkbox"/> YES <input type="checkbox"/> NO
The EtO concentration will not exceed 10 ppm (measured at a distance of 1 centimeter from any portion of the sterilizer system)	<input type="checkbox"/> YES <input type="checkbox"/> NO
If a concentration greater than 10 ppm is detected, the sterilizer will be shutdown until the condition is corrected	<input type="checkbox"/> YES <input type="checkbox"/> NO
The Sterilizer gas mixture will be: <input type="checkbox"/> 100% EtO <input type="checkbox"/> 12% EtO / 88% CFC-12 <input type="checkbox"/> 10% EtO / 90% CO ₂ <input type="checkbox"/> Other:	
The sterilizer vent system exhaust stack will be uncapped and exhaust vertically upward	<input type="checkbox"/> YES <input type="checkbox"/> NO
The stack height shall be extended to at least 15 feet above the roof line of the building	<input type="checkbox"/> YES <input type="checkbox"/> NO
The stack tip shall be located at least 25 feet from any opening to the building interior, such as fresh air intake, unsealed windows, or pedestrian traffic areas	<input type="checkbox"/> YES <input type="checkbox"/> NO
Stack exit velocity will be at least 50 feet per second	<input type="checkbox"/> YES <input type="checkbox"/> NO
In addition to the conditions of (a), the following conditions apply <u>only to sterilizers that use less than 100 pounds of EtO per year</u> :	<input type="checkbox"/> YES <input type="checkbox"/> NO
Sterilizer will use less than 100 lb per year of EtO	<input type="checkbox"/> YES <input type="checkbox"/> NO
This sterilizer system vents entirely to atmosphere and will not use more than 0.5 pounds of EtO per cycle	<input type="checkbox"/> YES <input type="checkbox"/> NO
This sterilizer system uses non-recirculating, water sealed vacuum systems and will not use more than 2 pounds of EtO charged per cycle	<input type="checkbox"/> YES <input type="checkbox"/> NO
Combination of sterilizers on the same or contiguous property will use less than 100 lbs per year of EtO	<input type="checkbox"/> YES <input type="checkbox"/> NO
In addition to the conditions of (a) above, sterilizers that use between 100 and 1,000 lbs or EtO per year must answer the following:	<input type="checkbox"/> YES <input type="checkbox"/> NO
Sterilizer will use between 100 and 1,000 lb/yr of EtO	<input type="checkbox"/> YES <input type="checkbox"/> NO
Construction at the facility has begun	<input type="checkbox"/> YES <input type="checkbox"/> NO



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Please Complete the Following:	
Form PI-7 is complete and attached	<input type="checkbox"/> YES <input type="checkbox"/> NO
The sterilizer chamber exhaust shall vent through an emission control device that will continuously achieve an EtO removal efficiency of 99%	<input type="checkbox"/> YES <input type="checkbox"/> NO
Thermal incineration will not be used to control sterilizer exhaust emissions if chlorofluorocarbons are used as a diluent	<input type="checkbox"/> YES <input type="checkbox"/> NO
Within 60 days of start-up, the control device performance will be verified through stack testing	<input type="checkbox"/> YES <input type="checkbox"/> NO
There will be no discharge of water containing dissolved EtO through a sanitary sewer system	<input type="checkbox"/> YES <input type="checkbox"/> NO
Any combination of sterilizers located on the same or contiguous property under common ownership will be limited to a total EtO usage of 1,000 pounds per year	<input type="checkbox"/> YES <input type="checkbox"/> NO
Name:	
Company:	
Title:	
Facility Name:	
Location:	
Phone No.:	Fax No.:
E-mail Address:	Account ID No.:
Signature of Company Officer:	Date: