

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

August 17, 2017

**PERMIT TO INSTALL**  
24-94B

**ISSUED TO**  
Centurion Medical Products Corp.

**LOCATED AT**  
301 Catrell Drive  
Howell, Michigan

**IN THE COUNTY OF**  
Livingston

**STATE REGISTRATION NUMBER**  
N5109

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

**July 6, 2017**

DATE PERMIT TO INSTALL APPROVED:

**August 17, 2017**

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

**PERMIT TO INSTALL**

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**Common Abbreviations / Acronyms**

<b>Common Acronyms</b>		<b>Pollutant / Measurement Abbreviations</b>	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO <sub>2e</sub>	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
EU	Emission Unit	gr	Grains
FG	Flexible Group	HAP	Hazardous Air Pollutant
GACS	Gallons of Applied Coating Solids	Hg	Mercury
GC	General Condition	hr	Hour
GHGs	Greenhouse Gases	HP	Horsepower
HVLP	High Volume Low Pressure*	H <sub>2</sub> S	Hydrogen Sulfide
ID	Identification	kW	Kilowatt
IRSL	Initial Risk Screening Level	lb	Pound
ITSL	Initial Threshold Screening Level	m	Meter
LAER	Lowest Achievable Emission Rate	mg	Milligram
MACT	Maximum Achievable Control Technology	mm	Millimeter
MAERS	Michigan Air Emissions Reporting System	MM	Million
MAP	Malfunction Abatement Plan	MW	Megawatts
MDEQ	Michigan Department of Environmental Quality	NMOC	Non-methane Organic Compounds
MSDS	Material Safety Data Sheet	NO <sub>x</sub>	Oxides of Nitrogen
NA	Not Applicable	ng	Nanogram
NAAQS	National Ambient Air Quality Standards	PM	Particulate Matter
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM <sub>10</sub>	Particulate Matter equal to or less than 10 microns in diameter
NSPS	New Source Performance Standards	PM <sub>2.5</sub>	Particulate Matter equal to or less than 2.5 microns in diameter
NSR	New Source Review	pph	Pounds per hour
PS	Performance Specification	ppm	Parts per million
PSD	Prevention of Significant Deterioration	ppmv	Parts per million by volume
PTE	Permanent Total Enclosure	ppmw	Parts per million by weight
PTI	Permit to Install	psia	Pounds per square inch absolute
RACT	Reasonable Available Control Technology	psig	Pounds per square inch gauge
ROP	Renewable Operating Permit	scf	Standard cubic feet
SC	Special Condition	sec	Seconds
SCR	Selective Catalytic Reduction	SO <sub>2</sub>	Sulfur Dioxide
SNCR	Selective Non-Catalytic Reduction	TAC	Toxic Air Contaminant
SRN	State Registration Number	Temp	Temperature
TEQ	Toxicity Equivalence Quotient	THC	Total Hydrocarbons
USEPA/EPA	United States Environmental Protection Agency	tpy	Tons per year
VE	Visible Emissions	µg	Microgram
		µm	Micrometer or Micron
		VOC	Volatile Organic Compounds
		yr	Year

\*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
  - a. A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b. A visible emission limit specified by an applicable federal new source performance standard.
  - c. A visible emission limit specified as a condition of this Permit to Install.
  
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
  
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

**SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUETOC	One (1) ethylene oxide (EtO) sterilization chamber (C), manufactured by Vacu-dyne. The sterilization chamber vent is controlled by a Thermal Oxidizer*. The chamber exhaust vent is controlled by a dry bed scrubber**.	September 18, 1994	FGETOCHAMBERS
EUETOD	One (1) EtO sterilization chamber (D), manufactured by Vacu-dyne. The sterilization chamber vent is controlled by a Thermal Oxidizer*. The chamber exhaust vent is controlled by a dry bed scrubber**.	October 27, 1994	FGETOCHAMBERS
EUETOG	One (1) EtO sterilization chamber (G), manufactured by Vacu-dyne. The sterilization chamber vent is controlled by a Thermal Oxidizer*. The chamber exhaust vent is controlled by a dry bed scrubber**.	September 18, 1994	FGETOCHAMBERS
EUAERATION	An EtO aeration room and the associated product transfer corridor. The corridor is vented to the aeration room. The aeration room is controlled by a dry bed scrubber**.	February 12, 1995	NA
<p>* One common Thermal Oxidizer controls all sterilization chamber vents.                      ** One common dry bed scrubber controls all chamber exhaust vents and the aeration room exhaust.</p> <p>Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.</p>			

**The following conditions apply to: EUAERATION**

**DESCRIPTION:** An EtO aeration room and a product transfer corridor from the sterilizer chambers to the aeration room. The product transfer corridor is vented to the aeration room. The aeration room vent (ARV) is exhausted to and controlled by a dry bed scrubber.

**Flexible Group:** NA

**POLLUTION CONTROL EQUIPMENT:** Dry bed scrubber for the ARV.

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. EtO (CAS No. 75-21-8)	0.044 lb/hr <sup>1</sup>	Hourly	EUAERATION	V.1	R 336.1225
2. EtO (CAS No. 75-21-8)	263 lb/yr <sup>1</sup>	12-month rolling time period as determined at the end of each calendar month	EUAERATION	V.1	R 336.1225

**II. MATERIAL LIMITS**

NA

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not operate EUAERATION unless a malfunction abatement plan (MAP), as described in Rule 911(2), for operation of the dry bed scrubber and gas chromatograph (GC) has been submitted within 30 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1225, R 336.1702(b), R 336.1910, R 336.1911, 40 CFR 52.21 (c) and (d), 40 CFR 63.363(e) & (f), 40 CFR 63.365(g))**

#### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall not operate EUAERATION unless the dry bed scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation includes a maximum 24-hour average EtO outlet concentration of 1 ppm or a control efficiency of 99 percent. **(R 336.1225, R 336.1702(b), R 336.1910, 40 CFR 52.21(c) and (d), 40 CFR 63.362(d))**
2. The permittee shall not operate EUAERATION unless a device to measure and record the ethylene oxide concentration of the dry bed scrubber exhaust once per hour has been installed, maintained, operated, and maintained per the requirements in 40 CFR 63.364(e). **(40 CFR 63.364(e))**
3. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to continuously monitor the differential pressure area of the aeration room during operation. **(R 336.1225, R 336.1910, 40 CFR 63.365(g))**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Upon request from the AQD District Supervisor, the permittee shall verify EtO emission rates and control device efficiency from EUAERATION by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an EPA Method listed in 40 CFR 63 Subpart O. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.2001(1), R 336.2001(2), R 336.2001(4), R 336.2003, 40 CFR 63.365)**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall record the differential pressure of the aeration room associated with EUAERATION on a daily basis during operation as described in 40 CFR 63.365(g). **(R 336.1225, R 336.1910, 40 CFR 63.364(d), 40 CFR 63.365(g))**
2. The permittee shall measure and record the following for the dry bed scrubber exhaust from EUAERATION:
  - a. The EtO concentration in parts per million on an hourly basis.
  - b. The 24-hour average EtO concentration in parts per million on a daily basis.

The records shall be kept onsite and made available to the AQD District Supervisor upon request. **(40 CFR 63.364(e))**

#### **VII. REPORTING**

NA



**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV00002 (DRYSCRUBBER)	30	40	R 336.1225, 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENTS**

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63 Subparts A and O, as they apply to EUAERATION. **(40 CFR Part 63 Subparts A & O)**

**Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

**FLEXIBLE GROUP SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

<b>Flexible Group ID</b>	<b>Flexible Group Description</b>	<b>Associated Emission Unit IDs</b>
FGETOCHAMBERS	Three (3) Vacudyne EtO sterilization chambers (C, D, & G), each with a chamber volume of 666 ft <sup>3</sup> . The sterilization chamber vents (SCVs) of each sterilizer are controlled by a common thermal oxidizer. The chamber exhaust vents (CEVs) of each sterilizer are controlled by a common dry bed scrubber.	EUETOC, EUETOD, EUETOG

**The following conditions apply to: FGETOCHAMBERS**

**DESCRIPTION:** Three (3) Vacudyne EtO sterilization chambers (C, D, & G), each with a chamber volume of 666 ft<sup>3</sup>. The sterilization chamber vents (SCVs) of each sterilizer are controlled by a common thermal oxidizer. The chamber exhaust vents (CEVs) of each sterilizer are controlled by a common dry bed scrubber.

**Emission Units:** EUETOC, EUETOD, EUETOG

**POLLUTION CONTROL EQUIPMENT:** Thermal Oxidizer for the SCVs, Dry Bed Scrubber for the CEVs

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period/ Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. EtO (CAS No. 75-21-8)	0.009 lb/hr <sup>1</sup>	Hourly	SCV portions of FGETOCHAMBERS, combined	V.1	R 336.1225
2. EtO (CAS No. 75-21-8)	40.1 lb/yr <sup>1</sup>	12-month rolling time period as determined at the end of each calendar month	SCV portions of FGETOCHAMBERS, combined	V.1	R 336.1225
3. EtO (CAS No. 75-21-8)	0.008 lb/hr <sup>1</sup>	Hourly	CEV portions of FGETOCHAMBERS, combined	V.1	R 336.1225
4. EtO (CAS No. 75-21-8)	12 lb/yr <sup>1</sup>	12-month rolling time period as determined at the end of each calendar month	CEV portions of FGETOCHAMBERS, combined	V.1	R 336.1225

**II. MATERIAL LIMITS**

NA

### **III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not operate any portion of FGETOCHAMBERS unless a malfunction abatement plan (MAP), as described in Rule 911(2), for operation of the thermal oxidizer, the dry bed scrubber, and the gas chromatograph has been submitted within 30 days of permit issuance, and is implemented and maintained. The MAP shall, at a minimum, specify the following:
  - a. A complete preventative maintenance program including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.
  - b. An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.
  - c. A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.

If at any time the MAP fails to address or inadequately addresses an event that meets the characteristics of a malfunction, the permittee shall amend the MAP within 45 days after such an event occurs. The permittee shall also amend the MAP within 45 days, if new equipment is installed or upon request from the District Supervisor. The permittee shall submit the MAP and any amendments to the MAP to the AQD District Supervisor for review and approval. If the AQD does not notify the permittee within 90 days of submittal, the MAP or amended MAP shall be considered approved. Until an amended plan is approved, the permittee shall implement corrective procedures or operational changes to achieve compliance with all applicable emission limits. **(R 336.1225, R 336.1702(a) and (b), R 336.1910, R 336.1911, 40 CFR 52.21 (c) and (d), 40 CFR 63.363(e))**

### **IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall burn only natural gas in the thermal oxidizer portion of FGETOCHAMBERS. **(R 336.1224, R 336.1225)**
2. The permittee shall not operate any SCV portion of FGETOCHAMBERS unless the thermal oxidizer (TO) is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the TO includes a minimum VOC control efficiency of 99.9 percent (by weight), and maintaining a minimum temperature of 1185 °F or the operating temperature recorded during the latest stack test, and a minimum retention time of 0.5 seconds. **(R 336.1205, R 336.1224, R 336.1225, R 336.1702, R 336.1910, 40 CFR 63.363(b)(3))**
3. The permittee shall not operate any CEV portion of FGETOCHAMBERS unless the dry bed scrubber is installed, maintained, and operated in a satisfactory manner. Satisfactory operation of the dry bed scrubber includes a maximum 24-hour EtO outlet concentration of 1 ppm or an overall EtO control efficiency of 99 percent. **(R 336.1225, R 336.1702, R 336.1910, 40 CFR 52.21(c) and (d))**
4. The permittee shall operate a continuously burning pilot flame in the thermal oxidizer portion of FGETOCHAMBERS. In the event that the pilot flame is extinguished, the permittee shall immediately commence efforts to reignite the flame. If the flame is not reignited within 15 minutes, then all EtO sterilizer chamber vents feeding the TO shall be shut off. The permittee shall not restart operation of FGETOCHAMBERS unless the pilot flame is re-ignited and maintained. Pilot fuel shall be only sweet gas. **(R 336.1225, R 336.1702, R 336.1910)**
5. The permittee shall not operate FGETOCHAMBERS unless a device to measure and record the ethylene oxide concentration of the dry bed scrubber exhaust once per hour has been installed, maintained, operated, and maintained per the requirements in 40 CFR 63.364(e)). **(40 CFR 63.364(e))**

#### **V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Upon request from the AQD District Supervisor, the permittee shall verify EtO emission rates and control device efficiency from FGETOCHAMBERS by testing at owner's expense, in accordance with Department requirements. Testing shall be performed using an EPA Method listed in 40 CFR 63 Subpart O. An alternate method, or a modification to the approved EPA Method, may be specified in an AQD-approved Test Protocol. No less than 60 days prior to testing, the permittee shall submit a complete test plan to the AQD Technical Programs Unit and District Office. The AQD must approve the final plan prior to testing, including any modifications to the method in the test protocol that are proposed after initial submittal. The permittee must submit a complete report of the test results to the AQD Technical Programs Unit and District Office within 60 days following the last date of the test. **(R 336.2001(1), R 336.2001(2), R 336.2001(4), R 336.2003, 40 CFR 63.365)**

#### **VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall install, calibrate, maintain, and operate in a satisfactory manner a device to continuously monitor the temperature of the exhaust point of the thermal oxidizer associated with FGETOCHAMBERS during operation, as described in 40 CFR 63.364(c). **(R 336.1224, R 336.1225, R 336.1301, R 336.1910, 40 CFR 63.364(c))**
2. The permittee shall verify the accuracy of the temperature monitor in the thermal oxidizer portion of FGETOSTERILIZERS twice per calendar year as described in 40 CFR 63.364(c)(4). Verification records shall be kept onsite and made available to the AQD District Supervisor upon request. **(R 336.1201(3), R 336.1224, R 336.1225, 40 CFR 63.364(c)(4))**
3. The permittee shall install, calibrate, operate, and maintain a monitor consistent with the requirements of performance specification (PS) 8 or 9 in 40 CFR part 60, appendix B, to measure ethylene oxide. The daily calibration requirements of section 7.2 of PS-9 or Section 13.1 of PS-8 are required only on days when ethylene oxide emissions are vented to the control device. **(40 CFR 63.364(e))**
4. The permittee shall measure and record the following for the dry bed scrubber exhaust from FGETOCHAMBERS:
  - a. The EtO concentration in parts per million once per hour.
  - b. A 24-hour average EtO concentration in parts per million on a daily basis.

The records shall be kept onsite and made available to the AQD District Supervisor upon request. **(40 CFR 63.364(e))**

#### **VII. REPORTING**

NA

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SV00001 (THERMAL OXIDIZER)	40	40	R 336.1225, 40 CFR 52.21 (c) & (d)
2. SV00002 (DRY SCRUBBER)	30	40	R 336.1225, 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENTS**

1. The permittee shall comply with all provisions of the National Emission Standards for Hazardous Air Pollutants as specified in 40 CFR Part 63 Subparts A and O, as they apply to FGETOCHAMBERS. **(40 CFR Part 63 Subparts A & O)**

**Footnotes:**

<sup>1</sup>This condition is state only enforceable and was established pursuant to Rule 201(1)(b).