

LANE REGIONAL AIR PROTECTION AGENCY

1010 Main Street, Springfield, Oregon 97477

Telephone: (541) 736-1056

Toll Free: (877) 285-7272

Fax: (541) 726-1205

Web Page: www.lrapa.org

STANDARD
AIR CONTAMINANT DISCHARGE PERMIT

Issued in accordance with provisions of Title 34, Lane Regional Air Protection Agency's Rules and Regulations, and based on the land use compatibility findings included in the permit record.

Issued To:

**Sacred Heart Medical Center
at Riverbend**
3333 Riverbend Drive
Springfield, Oregon 97477

Land Use Compatibility Statement:

From: City of Springfield
Dated: April 15, 2008

Mailing Address:

P.O. Box 10905
Eugene, OR 97401

Fee Basis:

Title 37, Table 1: Part B: 12

Boilers and other Fuel Burning Equipment
over 10 MMBTU/hr. heat input, except
exclusively Natural Gas and Propane fired
units (with or without #2 diesel backup)
under 30 MMBTU /hr. heat input

Title 37, Table 1: Part C: 5

Potential to Emit more than 100 tons of any
regulated air contaminant in a year

Permit Number: 207536

Permit Type: Standard

SIC: 4961 Fuel Burning Equipment

Date Renewed: September 3, 2008

Expiration Date: September 2, 2013

Permitted Sources:

3 Generators (2000kW)

3 Boilers (natural gas-fired w\ #2 oil backup)

1 Ethylene Oxide Sterilizer

Issued By:



Merlyn L. Hough, Director

Effective Date:

May 12, 2009

ADDENDUM NO. 1
Administrative Amendment

In accordance with Section 37-0084 Air Contaminant Discharge Permit No. 207536 is hereby amended to change the permit type and fee basis on the cover page in accordance with Title 37 of LRAPA's Rules and Regulations.

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SYNTHETIC MINOR AIR CONTAMINANT DISCHARGE PERMIT
(SM-ACDP)

Issued in accordance with provisions of Title 34, Lane Regional Air Protection Agency's Rules and Regulations, and based on the land use compatibility findings included in the permit record.

Issued To:

Sacred Heart Medical Center at Riverbend
3333 Riverbend Drive
Springfield, Oregon 97478

Land Use Compatibility Statement:

From: City of Springfield
Dated: April 15, 2008

Mailing Address:

Same as above

Fee Basis:

Fuel Burning Equipment
Table A, Part II, 58b

Permit Number: 207536

Permit Type: Synthetic Minor

SIC: 4961-Fuel Burning Equipment

Date Issued: September 3, 2008

Expiration Date: September 2, 2013

Permitted Sources:

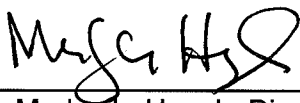
3 Generators (2000 kW)

3 Boilers (natural gas-fired w/ No.2 oil backup)

1 Ethylene Oxide Sterilizer

Issued

By: _____



Merlyn L. Hough, Director

Effective

Date: September 3, 2008

Permitted Activities

1. Until this permit expires or is revoked, the permittee is herewith allowed to discharge air contaminants only in accordance with the permit application and the requirements, limitations, and conditions contained in this permit. This specific listing of requirements, limitations, and conditions does not relieve the permittee from complying with all other rules of Lane Regional Air Protection Agency (LRAPA).

Emission Unit Description

2. Emission units regulated by this permit include the following:

Emission Unit	Design Rating	Fuel Type
3 Emergency Generators	18.8 MM BTU/hr (2000 kW) each	No. 2 Diesel
1 Mohican Boiler	12.6 MM BTU/hr (300 Hp)	Natural Gas with No.2 Diesel Backup
2 Mohican Boilers	33.6 MM BTU/hr (800 Hp) each	Natural Gas with No. 2 Diesel Backup
1 Donaldson EtO-Abator System	50 SCFM, 0.017 lb EtO/min	Ethylene Oxide (EtO)

Emission Limits and Standards

3. The annual (12-month rolling) plant site emission limits from this facility are:

Source	PM	PM10	NOx	SO ₂	CO	VOC
Facility	24	14	39	39	99	39

4. The permittee shall estimate 12-month rolling emissions by calculating a new 12-month rolling total by the 15th of each month according to the following equation:

$$E = \text{Throughput} \times \text{EF} \times \text{conversion factor}$$

Where: E= emissions (tons/year)

Throughput = natural gas combusted (MM BTU), No.2 diesel combusted (gallons), or EtO used (lbs)

EF= emission factors specified in the detail sheets (attached to review report)

Conversion factor =1 ton/2000 lb

General Emission Limitations

5. The permittee shall not cause, suffer, allow, or permit the emission of any air contaminant, excluding uncombined water, into the atmosphere from any air contaminant source for a period or periods aggregating more than three (3) minutes in any one (1) hour which is equal to or greater than 20 percent opacity. [LRAPA 32-010-1.B. & 3.]

6. Particulate emissions shall not exceed 0.1 grain per standard dry cubic foot (dscf) from any air contaminant source. [LRAPA 32-015-2]
7. Particulate matter emissions from each of the boilers shall not exceed 0.1 grain per cubic foot of exhaust gas, adjusted to 50 percent excess air or calculated to 12 percent carbon dioxide. [LRAPA 32-030]

National Emission Standards for Hazardous Air Pollutants (NEHSAP) Requirements and New Source Performance Standards (NSPS)

Ethylene Oxide Sterilizers for Hospitals NESHAP - Subpart WWWW and New Source Performance Standard (NSPS) – Subpart IIII

9. The permittee shall sterilize full load of items having a common aeration time, except under medically necessary circumstances, as that term is defined in 40 CFR 63.10448. [40 CFR 63.10390]
10. Within 180 calendar days of startup of the EtO sterilizer, the permittee shall submit an Initial Notification of Compliance Status certifying that the permittee is sterilizing full loads of items having a common aeration time except under medically necessary circumstances as that term is defined in 40 CFR 63.10448. The permittee shall also include the information required by 63.10430 in the Initial Notification of Compliance Status. [40 CFR 63.10400, 63.10402, and 63.10430]
11. The permittee shall keep a copy of the Initial Notification of Compliance Status submitted under Condition 10 for a period of 5 years following the date of each record. The permittee shall keep each record onsite for at least 2 years after the date of each record. The permittee may keep the records offsite for the remaining 3 years. [40 CFR 63.10432 and 63.10434]

Reciprocating Internal Combustion Engine (ICE) NESHAP- Subpart ZZZZ and New Source Performance Standard (NSPS) – Subpart IIII

12. The engines are an existing affected source under Subpart ZZZZ but do not have to meet the requirements of Subpart ZZZZ and Subpart A of Part 63 and no initial notification is necessary. [40 CFR 63.6590(a)(1)(iii) and 40 CFR 63.6590(b)(3)]
13. The emergency generators shall comply with the standards in Table 1 of Subpart IIII. [40 CFR 60.4205(a)]
 - a. The permittee shall operate and maintain each stationary compression ignition (CI) internal combustion engine according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer. In addition, the permittee may only change those settings that are permitted by the manufacturer. [40 CFR 60.4211(a)]
 - b. The permittee has demonstrated compliance with Condition 13 by purchasing an engine certified according to 40 CFR Part 89. [40 CFR 60.4211(b)(1)]
14. The permittee shall install a non-resettable hour meter prior to startup of each emergency generator. [40 CFR 60.4243(d)]
15. Each emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local

government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. Any operation other than emergency operation, and maintenance and testing as permitted in this Condition, is prohibited. [40 CFR 60.4211(e)]

New Source Performance Standard (NSPS) Subpart Dc – Steam Generating Units

16. The permittee shall comply with the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units at 40 CFR Part 60 Subpart Dc (§§ 60.40c & 60.48c), which applies to the three (3) Mohican boilers. The requirements of this rule include, but may not be limited to, record keeping of fuel usage and semi-annual reporting in accordance with §60.48c. [LRAPA 46-554]

Monitoring and Record-keeping Requirements

17. Upset conditions or breakdown of equipment or air pollution control equipment which may result in exceeding the emission limitations specified in this permit must be reported to LRAPA as soon as possible in accordance with Condition G12.
18. A record of the following data shall be maintained for a period of two (2) years at the plant site and shall be available for inspection by authorized representatives of LRAPA: [LRAPA 34-070(5)]
 - a. 12-month rolling total of natural gas combusted (recorded monthly).
 - b. 12-month rolling total of No. 2 diesel combusted (recorded monthly).
 - c. 12-month rolling total of EtO used (recorded monthly).
 - d. 12-month rolling of hours of maintenance and readiness checking operation of each generator (recorded monthly).
 - e. A description of any maintenance to emission units and air contaminant control systems (recorded on occurrence).

Notification and Reporting Requirements

19. By February 15th of each year, the permittee shall submit the information required by Condition 4.
20. Unless otherwise specified, notifications required by this permit shall be reported to the following office:

Lane Regional Air Protection Agency
1010 Main Street
Springfield, Oregon 97477
(541) 736-1056

Sacred Heart Medical Center at Riverbend
Permit No. 207536
Expiration Date: September 2, 2013

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Fee Schedule

21. In accordance with adopted regulations, the permittee will be invoiced once every year for the Compliance Determination Fee. [LRAPA 34-150]

Max/cmw
09/03/08

GENERAL PERMIT CONDITIONS

General Conditions and Disclaimers

- G1. A copy of the permit application and this Air Contaminant Discharge Permit (ACDP) must be available on site for inspection upon request.
- G2. The permittee shall allow the Director or his/her authorized representatives access to the plant site and pertinent records at all reasonable times for the purpose of making inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant discharge records and otherwise conducting necessary functions related to this permit in accordance with ORS 468.095. [LRAPA 13-020(1)(h)]
- G3. 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.

Performance Standards and Emission Limits

- G4. The permittee shall not cause or permit the emissions of any particulate matter which is greater than 250 microns in size if such particulate matter does or will deposit upon the real property of another person. [LRAPA 32-055]
- G5. The permittee shall not discharge from any source whatsoever such quantities of air contamination which cause injury, detriment, public nuisance or annoyance to any persons or to the public or which cause injury or damage to business or property; such determination to be made by LRAPA. [LRAPA 32-090(1)]
- G6. The permittee shall not cause or permit emission of water vapor if the water vapor causes or tends to cause detriment to the health, safety or welfare of any person or causes, or tends to cause damage to property or business. [LRAPA 32-090(2)]
- G7. The permittee shall not willfully cause or permit the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminants emitted, conceals emissions of air contaminants which would otherwise violate LRAPA rules. [LRAPA 33-030(1)]
- G8. The permittee shall not cause or permit the installation or use of any device or use of any means designed to mask the emissions of an air contaminant which causes or tends to cause detriment to health, safety or welfare of any person. [LRAPA 33-030(2)]
- G9. The permittee shall not allow any materials to be handled, transported, or stored; or a building, its appurtenances or road(s) to be used, constructed, altered, repaired, or demolished; or any equipment to be operated, without taking reasonable precautions to prevent particulate matter from being airborne. [LRAPA 48-015(2)]
- G10. The permittee shall not cause or permit the emissions of odorous matter in such a manner as to cause a public nuisance. [LRAPA 49-010(1)]

Excess Emissions: General Policy

- G11. Emissions of air contaminants in excess of applicable standards or permit conditions are considered unauthorized and are subject to enforcement action, pursuant to LRAPA 36-010 and

36-030. These rules apply to any permittee operating a source which emits air contaminants in violation of any applicable air quality rule or permit condition resulting from the breakdown of air pollution control equipment or operating equipment, process upset, startup, shutdown, or scheduled maintenance. [LRAPA 32-001(1)]

Excess Emissions: Notification and Record-keeping

- G12. The permittee must immediately (i.e., as soon as possible, but in no case more than one (1) hour after the beginning of the excess emissions period) notify LRAPA by telephone or in person of all cases of excess emissions due to upset or breakdown. [LRAPA 36-020(1)] Notification shall include:
- a. source name;
 - b. nature of the emissions problem;
 - c. name of the person making the report;
 - d. name and telephone number of the contact person for further information;
 - e. date and time of the onset of the upset condition;
 - f. whether or not the incident was planned;
 - g. equipment involved in the upset or breakdown;
 - h. estimated type and quantity of excess emissions;
 - i. estimated time of return to normal operations;
 - j. efforts made to minimize emissions; and
 - k. description of remedial actions to be taken.

Notification shall be made to the LRAPA office. The current LRAPA telephone number during regular business hours (8 a.m. - 5 p.m., M-F) is (541) 736-1056. During nonbusiness hours, weekends, or holidays, the permittee shall immediately notify LRAPA by calling the LRAPA Upset/Complaint Line. The current number is (541) 726-1930.

Follow-up reporting, if required by LRAPA, shall contain all information required by Condition G15.

- G13. At each reporting period specified in this permit, or sooner if required by LRAPA, the permittee shall submit a copy of the upset log entries for the reporting period, as required by Condition G15. [LRAPA 36-025(4)]
- G14. Any excess emissions which could endanger public health or safety shall immediately be reported to the Oregon Emergency Response System (OERS) at 1-800-452-0311.
- G15. The permittee shall keep an upset log of all planned and unplanned excess emissions. [LRAPA 36-025(3) and 36-030(1)] The upset log shall include the following:
- a. date and time each event was reported to LRAPA;
 - b. whether the process handling equipment and the air pollution control equipment were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;

- c. whether repairs or corrections were made in an expeditious manner when the permittee knew or should have known that emission limits were being or were likely to be exceeded;
- d. whether the event was one in a recurring pattern of incidents which indicate inadequate design, operation, or maintenance; and
- e. final resolution of the cause of the excess emissions.

Upset logs shall be kept by the permittee for two (2) calendar years.
[LRAPA 36-025(4)]

Excess Emissions: Scheduled Maintenance

- G16. Where it is anticipated that shutdown, by-pass, or operation at reduced efficiency of production equipment or air pollution control equipment for necessary scheduled maintenance may result in excess emissions, the permittee must obtain prior LRAPA approval of procedures that will be used to minimize excess emissions. Application for approval of procedures associated with the scheduled maintenance shall be submitted and received by LRAPA in writing at least seventy-two (72) hours prior to the event. [LRAPA 36-015(1)] The application shall include the following:
- a. reasons explaining the need for maintenance, including why it would be impractical to shut down the source operation during the period, and why the by-pass or reduced efficiency could not be avoided through better scheduling for maintenance or through better operation and maintenance practices;
 - b. identification of the specific production or emission control equipment or system to be maintained;
 - c. nature of the air contaminants likely to be emitted during the maintenance period, and the estimated amount and duration of the excess emissions, including measures such as the use of overtime labor and contract services and equipment that will be taken to minimize the length of the maintenance period; and
 - d. identification of specific procedures to be followed which will minimize excess emissions.
- G17. No scheduled maintenance which is likely to result in excess emissions shall occur during any period in which an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency has been declared, or during an announced "Stage I Red" woodstove advisory period, in areas determined by LRAPA as PM₁₀ Nonattainment Areas. [LRAPA 36-015(4)]
- G18. In cases where LRAPA has not received notification of scheduled maintenance that is likely to cause excess emissions within the required seventy-two (72) hours prior to the event, or where such approval has not been waived pursuant to LRAPA 36-025(2), the permittee shall immediately notify LRAPA by telephone of the situation, and shall be subject to the requirements of Conditions G12 and G13. [LRAPA 36-015(5)]

Air Pollution Emergencies

- G19. The permittee shall, upon declaration of an air pollution episode, take all actions specified in Tables 1, 2, and 3 of LRAPA's Title 51 (see Attachment A) and shall particularly put into effect the LRAPA-approved preplanned abatement strategy for such condition, if applicable. [LRAPA 51-015]

Notification of Construction/Modification

- G20. The permittee shall notify LRAPA in writing and obtain approval in accordance with LRAPA 34-035 before:
- a) a. constructing or installing any new source of air contaminant emissions, including air pollution control equipment; or
 - b) b. modifying or altering an existing source that may significantly affect the emissions of air contaminants, or
 - c) c. making any physical change which increases emissions; or
 - d) d. changing the method of operation, the process, or the fuel use, or increasing the normal hours of operation to levels above those contained in the permit application and reflected in this permit and which result in increased emissions.

Notification of Name Change

- G21. The permittee shall notify LRAPA in writing, using an LRAPA Application for Administrative Amendment to ACDP form, within 60 days after legal change of the registered name of the company with the Corporation Division of the State of Oregon.

Applicable administrative fees must be submitted with an application for the name change.

Permit Renewal

- G22. Application for renewal of this permit must be submitted not less than 60 days prior to the permit expiration date. A Filing Fee, an Application Processing Fee, and an Annual Compliance Determination Fee must be submitted with the application for the permit renewal. [LRAPA 34-035]
- G23. The procedure for issuance of a permit shall apply to renewal of a permit. If a completed application for a renewal of a permit is filed with LRAPA in a timely manner, prior to the expiration date of the permit, the permit shall not be deemed to expire until final action has been taken on the renewal application to issue or deny a permit. [LRAPA 34-130(16)]

Termination Conditions

- G24. This permit shall be automatically terminated: [LRAPA 34-140(2)]
- e) a. within sixty (60) days after sale or exchange of the activity or facility which requires a permit;
 - f) b. upon change of nature of the activities, operations, emissions, or discharges from those of record in the last application;
 - c. within one (1) year after a plant closure lasting continuously for one (1) or more years;
 - g) d. upon issuance of a new, renewal, or modified permit for the same operation; or
 - e. upon written request of the permittee.

- G25. In the event that it becomes necessary to suspend or terminate this permit due to non-compliance with the terms of the permit, unapproved changes in operation, false information submitted in the application or any other cause, LRAPA shall notify the permittee by registered or certified mail of its intent to suspend or revoke the permit. Such notification shall include the reasons for the suspension or revocation. The suspension or revocation shall become effective twenty (20) days from the date of mailing of such notices unless, within that time, the permittee requests a hearing. Such a request for hearing shall be made in writing and shall state the grounds for such a request. [LRAPA 34-140(3)]
- G26. Termination of this permit resulting from continuous plant closure shall subject the source to review as a new non-permitted source upon application to operate the facility. [LRAPA 34-140(4)]
- G27. If LRAPA finds that there is a serious danger to the public health or safety or that irreparable damage to a resource will occur, it may suspend or terminate this permit, effective immediately. Notice of such suspension or termination must state the reasons for such action and advise that the permittee may request a hearing. Such a request for a hearing shall be made in writing within ninety (90) days of the date of the suspension and shall state the grounds for the request. [LRAPA 34-140 (5)]
- G28. Any hearing requested shall be conducted pursuant to the rules of LRAPA. [LRAPA 34-140(6)]
- G29. The permittee may be required to submit, by April 20 of each year, the emission inventory form provided by LRAPA.

DW/bp [revised 10/24/01, 4/18/06, 10/10/07]

Table II

AIR POLLUTION EPISODE: *WARNING CONDITIONS*

EMISSION REDUCTION PLAN

Part A: Pollution Episode Conditions for Carbon Monoxide or Ozone

For ***Warning Conditions***, resulting from excessive levels of carbon monoxide or ozone, the following measures shall be taken:

1. Operation of motor vehicles carrying fewer than three (3) persons shall be prohibited within designated areas during specified hours. Exceptions from this provision are:
 - A. Public transportation and emergency vehicles
 - B. Commercial vehicles
 - C. Through traffic remaining on Interstate or primary highways.
2. At the discretion of the Agency, operations of all private vehicles within designated areas or entry of vehicles into designated areas may be prohibited for specified periods of time.
3. Public transportation operators shall, in accordance with a pre-planned strategy, provide the maximum possible additional service to minimize the public's inconvenience as a result of No. 1 or No. 2. above.
4. For ozone episodes the following additional measures shall be taken:
 - A. No bulk transfer of gasoline without vapor recovery from 2:00 a.m. to 2:00 p.m.
 - B. No service station pumping of gasoline from 2:00 a.m. to 2:00 p.m.
 - C. No operation of paper coating plants from 2:00 a.m. to 2:00 p.m.
 - D. No architectural painting or auto finishing;
 - E. No venting of dry cleaning solvents from 2:00 a.m. to 2:00 p.m. (except perchloroethylene).
5. Where appropriate for carbon monoxide episodes during the heating season, and where legal authority exists, governmental agencies shall prohibit all use of wood stoves and fireplaces for domestic space heating, except where such devices provide the sole source of heat.

Part B: Pollution Episode Conditions for Particulate Matter

For ***Warning Conditions*** resulting from excessive levels of particulate matter, the following measures shall be taken:

1. There shall be no open burning by any person of any material.
2. The use of incinerators for the disposal of solid or liquid wastes shall be prohibited.
3. Persons operating fuel-burning equipment which requires boiler lancing or soot blowing shall perform such operations only between the hours of 12 noon and 4 p.m.
4. Where legal authority exists, governmental agencies shall prohibit all use of wood stoves and fireplaces for domestic space heating, except where such devices provide the sole source of heat.

5. Persons responsible for the operation of any source of air contaminants listed below shall take all required actions for the **Warning Level**, in accordance with a preplanned strategy:

Source of Contamination	Control Actions — Warning Level
<p>A. Coal, oil, or wood-fired electric power generating facilities.</p>	<ol style="list-style-type: none"> 1) Maximum utilization of fuels having lowest ash and sulfur content. 2) Utilization of mid-day (12:00 noon to 4:00 p.m.) atmospheric turbulence for boiler lancing and soot blowing. 3) Diverting electric power generation to facilities outside of Warning Area. 4) Prepare to use a plan of action if an Emergency Condition develops. 5) Cease operation of facilities not related to safety or protection of equipment or delivery of priority power.
<p>B. Coal, oil, or wood-fired process steam generating facilities.</p>	<ol style="list-style-type: none"> 1) Maximum utilization of fuels having the lowest ash and sulfur content. 2) Utilization of mid-day (12: 00 noon to 4:00 p.m.) atmospheric turbulence for boiler lancing and soot blowing. 3) Prepare to use a plan of action if an Emergency Condition develops. 4) Cease operation of facilities not related to safety or protection of equipment or delivery of priority power.
<p>C. Manufacturing industries which require considerable lead time for shut-down including the following classifications:</p> <ul style="list-style-type: none"> - Petroleum Refining - Chemical Industries - Primary Metals Industries - Glass Industries - Paper and Allied Products 	<ol style="list-style-type: none"> 1) Reduction of air contaminants from manufacturing operations by, if necessary, assuming reasonable economic hardships by postponing production and allied operations. 2) Reduction by deferring trade waste disposal operations which emit solid particles, gases, vapors or malodorous substances. 3) Maximum reduction of heat load demands for processing. 4) Utilization of mid-day (12:00 noon to 4:00 p.m.) atmospheric turbulence of boiler lancing or soot blowing.

Source of Contamination	Control Actions — <i>Warning Level</i>
D. Manufacturing industries which require relatively short time for shut-down.	<ol style="list-style-type: none">1) Elimination of air contaminants from manufacturing operations by ceasing, allied operations to the extent possible without causing injury to persons or damage to equipment.2) Elimination of air contaminants from trade waste disposal processes which emit solid particles, gases, vapors, or malodorous substances.3) Reduction of heat load demands for processing.4) Utilization of mid-day (12 noon to 4 p.m.) atmospheric turbulence for boiler lancing or soot blowing.

Table III

AIR POLLUTION EPISODE: **EMERGENCY CONDITIONS**
EMISSION REDUCTION PLAN

1. There shall be no open burning by any person of any material.
2. The use of incinerators for the disposal of solid or liquid wastes shall be prohibited.
3. All places of employment, commerce, trade, public gatherings, government, industry, business, or manufacture shall immediately cease operation, except the following:
 - A. Police, fire, medical and other emergency services;
 - B. Utility and communication services;
 - C. Governmental functions necessary for civil control and safety;
 - D. Operations necessary to prevent injury to persons or serious damage to equipment or property;
 - E. Food stores, drug stores and operations necessary for their supply;
 - F. Operations necessary for evacuation of persons leaving the area;
 - G. Operations conducted in accordance with an approved preplanned emission reduction plan on file with the Agency.
4. All commercial and manufacturing establishments not included in these rules shall institute such actions as will result in maximum reduction of air contaminants from their operations which emit air contaminants, to the extent possible without causing injury or damage to equipment.
5. The use of motor vehicles is prohibited except for the exempted functions in 3, above.
6. Airports shall be closed to all except emergency air traffic.
7. Where legal authority exists, governmental agencies shall prohibit all use of wood stoves and fireplaces.
8. Any person responsible for the operation of a source of atmospheric contamination listed below shall take all required control actions for this **Emergency Level**.

Source of Contamination	Control Actions — Emergency Level
A. Coal, oil, or wood-fired electric power generating facilities.	1) Maximum utilization of fuels having lowest ash and sulfur content.
	2) Utilization of mid-day (12:00 noon to 4:00 p.m.) atmospheric turbulence for boiler lancing or soot blowing.

Source of Contamination	Control Actions — <i>Emergency Level</i>
	<ol style="list-style-type: none"> 3) Diverting electric power generation to facilities outside of Emergency area. 4) Cease operation of facilities not related to safety or protection of equipment or delivery of priority power.
<p>B. Coal, oil, or wood-fired steam generating facilities.</p>	<ol style="list-style-type: none"> 1) Reducing heat and steam process demands to absolute necessities consistent with preventing equipment damage. 2) Utilization of mid-day (12:00 noon to 4:00 p.m.) atmospheric turbulence for boiler lancing and soot blowing. 3) Taking the action called for in the emergency plan. 4) Cease operation of facilities not related to safety or protection of equipment or delivery of priority power.
<p>C. Manufacturing industries of the following classifications:</p> <ul style="list-style-type: none"> - Primary Metals Industry - Petroleum Refining Operations - Chemical Industries - Mineral Processing Industries - Paper and Allied Products - Grain Industry - Wood Processing Industry 	<ol style="list-style-type: none"> 1) The elimination of air of contaminants from manufacturing operations by ceasing, curtailing, postponing or deferring production and allied operations to the extent possible without causing injury to persons or damage to equipment. 2) Elimination of air contaminants from trade waste disposal processes which emit solid particles, gases, vapors, or malodorous substances. 3) Maximum reduction of heat load demands for processing. 4) Utilization of mid-day (12:00 noon to 4:00 p.m.) atmospheric turbulence for boiler lancing or soot blowing.