



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

March 24, 2004

Certified Mail No. 7099 3220 00091975 4373

Gordon Bronson
Director of Facility
Kootenai Medical Center
2003 Lincoln Way
Coeur d'Alene, ID 83814

RE: Facility ID No. 055-00030, Kootenai Medical Center, Coeur d'Alene
Final Permit Letter

Dear Mr. Bronson:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) Number P-030120 for a new central heating plant and emergency generators in accordance with IDAPA 58.01.01.200 through 228 (*Rules for the Control of Air Pollution in Idaho*). This permit is effective immediately and is based on your permit application received on June 25, 2003.

This permit does not release Kootenai Medical Center from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

A representative of the Coeur d'Alene 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.

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 Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in cursive script that reads "Martin Bauer".

Martin Bauer, Administrator
Air Quality Division

MB/DH/sd

Permit No. P-030120

Enclosures

Tom Harman, Coeur d'Alene Regional Office
Bill Rogers, Permit Coordinator
Laurie Kral, US EPA Region 10

cc: Sherry Davis, Air Quality Division
Dustin Holloway, Permit Writer
Marilyn Seymore, Air Quality Division
Pat Rayne, AFS
Permit Binder
Phyllis Heitman (Ltr Only)
Reading File (Ltr Only)



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

PERMIT No.: P-030120
FACILITY ID No.: 055-00030
AQCR: 62 **CLASS:** SM
SIC: 8062 **ZONE:** 11
UTM COORDINATE (km): 515.4 , 5282.3

1. **PERMITTEE**
Kootenai Medical Center

2. **PROJECT**
New Central Heating Plant

3. **MAILING ADDRESS**
2003 Lincoln Way

CITY
Coeur d'Alene

STATE
ID

ZIP
83814

4. **FACILITY CONTACT**
Gordon Bronson

TITLE
Director of Facility

TELEPHONE
(208) 666-3466

5. **RESPONSIBLE OFFICIAL**
Don Soltman

TITLE
Vice President

TELEPHONE
(208) 666-3466

6. **EXACT PLANT LOCATION**
2003 Lincoln Way, Coeur d'Alene

COUNTY
Kootenai

7. **GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**
General Medical and Surgical Hospital

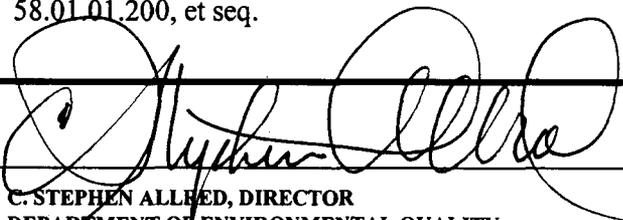
8. **GENERAL CONDITIONS**

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 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 is not transferable to another person, place, or piece or set of 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.


C. STEPHEN ALLED, DIRECTOR
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: March 24, 2004

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Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
cfh	cubic feet per hour
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gal/hr	gallons per hour
gr	grain (1 lb = 7,000 grains)
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
kW	kilowatt
KMC	Kootenai Medical Center
NSPS	New Source Performance Standards
PTC	permit to construct
SIC	Standard Industrial Classification
SM	synthetic minor
T/yr	tons per year
UTM	Universal Transverse Mercator

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-030120

Permittee: Kootenai Medical Center	Facility ID No. 055-00030	Date Issued: March 24, 2004
Location: Coeur d'Alene, Idaho		

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 This permit is for the construction of three boilers and two emergency generators in Kootenai Medical Center's central heating plant.

Regulated Sources

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

Table 1.1 SUMMARY OF REGULATED SOURCES

Permit Section	Source Description	Emissions Control(s)
2	Three Superior Boiler Works dual fuel boilers with Washaupt burners Model No.: X6-X-2000-5150-M Maximum Fuel Consumption: 143 gal/hr No. 2 distillate fuel 16,738 cfh natural gas	None
3	Two Caterpillar Diesel Emergency Generators Model: 3512 Power Rating: 1250 kW	None

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2. HEAT PLANT BOILERS

2.1 Process Description

The heat plant boilers are used to produce heat for the Kootenai Medical Center complex. The emissions from the boilers are uncontrolled.

Emissions Limits

2.2 Criteria Pollutant Emissions Limits

The combined emissions of sulfur dioxide from the boilers shall not exceed 13.5 T/yr.

2.3 Visible Emissions

Emissions from the boiler stacks, or any other stack, vent, or functionally equivalent opening associated with the boilers, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

2.4 Fuel-Burning Equipment Particulate Matter Limits

The permittee shall not discharge particulate matter to the atmosphere from any fuel-burning equipment in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume while combusting gaseous fuel, or 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume while combusting liquid fuel.

Operating Requirements

2.5 Fuel Type

The fuel used in the boilers shall be natural gas or No. 2 distillate fuel only. No. 2 distillate fuel shall only be used as a backup fuel when natural gas is not available.

2.6 Fuel Sulfur Content

No distillate fuel containing more than 0.05% sulfur by weight shall be combusted in the boilers.

Monitoring and Recordkeeping Requirements

2.7 Fuel Monitoring – New Source Performance Standards (NSPS)

The permittee shall monitor and record both the type and amounts of fuel combusted in each boiler on a daily basis in accordance with 40 CFR 60.48c(g). A compilation of the most recent two years of records shall be maintained on site and made available to DEQ representatives upon request.

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2.8 Fuel Sulfur Content Records – NSPS

The permittee shall maintain documentation of supplier verification of distillate fuel oil sulfur content on an as-received basis. A compilation of the most recent two years of records shall be maintained on site and made available to DEQ representatives upon request.

2.9 Monitor Visible Emissions

The permittee shall conduct a visible emissions inspection on the heat plant boilers once per calendar quarter. The inspection shall consist of a see/no see evaluation for each boiler stack. If any visible emissions are present from any of the stacks, 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.

2.10 Initial Performance Test Results

Within 60 days of achieving the maximum normal operating rate, but no later than 180 days after initial startup, the permittee shall submit a copy of the fuel supplier sulfur content verification to DEQ and EPA in accordance with 40 CFR 60.44c(h). The report shall be sent to following addresses:

Air Quality Permit Compliance
Department of Environmental Quality
2110 Ironwood Pkwy
Coeur d'Alene, ID 83814
Phone: (208) 769-1422 Fax: (208) 769-1404

EPA Region 10
Air Operating Permits, OAQ-107
1200 Sixth Ave.
Seattle, WA 98101

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3. EMERGENCY ELECTRICAL GENERATORS

3.1 Process Description

Two 1250 kW emergency generators are used to provide backup power to the KMC complex in the case of an electrical power outage. The emissions from the generators are uncontrolled.

Emissions Limits

3.2 Visible Emissions

Emissions from the emergency generator stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

3.3 Electrical Generator Operation

The emergency electrical generators shall only be operated for emergency power generation or testing and maintenance.

3.4 Fuel Sulfur Content

No distillate fuel containing more than 0.05% sulfur by weight shall be combusted in the electrical generators.

Monitoring Requirements

3.5 Fuel Sulfur Content Records

The permittee shall maintain documentation of supplier verification of distillate fuel oil sulfur content on an as-received basis. A compilation of the most recent two years of records shall be maintained on site and made available to DEQ representatives upon request.

3.6 Monitor Visible Emissions

The permittee shall conduct a visible emissions inspection on the electrical generators once per calendar quarter while the generators are operating. The inspection shall consist of a see/no see evaluation for each generator stack. If any visible emissions are present from any of the generator stacks, 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.

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4. PERMIT TO CONSTRUCT GENERAL PROVISIONS

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.
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.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
 - To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
 - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
5. The permittee shall notify DEQ, in writing, of the required information for the following events within 5 working days after occurrence:
 - Initiation of Construction - Date
 - Completion/Cessation of Construction - Date
 - Actual Production Startup - Date
 - Initial Date of Achieving Maximum Production Rate - Production Rate and Date
6. The Director may require the permittee to develop a list of operation and maintenance procedures to be submitted to DEQ. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
7. 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.

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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.

8. 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.
9. In accordance with IDAPA 58.01.01.123, 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.