

GENERAL
AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Air Quality Division
811 SW Sixth Avenue
Portland, OR 97204-1390
Telephone: (503) 229-5359

This permit is issued on March 1, 2010 in accordance with the provisions of ORS 468A.040 and OAR 340-216-0060 for the following source category:

Hospital ethylene oxide sterilizers subject to 40 CFR part 63 subpart WWWW, as adopted under OAR 340-244-0220. NAICS 622110, 622310.

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1.0 PERMIT ASSIGNMENT

- 1.1. Qualifications** All of the following conditions must be met in order to qualify for assignment to this General Air Contaminant Discharge Permit (ACDP):
- a. The permittee is a hospital performing sterilization of medical equipment using ethylene oxide as listed on the cover page of this permit.
 - b. A Simple or Standard ACDP is not required for the source.
 - c. The source is not having ongoing, recurring or serious compliance problems.
- 1.2. Assignment** The Department will assign qualifying permittees to this permit that have and maintain a good record of compliance with the Department's Air Quality regulations and that the Department determines would be appropriately regulated by a General ACDP. The Department may rescind assignment of the permittee no longer meets the requirements of the permit.
- 1.3. Permitted Activities** This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, revoked or rescinded. If there are other emissions activities occurring at the site besides those listed on the cover page of this permit, the permittee may be required to obtain a Standard or Simple ACDP or a General ACDP Attachment, if applicable.
- 1.4. Relation to local land use laws** This permit is not valid in Lane County, or at any location where the operation of the permittee's processes, activities, and insignificant activities would be in violation of any local land use or zoning laws. For operation in Lane County, contact Lane Regional Air Protection Agency for any necessary permits at (541) 736-1056. It is the permittee's sole responsibility to obtain local land use approvals as, or where, applicable before operating this facility at any location.

2.0 GENERAL EMISSION STANDARDS AND LIMITS

- 2.1. Visible Emissions** The permittee must comply with the following visible emission limits, as applicable:
- a. In Clackamas, Columbia, Multnomah, or Washington Counties, emissions from any air contaminant source must

not equal or exceed 20% opacity for a period aggregating more than 30 seconds in any one hour.

- b. In all other areas of the state, emissions from any air contaminant source must not equal or exceed 20% opacity for a period aggregating more than 3 minutes in any one hour.

- 2.2. **Fugitive Emissions** The permittee must take reasonable precautions to prevent fugitive dust emissions, such as but not limited to:
 - a. Treating vehicular traffic areas of the plant site under the control of the permittee.
 - b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.
 - c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.
- 2.3. **Particulate Matter Fallout** The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.
- 2.4. **Nuisance and Odors** The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

3.0 SPECIFIC PERFORMANCE AND EMISSION STANDARDS

- 3.1. **Ethylene Oxide Sterilizers** The permittee must sterilize full load of items having a common aeration time, except under medically necessary circumstances. Medically necessary means circumstances that a central services staff, a hospital administrator, or a physician concludes, based on generally accepted medical practices, necessitate sterilizing without a full load in order to protect human health.

4.0 COMPLIANCE DEMONSTRATION

- 4.1. **Initial Compliance Demonstration** The permittee must demonstrate initial compliance upon startup of the sterilization unit or June 27, 2009, whichever is later, as follows:

- a. Demonstrate compliance with the management practice standard in Condition 3.1 by submitting an Initial Notification of Compliance Status (see Condition 6.1) certifying that the permittee is sterilizing full loads of items having a common aeration time, except under medically necessary circumstances.
- b. If operating a sterilization unit(s) with an air pollution control device, the permittee may demonstrate compliance with Condition 3.1 by submitting an Initial Notification of Compliance Status (see Condition 6.1) certifying that ethylene oxide emissions from each sterilization unit is being vented to an add-on air pollution control device. The permittee must also certify that the air pollution control device is operating in accordance with the manufacturer's recommended procedures.

4.2. Continuous Compliance Demonstration

For each sterilization unit not equipped with an air pollution control device, the permittee must demonstrate continuous compliance with the management practice standard in Condition 3.1 by recording the information in Condition 5.1.

5.0 RECORDKEEPING REQUIREMENTS

5.1. Operation and Maintenance

The permittee must keep the following records:

- a. A copy of the Initial Notification of Compliance Status that was submitted to comply with Conditions 4.1 and 6.1.
- b. For each sterilization unit not equipped with an air pollution control device:
 - i. Daily record of the date and time of each sterilization cycle.
 - ii. For each sterilization cycle, document that the cycle contained a full load of items.
 - iii. For each sterilization cycle that does not include a full load of items; record the following:

- (a) Date and time;
- (b) A statement from a hospital central services staff, a hospital administrator, or a physician why it was medically necessary to conduct a sterilization cycle without a full load of items.

- 5.2. Complaint Log** The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.
- 5.3. Retention of Records** Unless otherwise specified, all records must be maintained for a period of 5 years. The permittee must hold the records on site for a period of two (2) years and make them available to the Department upon request.

6.0 REPORTING REQUIREMENTS

- 6.1. Initial Notification of Compliance Status** The permittee must submit an Initial Notification of Compliance Status upon assignment to this permit. A form for this purpose is available from DEQ. The notification must be sent to the appropriate DEQ office, as listed in Condition 7.2. In addition, you must submit a copy to EPA's Office of Air Quality Planning and Standards via e-mail to ccg-ong@epa.gov or via U.S. mail or other mail delivery service to U.S. EPA, Sector Policies and Programs Division, Coatings and Chemicals Group (E143-01), Attn: Hospital Sterilizers Project Leader, Research Triangle Park, NC 27711.
- 6.2. Annual Report** The permittee must submit an annual report by February 15 of each year that includes the following information:
- a. The number of sterilization cycles conducted during the previous calendar year.
 - b. The number of sterilization cycle conducted during the previous calendar year that did not include a full load.
 - c. Reasons listed in the previous calendar year for not conducting full loads.
- 6.3. Notice of Change of Ownership or Company Name** The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

- 6.4. Construction or Modification Notices**

 - a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
 - b. Sale or exchange of the activity or facility.

The permittee must notify the Department in writing using a Departmental “Notice of Construction Form,” or “Permit Application Form,” and obtain approval before:

 - a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
 - b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
 - c. Constructing or modifying any air pollution control equipment.
- 6.5. Where to Send Reports and Notices**

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.2.

7.0 ADMINISTRATIVE REQUIREMENTS

- 7.1. Permit Renewal Application**

A complete application for reassignment to this permit is due within 60 days after the permit is reissued. The Department will notify the permittee when the permit is reissued. The application must be sent to the appropriate regional office.

 - a. The permittee may submit an application for either a Simple or Standard ACDP at any time, but the permittee must continue to comply with the General ACDP until DEQ takes final action on the application.
 - b. If a complete application for reassignment to the General permit, or application made for a Simple or Standard permit in a timely manner, the permit will not be deemed to expire until final action has been taken on the application.
- 7.2. Permit Coordinator Addresses**

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

Counties	Permit Coordinator Address and Telephone
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5582
Benton, Coos, Curry, Douglas, Jackson, Josephine, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Western Region 750 Front Street NE, Suite 120 Salem, OR 97301-1039 Telephone: (503) 378-5305
Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, Wheeler	Department of Environmental Quality Eastern Region 475 NE Bellevue, Suite 110 Bend, OR 97701 Telephone: (541) 388-6146 ext. 223

7.3. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at <http://www.oregon.gov/DEQ/>. All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Counties	Office Address and Telephone
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Portland Office 2020 SW 4th Avenue, Suite 400 Portland, OR 97201-4987 Telephone: (503) 229-5554
Benton, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Salem Office 750 Front Street NE, Suite 120 Salem, OR 97301-1039 Telephone: (503) 378-8240
Coos and Curry	Department of Environmental Quality Coos Bay Office 381 N Second Street Coos Bay, OR 97420-2270 Telephone: (541) 269-2721

Counties	Office Address and Telephone
Douglas, Jackson, and Josephine	Department of Environmental Quality Medford Office 221 W Stewart Avenue, Suite 201 Medford, OR 97501-3647 Telephone: (541) 776-6010
Crook, Deschutes, Harney, Hood River, Jefferson, Klamath, Lake, Sherman, Wasco, and Wheeler	Department of Environmental Quality Bend Office 475 NE Bellevue, Suite 110 Bend, OR 97701 Telephone: (541) 388-6146
Baker, Gilliam, Grant, Malheur, Morrow, Umatilla, Union, and Wallowa	Department of Environmental Quality Pendleton Office 700 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801-2597 Telephone: (541) 276-4063

8.0 FEES

- 8.1. Annual Compliance Fee** The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a General ACDP, Fee Class Four, is due on December 1 of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
- 8.2. Change of Ownership or Company Name Fee** The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
- 8.3. Special Activity Fees** The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
- 8.4. Where to Submit Fees** Fees must be submitted to:
 Department of Environmental Quality
 Business Office
 811 SW Sixth Avenue
 Portland, Oregon 97204-1390

9.0 GENERAL CONDITIONS AND DISCLAIMERS

- 9.1. Other Regulations** In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.

- 9.2. Conflicting Conditions** In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
- 9.3. Masking of Emissions** The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
- 9.4. Department Access** The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
- 9.5. Permit Availability** The permittee must have a copy of the permit available at the facility at all times.
- 9.6. Open Burning** The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
- 9.7. Asbestos** The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
- 9.8. Property Rights** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
- 9.9. Termination, Revocation, or Modification** The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

10.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	EPA	US Environmental Protection Agency
calendar year	The 12-month period beginning January 1st and ending December 31st	OAR	Oregon Administrative Rules
CFR	Code of Federal Regulations	ORS	Oregon Revised Statutes
DEQ	Oregon Department of Environmental Quality	year	A period consisting of any 12-consecutive calendar months

gce: 12/21/09

AQGP-020, hospital sterilizers