



Regulatory Order

Issued in accordance with:
RCW 70A.15.2040, RCW 70A.15.2300,
WAC 173-400-091, and SRCAA
Regulation I, Sections 2.01, 2.02, and 2.05

1610 S. Technology Blvd., Suite 101, Spokane, WA 99224 (509) 477-4727

ORDER NO: 95-21
ISSUANCE DATE: DECEMBER 7, 1995
REVISION DATES: SEPTEMBER 1, 1999 (Revised to correct equation in Condition B)
JUNE 10, 2020 (Revised to allow annual recordkeeping for fuel usage)
DRAFT (Revised to modify equation 1 in Condition B for natural gas usage in units of therms)

FACILITY LOCATION: Providence Sacred Heart Medical Center
101 W 8TH Ave
Spokane, WA 99204

MAILING ADDRESS: P.O. Box 2555
Spokane, WA 99220-2555

FACILITY DESCRIPTION: Hospital and Medical Center

FACILITY CONTACT: Michael Nafzgar
(509) 474-3290

PREPARED BY: _____
Joe Southwell

REVIEWED BY: _____
April L. Westby, PE

APPROVED BY: _____
Scott Windsor, Executive Director

BACKGROUND

Providence Sacred Heart Medical Center (Sacred Heart) operates a hospital/medical center, located at 101 West 8th Avenue, Spokane, WA. The medical center facility is comprised of several buildings, including the main building, East wing, West Tower (aka, Doctor's Building), West Wing (aka, Women Services & Surgery Center), Heart Institute, and Parking Garage. The facility is a major source as defined in Chapter 173-401 WAC because of its annual potential to emit oxides of nitrogen (NO_x), sulfur dioxide (SO₂), and carbon monoxide (CO) at levels greater than the major source thresholds.

Sacred Heart's actual annual emissions are below the major source thresholds. As allowed in WAC 173-400-091, in a letter dated September 27, 1995, from Michael Wilson, Sacred Heart has requested voluntary emission limits on its potential to emit. The request has been reviewed by SRCAA and this document contains the voluntary emission limits, as requested by Sacred Heart.

All of the emission units (i.e., fuel fired boilers and generators of all sizes) contained in the various buildings of the Sacred Heart medical facility are subject to the requirements of this Voluntary Emission Limit Order. The following annual potential to emit limitation shall, from this date onward, be met by the facility:

1. Facility-wide oxides of nitrogen emissions shall not exceed 87.2 tons per year.
2. Facility-wide sulfur dioxide emissions shall not exceed 87.2 tons per year.
3. Facility-wide carbon monoxide emissions shall not exceed 23 tons per year.

To ensure the above emission limit(s) are met, the facility shall meet the following:

- A. The facility shall only use natural gas and fuel oil #2 to fire the boilers and generators.
- B. Annual fuel use at the facility shall not exceed the limit given in Equation 1:

Equation 1:

$$0.0096 * NG_{B1} + 0.0135 * NG_{B2} + 20 * O_B + 604 * O_{G1} + 438 * O_{G2} \leq 174,400$$

where:

NG_{B1} = annual natural gas use in boilers rated at less than 10 million BTU/hour measured in therms

NG_{B2} = annual natural gas use in boilers rated at 10-100 million BTU/hour measured in therms

O_B = annual diesel use in boilers measured in 1000's of gallons

O_{G1} = annual diesel use in generators rated 600 HP or less measured in 1000's of gallons

O_{G2} = annual diesel use in generators rated at greater than 600 HP measured in

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1000's of gallons.

- C. The facility shall maintain annual (calendar year) records of fuel use for each emission unit. It is acceptable to calculate the annual fuel use for an emission unit that shares the same fuel tank or meter with other emission unit(s). Annual records must be kept of the amount of fuel used for each classification of sources (i.e., boilers rated at less than 10 million BTU/hour, boilers rated at 10 to 100 million BTU/hour, generators rated 600 hp or less, and generators rated at greater than 600 hp). Records shall be kept for the previous two years of operation and made available to SRCAA personnel upon request.
- D. Annual fuel use for each emission unit shall be reported on annual registration forms provided by SRCAA.
- E. At all times, including periods of startup, shutdown, and malfunction, the generators and boilers shall be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions.
- F. Visual emissions from each generator and boiler shall not equal or exceed 20% for an aggregate of more than three minutes in any one-hour period. Compliance shall be determined using EPA Method 9.
- G. The facility shall give advance written notification to SRCAA before making any modification which would increase emissions. This notice shall be submitted sufficiently in advance to allow time for review, discussion, and revision of plans, if necessary. Such notice shall include, but is not limited to, information describing the precise nature of the change, modifications to any emissions control system, production capacity of the facility before and after the change, and the anticipated completion date of the change.
- H. Instances of any situation arising from sudden and reasonably unforeseeable events beyond the control of the facility, including acts of God such as major disaster¹, that causes the facility to exceed the emissions limitation under this order due to unavoidable increase in operative hours attributable to the emergency shall be treated as a breakdown, subject to the provisions of SRCAA Regulation I, Section 6.08. SRCAA may exempt the facility from penalties, provided the excess emission are reported to SRCAA no later than the next regular working day and the facility files a report providing the information required in SRCAA Regulation I, Section 6.08.A.3.

¹ major disaster, for the purposes of this Order, means appropriate extreme and unusual circumstances such as any hurricane, tornado, storm, flood, high water, wind-driven water, earthquake, drought, fire, or other catastrophe in any part of the United States which could not have been avoided by the exercise of prudence, diligence, and due care, and which is or threatens to become of sufficient severity and magnitude to warrant the use of emergency standby engines for backup electrical power.

Any proposed deviation from this order shall require revision or revocation of this order. The revision or revocation shall occur prior to the deviation.

This order does not relieve the proponent of the obligation to comply with all other applicable federal, state and local regulations and requirements.

Authorization may be modified, suspended or revoked in whole or part for cause including, but not limited to, the following:

- Violation of any terms or conditions of this authorization; and/or
- Obtaining this authorization by misrepresentation or failure to disclose fully all relevant facts.

This order may be appealed as described below:

Pursuant to the Revised Code of Washington (RCW) 43.21B.310, you have the right to appeal this Order by filing a notice of appeal with both the Pollution Control Hearings Board (PCHB) and the Spokane Regional Clean Air Agency (SRCAA) on or before the 30th day of receipt of SRCAA's order, permit, license, Notice and Order of Assessment of Civil Penalty, or Notice of Disposition.

Required procedures are detailed in state law (Chapter 43.21B RCW and Chapter 70A.15 RCW) and the PCHB's own regulations (Chapter 371.08 Washington Administrative Code) which may be found in many public libraries, county and municipal law libraries or on the Internet at www.access.wa.gov/. Since others publish these documents, copies are not available from SRCAA.

If you are filing an appeal, mail, deliver, or fax it to SRCAA and the PCHB at:

SRCAA Address

SRCAA
1610 S. Technology Blvd, Suite 101
Spokane, WA 99224

SRCAA Fax Number

(509) 477-6828

PCHB Mailing Address

PCHB
Environmental Hearings Office
P.O. Box 40903
Olympia, WA 98504-0903

PCHB Fax Number

(360) 586-2253

PCHB Physical Address

PCHB
1111 Israel Rd. SW. Ste 301
Tumwater, WA 98501

E-File Address

PCHB-SHBappeals@elaho.wa.gov