



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

C.L. "Butch" Otter, Governor
Toni Hardesty, Director

September 4, 2008

Certified Mail No. 7190 0596 0014 0000 3694

Mike Lyngholm
University of Idaho
1108 W. 6th St.
Moscow, ID 83844-203

RE: Facility ID No. 057-00025, University of Idaho, Moscow
Final Permit Letter

Dear Mr. Lyngholm:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2008.0079 to University of Idaho for permitting an existing natural gas-fired boiler at its facility in Moscow and converting an existing Tier II Operating Permit for a wood-fired boiler to a Permit to Construct, 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 May 18, 2008. This permit is effective immediately and replaces Tier II PTC No. P-057-00025, issued on August 2, 2002, the terms and conditions of which no longer apply. This permit does not release University of Idaho from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

This PTC was processed in accordance with IDAPA 58.01.01.209.05.c. In accordance with IDAPA 58.01.01.209.05.c, you may request at any time that the PTC provisions be incorporated into the Tier I operating permit through an administrative amendment in accordance with IDAPA 58.01.01.381. In accordance with 40 CFR 70.7(d)(3)(iii), you may implement the changes authorized by the PTC immediately upon submittal of this request.

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 Lewiston Regional Office, 1118 F St., Lewiston, ID 83501, Fax (208) 769-3451.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Amber Rand, Air Quality Analyst, at (208) 769-4370 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends the following representatives attend the meeting:

University of Idaho, Moscow
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your facility's plant manager, responsible official, environmental contact, and any other 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 contact Darrin Pampaian at (208) 373-0502 or Darrin.Pampaian@deq.idaho.gov 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 fluid and cursive, written over a white background.

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\DRP\hp

Project No. P-2008.0079

Enclosures



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

PERMIT No.: P-2008.0079
FACILITY ID No.: 057-00025
AQCR: 62 **CLASS:** A
SIC: 8221 **ZONE:** 11
UTM COORDINATE (km): 499. 0, 5175.0

1. PERMITTEE

University of Idaho

2. PROJECT

Permit to Construct for the University of Idaho Campus

3. MAILING ADDRESS

1108 W. 6th St.

CITY

Moscow

STATE

ID

ZIP

83844-2030

4. FACILITY CONTACT

Mike Lyngholm

TITLE

N/A

TELEPHONE

(208) 885-5247

5. RESPONSIBLE OFFICIAL

Fred Hutchison

TITLE

Director of Environmental Health and Safety

TELEPHONE

(208) 885-5247

6. EXACT PLANT LOCATION

Power Plant Building on Campus (corner of 6th and Line St.)

COUNTY

Latah

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Institution of Higher Undergraduate and Post-Graduate Education and Research

8. PERMIT AUTHORITY

This permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200 through 228, 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 in design, equipment or operations may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 through 228 of the Rules for the Control of Air Pollution in Idaho.

DARRIN PAMPAIAN, PERMIT WRITER
DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE MODIFIED/REVISED:	September 4, 2008
DATE ISSUED:	September 10, 2002

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Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
Btu	British thermal unit
CFR	Code of Federal Regulations
CO	carbon monoxide
COMs	Continuous Opacity Monitor
DEQ	Department of Environmental Quality
gr	grain (1 lb = 7,000 grains)
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
HAP	Hazardous Air Pollutant
hp	horsepower
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
lb/hr	pounds per hour
MMBtu	million British thermal units
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTC	permit to construct
PTE	potential to emit
Rules	Rules for the Control of Air Pollution in Idaho
scf	standard cubic feet
SIC	Standard Industrial Classification
SO ₂	sulfur dioxide
SO _x	sulfur oxides
T/yr	tons per year
TAP	Toxic Air Pollutant
µg/m ³	micrograms per cubic meter
U of I	University of Idaho
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2008.0079

Permittee:	University of Idaho	Facility ID No. 057-00025
Location:	Moscow, Idaho	

1. PERMIT TO CONSTRUCT SCOPE

Purpose

- 1.1 The purpose of this Permit to Construct (PTC) is to establish enforceable requirements for the facility's wood-waste-fired boiler and the other significant emission sources at the facility and to permit an existing inactive natural gas-fired boiler in accordance with the *Rules for the Control of Air Pollution in Idaho*.
- 1.2 Those permit conditions that have been modified or revised by this permitting action are identified by a date citation located directly under the permit condition and on the right hand margin.
- 1.3 This PTC replaces PTC No. 057-00025, issued on September 10, 2002, the terms and conditions of which shall no longer apply.

Regulated Sources

- 1.4 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
2.	<u>FACILITY-WIDE FUGITIVE DUST EMISSIONS SOURCES:</u> - Wood-waste boiler ash handling - Wood-waste fuel truck dump - Paved roads and parking lots - Unpaved roads and parking lots	Fugitive emissions – Reasonable control of fugitive emissions
3.	<u>WOOD WASTE-FIRED BOILER:</u> S-BA– Solid Fuels, Inc. (furnace section) and Nebraska (boiler section) wood waste-fired boiler with a steam generation rate of 66,800 lb-steam/hr and a heat input rating of 88.4 MMBtu/hr	Multiclone
4.	<u>NATURAL GAS-FIRED BOILERS:</u> S-BB – Cleaver-Brooks natural gas-fired boiler model #DLD-76 with a rated heat input capacity of 82.5 MMBtu/hr S-BC – Babcock & Wilcox natural gas-fired boiler with a rated heat input capacity of 78.6 MMBtu/hr S-BD – Combustion engineering natural gas-fired boiler model #NB-242 with a rated heat input capacity of 42.9 MMBtu/hr	S-BB – Uncontrolled S-BC – Uncontrolled S-BD – Uncontrolled
5.	<u>DIESEL-FIRED ELECTRICAL IC ENGINE GENERATORS:</u> S-G01 - Kohler diesel-fired emergency IC engine model #18 NA 3160 with a rated electrical generation capacity of 350 kW – located at Gibb Hall S-G02 - Kohler diesel-fired emergency IC engine model #180ROZJ181 with a rated electrical generation capacity of 180 kW – located at the Power Plant S-G03 - Caterpillar diesel-fired emergency IC engine model #3412 with a rated electrical generation capacity of 500 kW – located at McClure Hall	S-G01 – Uncontrolled S-G02 – Uncontrolled S-G03 – Uncontrolled

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2. FACILITY-WIDE REQUIREMENTS

Reserved

The facility-wide conditions are included in the University of Idaho's Tier I operating permit.

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Location:	Moscow, Idaho	

3. WOOD WASTE-FIRED BOILER (S-BA)

3.1 Process Description

The primary purpose of the wood waste-fired boiler indentified as S-BA is to produce steam for heating the campus in winter and to provide steam to absorption chillers to cool the campus buildings in summer. This boiler is also allowed to burn a small amount of paper waste.

3.2 Emissions Control Description

Table 3.1 WOOD WASTE-FIRED BOILER (S-BA) DESCRIPTION

Emissions Unit(s)/Process(es)	Emissions Control Device	Emissions Point
Wood waste-fired boiler (S-BA)	Multiclone	Exhaust stack S-BA/S-BC

[September 4, 2008]

Emissions Limits

3.3 Emissions Limits

The PM₁₀, SO₂, NO_x, CO, and VOC emissions from the wood waste-fired boiler exhaust stack shall not exceed any corresponding emissions rate limits listed in Table 3.2.

Table 3.2 WOOD WASTE-FIRED BOILER (S-BA) EMISSIONS LIMITS

SourceDescription	PM ₁₀		SO ₂		NO _x		CO		VOC	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
S-BA	17.24	75.52	2.21	9.68	15.17	71.63	5.75	164.00	1.50	6.58

3.4 Grain Loading Limit

Particulate matter (PM) emissions from the wood waste-fired boiler stack shall not exceed 0.080 gr/dscf of effluent gas adjusted to 8% oxygen by volume.

[September 4, 2008]

3.5 Opacity Limit

Emissions from the wood waste-fired boiler exhaust stack, or any other stack, vent, or functionally equivalent opening associated with the wood waste-fired boiler exhaust, 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.

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Permittee:	University of Idaho	Facility ID No. 057-00025
Location:	Moscow, Idaho	

Operating Requirements

3.6 Boiler Operation Limits

The maximum wood-waste boiler steam production rate shall not exceed an average of 66,800 lb/hr, based upon a three-hour rolling average.

The maximum allowable steam production rate of 66,800 lb/hr steam may be increased to a level that shall not exceed 120% of the average steam production rate attained during the most recent performance test approved by the Department. If the maximum steaming production rate of 120% of the average steam rate attained during the most recent performance test would exceed the particulate matter grain-loading standard contained in this permit, the maximum operational steaming rate shall be limited to the steaming rate obtained by the following equation:

$$\text{Max. steam rate} = \text{Ave. steam rate during test} \times \left(\frac{0.08 \text{ gr/dscf at 8\% Oxygen}}{\text{tested grain loading at 8\% Oxygen}} \right)$$

[September 4, 2008]

3.7 Boiler Fuel Requirements

The wood waste-fired boiler shall burn wood fuel or a mixture of 99.5% wood and 0.5% paper-derived fuel by volume at any time. Compliance with this limitation shall be established on a rolling 12-month basis. The boiler shall not combust any contaminated wood fuels such as railroad ties, orientated strand board, particle board, plywood, painted or stained woods.

3.8 Multiclone Requirements

The multiclone operation requirements are as follows:

- The multiclone shall be in operation at all times during wood-waste boiler operation.
- The multiclone pressure drop shall be maintained within the pressure drop range specified in the Operation and Maintenance (O&M) Manual.
- Routine maintenance of the multiclone shall be conducted in accordance with the O&M Manual.

3.9 Multiclone Operation and Maintenance Manual

The permittee shall maintain an Operation and Maintenance (O&M) Manual for the multiclone unit describing the schedule and steps taken to assure the air pollution control equipment will be properly operated and maintained. The O&M Manual shall address the operation, maintenance, and repair of the multiclone and shall include, at a minimum, the following:

- A general description of the multiclone control device.
- Normal operating conditions.
- Normal operating procedures.
- Methods of preventing malfunctions.

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- Appropriate corrective actions to be taken in the case of upsets and malfunctions.
- Provisions for weekly inspections and routine maintenance schedules.

The O&M Manual shall be updated periodically as additional information is gained from performance testing and day-to-day operating experience. This manual shall remain onsite and shall be made available to Department representatives upon request.

Monitoring and Recordkeeping Requirements

3.10 Boiler Continuous Opacity Monitoring

The in-stack, continuous opacity monitoring system (COMS) shall be installed, operated, calibrated, and properly maintained on the boiler stack, in accordance with 40 CFR 60.7; 40 CFR 60.13; and 40 CFR 60, Appendix B, Specification 1, except as follows:

- The COMS shall be operated in accordance with 40 CFR 60.7, except that files required by 40 CFR 60.7(f) shall be retained for at least five years following the date of measurement, maintenance, reports, or records.
- Excess emissions reports shall be submitted to the Department in accordance with the provisions of IDAPA 58.01.01.130-136.
- The COMS shall be operated in accordance with 40 CFR 60.13, except the opacity data reduction specified by 40 CFR 60.13(h) shall be reduced to demonstrate compliance with the visible emissions limitation specified by IDAPA 58.01.01.625.
- The reduced data shall be presented numerically, and may, at the permittee's option, be presented graphically. Periods of excess emissions, as defined by IDAPA 58.01.01.006.35, which result due to startup, shutdown, and scheduled maintenance, shall be clearly identified in the reduced visible emissions documentation.
- For periods where the COMS downtime exceeds 5% of the total operating time for the reporting period, the permittee shall perform a see/no see evaluation on the wood-waste boiler stack once per day during periods where the wood-waste boiler is operating and the COMS is not operational. If visible emissions are noted, the permittee shall perform a Method 9 opacity determination in accordance with the procedures outlined in IDAPA 58.01.01.625 during the same day.

3.11 Boiler Steam Rate Monitoring

The permittee shall monitor and record the hourly steam production rate of the wood-waste boiler which is representative of individual one-hour periods. On a monthly basis, the permittee shall calculate the average hourly steam production rate using each individual hourly steam production value on the basis of a three-hour average. The average hourly steam production values shall be used to determine compliance with the hourly steam production limitation in Permit Condition 3.6 and the emissions limitations.

[IDAPA 58.01.01.405.01, 5/1/94]

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3.12 Multiclone Pressure Drop Monitoring

The permittee shall install, operate, and maintain a monitor to continuously monitor the pressure drop across the multiclone. The pressure drop shall be recorded once on a daily basis during operation of the wood-waste boiler. The multiclone pressure drop records shall be maintained onsite for the most recent five-year period and shall be made available to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

3.13 Boiler Fuel Monitoring

The permittee shall monitor and record the volume of paper-derived fuel on the days when this fuel is utilized in the wood-waste boiler. The volume of wood-waste fuel combusted in the wood-waste boiler shall be monitored and recorded in the same units as the paper-derived fuel.

3.14 Boiler Emissions Limitation Compliance Demonstration

The permittee shall calculate hourly emissions on a monthly basis using the following emissions factors table and the information required by Permit Condition 3.11.

Table 3.3 WOOD COMBUSTION EMISSIONS FACTORS

Pollutant	Emission Factor
PM ₁₀	0.1100 lb-PM ₁₀ /1,000 lb-steam
CO	0.0861 lb-CO/1,000 lb-steam
NO _x	0.2271 lb-NO _x /1,000 lb-steam

[September 4, 2008]

Compliance with the annual emission limitations listed in Appendix A of this permit shall be determined by summing the hourly steam production on a monthly basis, then multiplying the monthly steam production by the emission factors listed in Table 3.3, and then summing the monthly emissions for each consecutive 12-month period.

[September 4, 2008]

The permittee may use emission factors developed through Department-approved performance testing in place of the emission factors listed in Table 3.3, provided they are in the same units as the emission factors listed in Table 3.3, and are formally approved by the Department and changed in this permit.

Performance Testing

3.15 Boiler Compliance Testing

Within 12 months prior to or after the issuance date of this permit, the permittee shall conduct performance testing on the wood-waste-fired boiler stack to demonstrate compliance with the grain-loading emission standard of 0.080 gr/dscf, corrected to 8% oxygen, as specified by IDAPA 58.01.01.677.

Visible emissions shall be monitored concurrently with each PM test run according to the provisions specified by IDAPA 58.01.01.625. The permittee may use the in-stack COMS and reduced data in lieu of EPA Reference Method 9 to establish the opacity during each PM test run.

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The permittee shall also monitor and record the following for each compliance test run: the steam production, the multiclone pressure drop, and the fuel-feed rate in a manner that allows the actual hourly heat input of the fuel to be determined.

The test shall be performed while combusting wood waste.

3.16 Frequency of Boiler Compliance Testing

If the particulate grain-loading concentration measured in the compliance test is less than or equal to 75% of the particulate grain-loading standard of 0.080 gr/dscf at 8% oxygen, testing is required once every five-years. If the particulate grain-loading concentration measured during the compliance test is greater than 75%, but less than or equal to 90% of the particulate grain-loading standard of 0.080 gr/dscf at 8% oxygen, an additional test shall be required within 36 months of the previous test date. If the particulate grain-loading concentration measured during the compliance test is greater than 90% of the particulate grain-loading standard of 0.080 gr/dscf at 8% oxygen, the permittee shall conduct an additional performance test within 12 months of the previous test date.

[September 4, 2008]

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Permittee:	University of Idaho	Facility ID No. 057-00025
Location:	Moscow, Idaho	

4. NATURAL GAS-FIRED BOILERS (S-BB, S-BC, AND S-BD)

4.1 Process Description

The primary purpose of the three natural gas-fired boilers identified as S-BB, S-BC, and S-BD is to produce steam for heating the campus in winter and to provide steam to absorption chillers to cool the campus buildings in summer in the event the wood waste-fired boiler is shut down or cannot supply the desired quantity of steam for the facility.

[September 4, 2008]

4.2 Emissions Control Description

Table 4.1 NATURAL GAS-FIRED BOILERS (S-BB, S-BC, AND S-BD) DESCRIPTIONS

Emissions Unit(s)/Process(es)	Emissions Control Device	Emissions Point
Natural gas-fired boiler (S-BB)	N/A	Exhaust stack S-BB
Natural gas-fired boiler (S-BC)	N/A	Exhaust stack S-BA/S-BC
Natural gas-fired boiler (S-BD)	N/A	Exhaust stack S-BD

[September 4, 2008]

Emissions Limits

4.3 Emissions Limits

Table 4.2 NATURAL GAS-FIRED BOILERS (S-BB, S-BC, AND S-BD) EMISSIONS LIMITS

Source Description	PM ₁₀		SO ₂		NO _x		CO		VOC	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
S-BB	0.62	1.54	0.05	0.12	8.09	20.22	6.80	16.99	0.45	1.11
S-BC	0.59	1.46	0.05	0.12	7.70	19.26	6.48	16.18	0.42	1.06
S-BD	0.32	0.80	0.03	0.06	4.20	10.51	3.53	8.83	0.23	0.58

4.4 Grain Loading Limit

Particulate matter emissions from each of the natural gas-fired boiler stacks shall not exceed 0.015 gr/dscf of effluent gas adjusted to 3% oxygen by volume.

[September 4, 2008]

4.5 Opacity Limit

Visible emissions from any of the natural gas-fired boiler stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625.

Operating Requirements

4.6 Heat Input Limit

Natural gas input to the three boilers, designated as S-BB, S-BC, AND S-BD, shall not exceed 1,000 MMscf in any consecutive 12-month period.

[September 4, 2008]

AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-2008.0079

Permittee:	University of Idaho	Facility ID No. 057-00025
Location:	Moscow, Idaho	

Monitoring and Recordkeeping Requirements

4.7 Grain-loading Standard Compliance

No compliance demonstration is required by this permit for the natural gas-fired boilers, designated as S-BB, S-BC, or S-BD, for the purpose of establishing compliance with the grain-loading standard per IDAPA 58.01.01.677.

4.8 Visible Emissions Limits Compliance

No compliance demonstration is required by this permit for the natural gas-fired boilers, designated as S-BB, S-BC, or S-BD, for the purpose of establishing compliance with the visible emissions standard per IDAPA 58.01.01.625, except as required by Permit Condition 2.8.

4.9 Heat Input Limit Monitoring

The permittee shall monitor and record the heat input (in scf) for each individual boiler listed in Permit Condition 4.5 on a monthly basis. The monthly heat input for each boiler shall be summed each consecutive 12-month period to establish compliance with the operation limitation specified by Permit Condition 4.5.

[September 4, 2008]

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Permittee:	University of Idaho	Facility ID No. 057-00025
Location:	Moscow, Idaho	

5. DIESEL-FIRED EMERGENCY IC ENGINES (S-G01, S-G02, AND S-G03)

5.1 Process Description

The primary purpose of the three diesel-fired emergency IC engine electrical generators, identified as S-G01, S-G02, and S-G03 is to produce electricity for the facility in the event of disruption of electricity to the facility from the power grid.

5.2 Emissions Control Description

Table 5.1 DIESEL-FIRED EMERGENCY IC ENGINES (S-G01, S-G02, AND S-G03) DESCRIPTIONS

Emissions Unit(s)/Process(es)	Emissions Control Device	Emissions Point
Diesel-fired emergency IC engine (S-G01)	N/A	Exhaust stack S-G01
Diesel-fired emergency IC engine (S-G02)	N/A	Exhaust stack S-G02
Diesel-fired emergency IC engine (S-G03)	N/A	Exhaust stack S-G03

[September 4, 2008]

Emissions Limits

5.3 Emissions Limits

Table 5.2 DIESEL-FIRED EMERGENCY IC ENGINES (S-G01, S-G02, AND S-G03) EMISSIONS LIMITS

Source Description	PM ₁₀		SO ₂		NO _x		CO		VOC	
	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
S-G01	1.15	0.29	1.07	0.27	16.32	4.08	3.52	0.88	1.33	0.33
S-G02	1.02	0.26	0.96	0.24	14.55	3.64	3.14	0.78	1.19	0.30
S-G03	1.46	0.36	1.36	0.34	20.73	5.18	4.47	1.12	1.69	0.42

[September 4, 2008]

5.4 Opacity Limit

Visible emissions from any of the diesel-fired IC engine stacks shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required in IDAPA 58.01.01.625.

Operating Requirements

5.5 Operating Limit

Each of the diesel-fired IC engines shall operate no more than 500 hours in any consecutive 12-month period.

[September 4, 2008]

Monitoring and Recordkeeping Requirements

5.6 Operating Limit Monitoring

The permittee shall monitor and record the total hours of operation for each individual diesel-fired IC engine listed in Permit Condition 5.5 on a monthly basis. The monthly operating hours for each diesel-fired IC engine shall be summed for each consecutive 12-month period to establish compliance with the operation limitation specified by Permit Condition 5.5.

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Location:	Moscow, Idaho	

6. 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.
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. 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;
 - b. A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

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- 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.

[IDAPA 58.01.01.322.15.h, 5/1/94; 40 CFR 70.6(a)(5)]