



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 NORTH HILTON • BOISE, IDAHO 83706 • (208) 373-0502

JAMES E. RISCH, GOVERNOR  
TONI HARDESTY, DIRECTOR

December 1, 2006

**Certified Mail No. 7005 1160 0000 1550 8302**

Mr. William R. Morgan  
Engineering Manager  
Saint Alphonsus Regional Medical Center  
1055 N. Curtis Road  
Boise, ID 83706-1370

RE: Facility ID No. 001-00027, Saint Alphonsus Regional Medical Center, Boise  
Final Permit to Construct Letter

Dear Mr. Morgan:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-050052 to Saint Alphonsus Regional Medical Center (SARMC), in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on November 28, 2005, and additional information and comments received from SARMC. This permit does not release SARMC from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to General Provision 5 of your permit, it is required that Construction and Operation Notification be provided. Please provide this information as listed to DEQ's Boise Regional Office at the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Air Quality Manager  
Boise Regional Office  
1445 N. Orchard  
Boise, ID 83706-2239  
Phone: (208) 373-0550

A representative of the Boise Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

St. Al's Regional Medical Center, Boise  
December 1, 2006  
Page 2

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to call Harbi Elshafei at (208) 373-0501 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Simon". The signature is written in a cursive style with a large initial "M".

Mike Simon  
Stationary Source Program Manager  
Air Quality Division

MSHE\bf      Project No. P-050052

Enclosures

c: Leonard Herr, Boise Regional Office  
Bill Rogers, Permit Coordinator  
Harbi Elshafei, Permit Writer  
Marilyn Seymore/ Pat Rayne, Air Quality Division  
Laurie Kral, US EPA Region 10  
Permit Binder  
Source File  
Phyllis Heitman (Ltr Only)  
Reading File (Ltr Only)



**Air Quality**  
**PERMIT TO CONSTRUCT**  
**State of Idaho**  
**Department of Environmental Quality**

**PERMIT No.:** P- 050052  
**FACILITY ID No.:** 001-00027  
**AQCR:** 064                      **CLASS:** SM  
**SIC:** 8062                      **ZONE:** 11  
**UTM COORDINATE (km):** 560.2, 4828.2

**1. PERMITTEE**  
 Saint Alphonsus Regional Medical Center

**2. PROJECT**  
 Permit to Construct Modification and the Installation of Two new Package Emergency Generators

<b>3. MAILING ADDRESS</b> 1055 N. Curtis Road	<b>CITY</b> Boise	<b>STATE</b> Idaho	<b>ZIP</b> 83706-1370
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<b>4. FACILITY CONTACT</b> William Morgan	<b>TITLE</b> Engineering Manager	<b>TELEPHONE</b> (208) 367-2121
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<b>5. RESPONSIBLE OFFICIAL</b> Darrell Fugate	<b>TITLE</b> Director, Facility Services	<b>TELEPHONE</b> (208) 367-2121
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<b>6. EXACT PLANT LOCATION</b> 1055 N. Curtis Road	<b>COUNTY</b> Ada
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**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**  
 General Medical and Surgical Hospital

**8. PERMIT AUTHORITY**

This permit is issued according to IDAPA 58.01.01.200, Rules for the Control of Air Pollution in Idaho, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require DEQ approval pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200, et seq.

*Harbi Elshafel*

**HARBI ELSHAFEL, PERMIT WRITER**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

*Mike Simon*

**MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**

**DATE ISSUED:** December 1, 2006

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## **Acronyms, Units, and Chemical Nomenclature**

<b>acfm</b>	<b>actual cubic feet per minute</b>
<b>AQCR</b>	<b>Air Quality Control Region</b>
<b>ASTM</b>	<b>American Society for Testing and Materials</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>CO</b>	<b>carbon monoxide</b>
<b>DEQ</b>	<b>Idaho Department of Environmental Quality</b>
<b>EPA</b>	<b>Environmental Protection Agency</b>
<b>gr/dscf</b>	<b>grains per dry standard cubic foot</b>
<b>IDAPA</b>	<b>a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act</b>
<b>km</b>	<b>kilometer</b>
<b>kW</b>	<b>kilowatts</b>
<b>lb/hr</b>	<b>pound per hour</b>
<b>MMBtu</b>	<b>million British thermal units</b>
<b>NO<sub>x</sub></b>	<b>oxides of nitrogen</b>
<b>NSPS</b>	<b>New Source Performance Standards</b>
<b>PM</b>	<b>particulate matter</b>
<b>PM<sub>10</sub></b>	<b>particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers</b>
<b>PTC</b>	<b>permit to construct</b>
<b>SARMC</b>	<b>Saint Alphonsus Regional Medical Center</b>
<b>SIC</b>	<b>Standard Industrial Classification</b>
<b>SM</b>	<b>synthetic minor</b>
<b>SO<sub>2</sub></b>	<b>sulfur dioxide</b>
<b>T/yr</b>	<b>tons per year</b>
<b>UTM</b>	<b>Universal Transverse Mercator</b>
<b>VOC</b>	<b>Volatile organic compounds</b>

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No.</b> 001-00027
<b>Location:</b>	Boise, Idaho	

**1. PERMIT TO CONSTRUCT SCOPE**

**Purpose**

- 1.1 This permit is a modification to the facility's Tier II operating permit and permit to construct. This permit also allows for the installation of two new package emergency generators.
- 1.2 This modified PTC replaces the following permits, the terms and conditions of which no longer apply:
  - Tier II Operating Permit and Permit to Construct No. 001-00027, issued on January 17, 2003.
  - Tier II Operating Permit No. 001-00027, issued on January 22, 1996, and revised March 15, 1996.

**Regulated Sources**

Table 1.1 lists all sources of emissions that are regulated in this PTC.

**Table 1.1 REGULATED EMISSIONS SOURCES**

<b>Permit Sections</b>	<b>Source Description</b>	<b>Emissions Control(s)</b>
2	<p><u>Boilers Nos. 1, 2, and 3</u> Natural gas fired, ASTM Grade 2 fuel oil backup</p> <p><u>Boiler No. 1</u> Manufacturer: Cleaver-Brooks Rated heat input capacity-natural gas (MMBtu/hr): 43 Rated heat input capacity-ASTM Grade 2 oil (MMBtu/hr): 41 Manufacturer's serial No.: Not available Model No.: D-52 Burner type: Todd Burner</p> <p><u>Boiler No. 2</u> Manufacturer: Cleaver-Brooks Rated heat input capacity-natural gas (MMBtu/hr): 43 Rated heat input capacity-ASTM Grade 2 oil (MMBtu/hr): 41 Manufacturer's serial No.: Not available Model No.: D-52 Burner type: Todd Burner</p> <p><u>Boiler No. 3</u> Manufacturer: Cleaver-Brooks Rated heat input capacity-natural gas (MMBtu/hr): 18.8 Rated heat input capacity-ASTM Grade 2 oil (MMBtu/hr): 16.8 Manufacturer's serial No.: Not available Model No.: D-26 Burner type: Webster Burner</p> <p>Boilers Nos. 1, 2, and 3 emit pollutants through one common stack with the following parameters:  Height (ft): 95 Exit diameter (ft): 5.75 Exit gas flow rate (acfm): 26,376 Exit gas temperature (°F): 445 Exit gas flow rate (acfm): 26,376 Exit gas temperature (°F): 445</p> <p>Boilers Nos. 1, 2, and 3 are located at the South Tower Building</p>	<p>Boilers Nos. 1, 2, and 3 are equipped with low-NO<sub>x</sub> burners.</p> <p>Emissions of PM, PM<sub>10</sub>, CO, SO<sub>2</sub>, and VOC are uncontrolled.</p>

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

**Permittee:** St. Alphonsus Regional Medical Center  
**Location:** Boise, Idaho

**Facility ID No. 001-00027**

Permit Sections	Source Description	Emissions Control(s)
3	<p><u>Boilers MOB1, MOB2, and MOB3</u>                      Natural gas fired</p> <p><u>Boilers MOB1 and MOB2</u>                      Manufacturer: Lochinvar CHN 1800                      Rated heat input capacity (MMBtu/hr): 1.8 each</p> <p><u>Boiler MOB3</u>                      Manufacturer: Lochinvar CFN501PM                      Rated heat input capacity (MMBtu/hr): 0.5</p> <p>Boilers MOB1, MOB2, and MOB3 are located at the Cardiology Building.</p> <p><u>Emergency Generators Nos. 1-11</u>                      ASTM Grade 2 fuel oil                      Generators 1-9 are existing diesel-fired emergency generators. Generators Nos. 10 and 11 are new which will be added to SARMC. Generators Nos. 10 and 11 each has the following specifications:</p> <p><u>Generator Nos. 10 and 11</u>                      Manufacturer: Caterpillar                      Rated output capacity (kW): 1,250                      Model No.: SR4B                      Serial No.: Not available</p> <p>Generators Nos. 10 and 11 have the following identical stack parameters:                      Height (ft): 35                      Diameter (ft): 1.17                      Flow rate (m/s, horizontal stack): 0.001                      Exit temperature (°F): 798                      Generators Nos. 10 and 11 are located at the new Central Tower Building.</p> <p>Generators Nos. 1, 2, 3, 5, 6, 7, 8, and 9 have the following specifications:</p> <p><u>Generator No. 1</u>                      Manufacturer: Caterpillar, rated output capacity (kW): 675, model No.: D398</p> <p><u>Generator No. 2</u>                      Manufacturer: Caterpillar, rated output capacity (kW): 750, model No.: D349-SRCR                      Generators 1 and 2 share a common stack with boilers 1, 2, and 3 and are located at the South Tower Building</p> <p><u>Generator No. 3</u>                      Manufacturer: Kohler, rated output capacity (kW): 300, model No.: 300 R0Z0.                      The generator is located in the Information Resources Building.</p> <p><u>Generator No. 5</u>                      Manufacturer: Kohler, rated output capacity (kW): 80, model No.: 80R0ZJ81.                      The generator is located at the Psychology Center Building.</p> <p><u>Generator No. 6</u>                      Manufacturer: Kohler, rated output capacity (kW): 600, model No.: 600R0ZD71.                      The generator is located at the Orthopedic Building.</p> <p><u>Generator No. 7</u>                      Manufacturer: Kohler, rated output capacity (kW): 200, model No.: 200R0ZD.                      The generator is located at the Liberty Building.</p> <p><u>Generator No. 8</u>                      Manufacturer: Kohler, rated output capacity (kW): 600, model No.: 600R0ZD-4.                      The generator is located at the Cardiology Building.</p> <p><u>Generator No. 9</u>                      Manufacturer: Kohler, rated output capacity (kW): 30, model No.: 30RE0ZJB.                      The generator is located at the Health Tech Building.</p>	<p>Emissions of PM, PM<sub>10</sub>, NO<sub>x</sub>, CO, SO<sub>2</sub>, and VOC are uncontrolled.</p>

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No.</b> 001-00027
<b>Location:</b>	Boise, Idaho	

**2. BOILERS NOS. 1, 2, 3, MOBV1, MOBV2, AND MOBV3**

**2.1 Process Description**

Boilers Nos. 1, 2, and 3 are manufactured by Cleaver-Brooks. The MOBV1, MOBV2, and MOBV3 boilers are manufactured by Lochinvar.

Boilers Nos. 1, 2, and 3 may operate using either natural gas fuel or ASTM Grade 2 fuel oil. Boilers Nos. 1 and 2 are identical and each is rated at the same heat input capacity of 43 MMBtu/hr, when fired with natural gas. Boiler No. 3 is rated at heat input capacity of 18.8 MMBtu/hr, when fired with natural gas. When boilers Nos. 1, 2, and 3 are fired with ASTM Grade 2 fuel oil the rated heat input capacities are 41, 41, and 16.8 MMBtu/hr, respectively. Modifications to Boilers Nos. 1, 2, and 3 subject them to 40 CFR 60, Subpart Dc, New Source Performance Standard (NSPS).

The rated heat input capacities for MOBV1, MOBV2, and MOBV3 boilers are 1.8, 1.8, and 0.5 MMBtu/hr, respectively. Boilers MOBV1, MOBV2, and MOBV3 operate only on natural gas fuel.

The primary purpose of the boilers is to generate steam for space heating at the hospital.

**2.2 Emissions Control Description**

Emissions of PM, PM<sub>10</sub>, CO, SO<sub>2</sub>, and VOC from the boilers are uncontrolled. Modifications to Boilers Nos. 1, 2, and 3 included a new low-NO<sub>x</sub> burner technology as part of the boiler's design.

***Emissions Limits***

**2.3 Emissions Limits**

Particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers (PM<sub>10</sub>) and sulfur dioxide (SO<sub>2</sub>) emissions from the boiler's stacks shall not exceed any corresponding emissions rate limits listed in Table 2.1 when combusting ASTM Grade 2 fuel oil.

**Table 2.1 EMISSIONS LIMITS FOR OPERATING ON  
ASTM GRADE 2 FUEL OIL**

Source	PM <sub>10</sub> <sup>a</sup>		SO <sub>2</sub> <sup>b</sup>	
	lb/hr	T/yr	lb/hr	T/yr
Boilers No. 1	0.99	0.18	21.25	3.82
Boiler No. 2	0.99	0.18	21.25	3.82
Boiler No. 3	0.40	0.07	8.71	1.57

<sup>a</sup>Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers

<sup>b</sup>Sulfur dioxide

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No. 001-00027</b>
<b>Location:</b>	Boise, Idaho	

**2.4 Visible Emissions Limit**

The permittee shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

**2.5 Particulate Matter Emissions**

Particulate matter (PM) emissions from any boiler stack shall not exceed 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen by volume when combusting gas, nor shall PM emissions from any boiler stack exceed 0.05 gr/dscf when combusting liquid fuel.

**2.6 Standard for PM in Accordance with 40 CFR 60.43c (e)(1)**

- The PM emissions from Boiler No. 1 and Boiler No. 2 shall each not exceed 0.030 pounds per million Btu of heat input in accordance with 40 CFR 60.43c (e)(1).
- Compliance with PM standard shall be determined in accordance with 40 CFR 60.45c.
- As an alternative to meeting the requirements of 40 CFR 60.43c (e)(1), the owner or operator of an affected facility shall meet the requirements of 40 CFR 60.43c (e)(2).
- Affected facilities subject to 40 CFR 60.43c (e)(1), are also subject to the requirements of 40 CFR 60.43c (c) and (d).

**2.7 NSPS-Subpart Dc Sulfur Dioxide Emission Standard (Boilers Nos. 1, 2, and 3)**

The SO<sub>2</sub> emissions from any ASTM Grade 2 fuel oil boiler stack shall not exceed 0.50 lb/MMBtu heat input, as required in 40 CFR 60.42.c(d), or as an alternative, the sulfur content in any ASTM Grade 2 fuel oil combusted in any process boiler shall not be greater than 0.5 weight percent.

***Operating Requirements***

**2.8 Allowable Fuel Types for Boilers Nos. 1, 2, 3, MOBV1, MOBV2, and MOBV3**

- The primary fuel for Boilers Nos. 1, 2, and 3 shall be natural gas. The secondary fuel shall be ASTM Grade 2 fuel oil.
- Boilers MOBV1, MOBV2, and MOBV3 shall use natural gas fuel exclusively.

**2.9 Boilers Operation Hours on ASTM Grade 2 Fuel Oil**

The maximum operation hours for boilers Nos. 1, 2, and 3 when operating on ASTM Grade 2 fuel oil shall not exceed 360 hours each for any consecutive 12-month period.

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No. 001-00027</b>
<b>Location:</b>	Boise, Idaho	

**2.10 Boilers 1, 2, and 3 Operation on ASTM Grade 2 Fuel Oil**

No more than two of the boilers 1, 2, or 3 shall operate at any time while combusting ASTM Grade 2 fuel oil. The third boiler can operate concurrently combusting natural gas.

**2.11 ASTM Grade 2 Fuel Oil Sulfur Content limit**

No ASTM Grade 2 fuel oil containing sulfur in excess of 0.5% sulfur by weight shall be burned in Boilers Nos. 1, 2, and 3.

**2.12 Air Stagnation Advisory Days**

The permittee shall comply with IDAPA 58.01.01.550-562, Air Pollution Emergency Rule.

***Monitoring, Recordkeeping, and Reporting Requirements***

**2.13 Operation on ASTM Grade 2 Fuel Oil**

The permittee shall monitor and record the date, number of hours each boiler operates on ASTM Grade 2 fuel oil, and identity of the boiler combusting ASTM Grade 2 fuel oil to demonstrate compliance with Permit Conditions 2.9 and 2.10.

Records of this information shall remain on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

**2.14 Monitoring Sulfur Content in ASTM Grade 2 Fuel Oil**

The permittee shall maintain purchase records, or equivalent, from the manufacturer or distributor that shows the sulfur content of the ASTM Grade 2 fuel oil delivered to the facility on as-received basis to determine compliance with Permit Condition 2.11.

Records of this information shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

**2.15 NSPS-Subpart Dc ASTM Grade 2 Fuel Oil Sulfur Content Monitoring, Recordkeeping and Reporting Requirements (Boilers Nos. 1, 2, and 3)**

The permittee shall comply with the following requirements for boilers 1, 2 and 3, in accordance with 40 CFR 60.42c(h):

- The permittee shall demonstrate compliance with the fuel oil sulfur content limits specified in Permit Condition 2.11 and 40 CFR 60.42c(d) by complying with 40 CFR 60.48c(d), CFR 60.48c(e), and 40 CFR 60.48c(f).
- Records of each fuel oil sulfur content certification shall remain on site for the most recent two-year period in accordance with 40 CFR 60.48c(i) and for the most recent five-year period in accordance with General Provision 7 and shall be made available to DEQ representatives upon request.
- Semi-annual reports shall be submitted to EPA Region 10 and to DEQ in accordance with 40 CFR 60.48c(j).

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<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No. 001-00027</b>
<b>Location:</b>	Boise, Idaho	

**2.16 NSPS-Subpart Dc Applicability Notification, Monitoring, Reporting and Recordkeeping Requirements (Boilers Nos. 1, 2, and 3)**

In accordance with 40 CFR 60.48c(a), the permittee shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup as required by 40 CFR 60.7 for the boilers.

The notification shall include the following:

- the design heat input capacity of the affected facility,
- fuels to be combusted in the affected facility,
- the annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each fuel fired.

Notification shall be submitted to EPA and DEQ.

U.S. EPA – Region 10  
Office of Air Quality  
1200 Sixth Avenue  
Seattle, WA 98101  
Phone: (206) 553-1200

Air Quality Permit Compliance  
Boise Regional Office  
Idaho Department of Environmental Quality  
1445 North Orchard  
Boise, ID 83706-2239  
Phone: (208) 373-0550

The monitoring and recordkeeping of fuels combusted in the boilers shall comply with 40 CFR 60.48c(g) and the following:

- The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day, unless alternative monitoring, recordkeeping, and reporting is formally approved by EPA.
- The permittee shall maintain written documentation of any EPA-approved monitoring, recordkeeping, and reporting requirements for the boilers.

Records of this information shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

**2.17 Fugitive Emissions**

All reasonable precautions shall be taken to prevent PM from becoming airborne, in accordance with IDAPA 58.01.01.650-651.

**2.18 Visible Emissions Monitoring**

The permittee shall conduct a quarterly inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. A

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<b>Location:</b>	Boise, Idaho	

minimum of 30 observations shall be recorded when conducting the opacity test. If opacity is greater than 20% for a period or periods aggregating more than three minutes in any 60-minute period, the permittee shall take all necessary corrective action and report the exceedance in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each visible emissions inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken. Records of this information shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

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<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No. 001-00027</b>
<b>Location:</b>	Boise, Idaho	

**3. EMERGENCY GENERATORS NOS. 1, 2, 3, 5, 6, 7, 8, 9, 10, AND 11**

**3.1 Process Description**

There are eight existing diesel-fired emergency electrical power generators at SARMC. Generators Nos. 10 and 11 are diesel-fired emergency electrical power generators that will be added to the new Central Tower building at the facility.

The generators' manufacturers, model numbers, rated output capacities, and serial numbers are shown in Table 1.1 of this permit. The primary purpose of the emergency generators is to provide electrical power to the hospital in the event of a power interruption.

**3.2 Emissions Control Description**

Emissions from the emergency generators are uncontrolled.

***Emissions Limits***

**3.3 Visible Emissions Limit**

The permittee shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

**3.4 ASTM Grade 2 Fuel Oil Sulfur Content Limit**

No ASTM Grade 2 fuel oil containing sulfur in excess of 0.5% by weight shall be burned in the emergency generators.

***Operating Requirements***

**3.5 Hours of Operation for Maintenance**

- The operation of each emergency generator shall not exceed a maximum of six hours in any 24-hour period. Multiple generators can operate concurrently during a single day for load testing.
- The operation of each emergency generator shall not exceed a maximum of 500 hours in any consecutive 12-month period.

These hours of operations limit shall not apply during times of electric power outages to the hospital.

**3.6 Air Stagnation Advisory Days**

The permittee shall comply with IDAPA 58.01.01.550-562, Air Pollution Emergency Rule.

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center	<b>Facility ID No. 001-00027</b>
<b>Location:</b>	Boise, Idaho	

***Monitoring and Recordkeeping Requirements***

**3.7 ASTM Grade 2 Fuel Oil Monitoring**

The permittee shall maintain purchase records, or equivalent, from the manufacturer or distributor that shows the sulfur content of the ASTM Grade 2 fuel oil delivered to the facility on as-received basis.

Records of this information shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

**3.8 Visible Emissions Monitoring**

Monitoring of visible emissions from the generators stacks shall be in accordance with Permit Condition 2.18.

**3.9 Emergency Generator Operation**

The permittee shall monitor and record the date, number of hours of operation, and the reason for the operation of each emergency generator.

Records of this information shall remain on site for the most recent five-year period and shall be made available to DEQ representatives upon request.

***Reporting Requirements***

**3.10 Reports and Certifications**

All periodic reports and certification required by this permit shall be submitted to DEQ within 30 days of the end of each specified reporting period unless otherwise specified in this permit. Reports shall be submitted to DEQ in accordance with General Provision 9 of this permit. Any reporting required by this permit shall be submitted to the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Boise Regional Office  
1445 North Orchard  
Boise, ID 83706-2239  
Phone: (208) 373-0550                      Fax : (208) 373-0287

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-050052**

<b>Permittee:</b>	St. Alphonsus Regional Medical Center
<b>Location:</b>	Boise, Idaho

**Facility ID No. 001-00027**

**4. PERMIT TO CONSTRUCT GENERAL PROVISIONS**

***General Compliance***

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the Rules for the Control of Air Pollution in Idaho. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq.

[Idaho Code §39-101, et seq.]

2. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211, 5/1/94]

3. Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules and regulations.

[IDAPA 58.01.01.212.01, 5/1/94]

***Inspection and Entry***

4. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
  - a. Enter upon the permittee's premises where an emissions source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
  - b. Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
  - d. As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

***Construction and Operation Notification***

5. The permittee shall furnish DEQ written notifications as follows in accordance with IDAPA 58.01.01.211:
  - a. A notification of the date of initiation of construction, within five working days after occurrence;

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- b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;
- c. A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date;
- d. A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- e. A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211, 5/1/94]

### ***Performance Testing***

6. If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

### ***Monitoring and Recordkeeping***

7. The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

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***Excess Emissions***

8. The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

***Certification***

9. All documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123, 5/1/94]

***False Statements***

10. No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit, or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

***Tampering***

11. No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

***Transferability***

12. This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

***Severability***

13. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.