



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

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

June 2, 2009

Certified Mail No. 7190 0596 0014 0000 6428

Wayne Clark
Assistant Director, Physical Facilities
Brigham Young University – Idaho
525 South Center Street
Rexburg, Idaho 83460-8205

RE: Facility ID No. 065-00011, Brigham Young University – Idaho, Rexburg
Final Permit Letter

Dear Mr. Clark:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct and Tier II Operating Permit (PTC/T2) No. T2-2009.0031 to Brigham Young University – Idaho for a PTC/T2 permit renewal, an increase in coal fuel combustion and sulfur content limits, the addition of the 5 kW Radio Tower Generator, the addition of the 350 kW Smith Building Generator, and the operation of three spray paint booths and welding operations at the university in Rexburg, in accordance with IDAPA 58.01.01.200 through 228 and 58.01.01.400 through 406 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on March 9, 2009. This permit is effective immediately and replaces T2/PTC No. P-060500, issued on February 12, 2007, the terms and conditions of which no longer apply. This permit does not release Brigham Young University – Idaho 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 Idaho Falls Regional Office, 900 N. Skyline, Suite B, Idaho Falls, ID 83402, Fax (208) 528-2695.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Maria Miles, Air Quality Analyst, at (208) 528-2650 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: 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 Morrie Lewis at (208) 373-0502 or Morrie.Lewis@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, with a large initial "M" and "S".

Mike Simon
Stationary Source Program Manager
Air Quality Division

MSML\hp

Project No. T2-2009.0031

Enclosure



**Air Quality
PERMIT TO CONSTRUCT
and
TIER II OPERATING PERMIT**

**State of Idaho
Department of Environmental Quality**

PERMIT No.: T2-2009.0031
FACILITY ID No.: 065-00011
AQCR: 61 **CLASS:** SM80 **ZONE:** 12
SIC: 8222 **NAICS:** 611210
UTM COORDINATE (km): 437.0 , 4850.0

1. PERMITTEE

Brigham Young University – Idaho

2. PROJECT

Permit to construct and Tier II operating permit – renewal and modification to increase coal combustion and coal sulfur content, and to add emergency generators, spray paint booths, and welding operations

3. MAILING ADDRESS

525 S. Center

CITY

Rexburg

STATE

ID

ZIP

83460-8205

4. FACILITY CONTACT

Wayne N. Clark

TITLE

Assistant Director,
Physical Facilities

TELEPHONE

(208) 496-2456

5. RESPONSIBLE OFFICIAL

Wayne N. Clark

TITLE

Assistant Director,
Physical Facilities

TELEPHONE

(208) 496-2456

6. EXACT PLANT LOCATION

Corner of 4th South and 1st West, Rexburg, Idaho

COUNTY

Madison

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

University

8. PERMIT AUTHORITY

This permit to construct and Tier II operating permit is issued according to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200-228 and IDAPA 58.01.01.400-470, respectively. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit.

Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

The permit to construct conditions in 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 in the application and the Idaho Department of Environmental Quality’s (DEQ) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification.

Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 of the Rules for the Control of Air Pollution in Idaho.

MORRIE LEWIS, PERMIT WRITER

DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER

DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED:	June 2, 2009
DATE MODIFIED/REVISED:	
DATE EXPIRES:	June 2, 2014

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Acronyms, Units and Chemical Nomenclature

AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
BYU–Idaho	Brigham Young University–Idaho
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Idaho Department of Environmental Quality
EPA	Environmental Protection Agency
gr/dscf	grains (1 lb = 7,000 grains) per dry standard cubic foot
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometers
kW	kilowatts
lb/hr	pounds per hour
MMBtu/hr	million British thermal units per hour
MSDS	Material Safety Data Sheets
NAICS	North American Industry Classification System
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter of 10 micrometers or less
PTC/T2	permit to construct and Tier II operating permit
SIC	Standard Industrial Classification
SM	Synthetic Minor
SO ₂	sulfur dioxide
T/yr	tons per consecutive 12-calendar month period
UTM	Universal Transverse Mercator
VOC	volatile organic compounds

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031

Permittee: BYU-Idaho
Location: Rexburg, Idaho

Facility ID No. 065-00011

1. PERMIT SCOPE

Purpose

- 1.1 This permit to construct and Tier II operating permit (PTC/T2) is a renewal, and a modification to:
- Increase Boilers No. 2, 3, and 4 annual coal fuel combustion and coal sulfur content;
 - Replace Emergency Generator No. 480, located at the Smith Building;
 - Add Emergency Generator No. 408, located at the Radio Tower as a regulated emissions source;
 - Add the Physical Facilities #1 Spray Booth as a regulated emissions source;
 - Add the Physical Facilities #2 Spray Booth as a regulated emissions source;
 - Add the Austin Spray Booth as a regulated emissions source;
 - Add welding operations as regulated emissions sources.
- 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 permit replaces Tier II Operating Permit and Permit to Construct No. P-060500, issued on February 12, 2007, the terms and conditions of which shall no longer apply.

Regulated Sources

- 1.4 Table 1.1 identifies sources at the facility that do not require specific permit conditions to demonstrate compliance with applicable air quality standards.

Table 1.1 OTHER SOURCES

Welding laboratories and welding operations ¹
Laboratories (Fume Hoods)
No. 2 oil storage tanks (3) – 3000 gal each
Paved and Unpaved Roads

¹Welding operations in the Physical Facilities, HVAC, Fleet, and Drama areas performed as part of facility maintenance as defined in 40 CFR 63.11522.

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Permittee:	BYU-Idaho	Facility ID No. 065-00011
Location:	Rexburg, Idaho	

1.5 Table 1.2 lists all sources of regulated emissions in this permit in addition to Table 1.1.

Table 1.2 REGULATED EMISSION SOURCES

Permit Section	Source Description	Emissions Control(s)
3	Boiler No. 2, Erie City Iron Works Model 16792 H.S.B, stoker coal-fired, 26.7 MM Btu/hr, installed 1963	Multi-clone
3	Boiler No. 3, Union Iron Works Model 234-28, stoker coal-fired, 40 MM Btu/hr, installed 1966	Multi-clone
3	Boiler No. 4, Keeler Watertube MK, stoker coal-fired, 46.7 MM Btu/hr, installed 1973	Multi-clone
3	Boiler No. 5, Indeck/Volcano 02-40-X, gas and No.2 oil-fired (transition fuel), 51.0 MMBtu/hr on gas, 48.25 MMBtu/hr on oil, installed 2001	None
4	Emergency Generator AOE, Caterpillar Model 4Z03819, diesel-fired, 438 kW, located at Kimball Building, installed before 2004	None
4	Emergency Generator AIW, Generac 176919019, diesel-fired, 40 kW, located at Radio and Graphic Services Building, installed before 2004	None
4	Emergency Generator No. 401, Generac SD060 Model 5166180100, diesel-fired, 60 kW, located at Clarke Building, Building No. 6, installed before 2004	None
4	Emergency Generator No. 403, Onan Model DDA-15R/18796D, diesel-fired, 30 kW, located at Snow Performing Arts Center, Building No. 12, installed before 2004	None
4	Emergency Generator No. 404, Onan Model DVA-15R/29163A, diesel-fired, 50 kW, located at Romney Building, Building No. 5, installed before 2004	None
4	Emergency Generator No. 408, diesel-fired, 5 kW, located at Radio Tower, installed before 2004	None
4	Emergency Generator No. 410, Cummins Model DGBB 5007082, diesel-fired, 25 kW, located at Spori Building, Building No. 1, installed before 2004	None
4	Emergency Generator No. 411, Cummins Model DGGD 5632344, diesel-fired, 35 kW, located at Campus Substation asset #SUB, installed before 2004	None
4	Emergency Generator No. 412, Generac Model 3426670200, Type SD080, diesel-fired, 80 kW, located at Ricks Building, Building No. 21, installed before 2004	None
4	Emergency Generator No. 413, Cummins Model DGHE60, diesel-fired, 50 kW, located at Benson Building, Building No. 11, installed before 2004	None
4	Emergency Generator No. 423, Olympian Model D30P3, diesel-fired, 30 kW, located at Austin Building, Building No. 10, installed before 2004	None
4	Emergency Generator No. 429, Cummins Model NTA 855GS2, diesel-fired, 300 kW, located in Heating Plant, installed before 2004	None
4	Emergency Generator No. 431, Kohler 60ROZJ71, diesel-fired, 80 kW, located at the Library, Building No. 4, installed before 2004	None
4	Emergency Generator No. 434, Onan Model 30 DDA, diesel-fired, 30 kW, located in Physical Plant, Building 83, installed before 2004	None
4	Emergency Generator No. 442, Kohler 60ROZ5, diesel-fired, 60 kW, located at Manwaring Center, Building No. 7, installed before 2004	None
4	Emergency Generator 447, Cummins, diesel-fired, 250 kW, portable, installed before 2004	None
4	Emergency Generator No. 473, Kohler Model 20R0P81, diesel-fired, 20 kW, located at Kirkham Building, Building No. 3, installed before 2004	None
4	Emergency Generator No. 477, Generac, diesel-fired, 100 kW, located at Hart Building, Building No. 9, installed before 2004	None
4	Emergency Generator No. 479, Kohler Model 30R081, diesel-fired, 30 kW, located at Auxiliary Services Building, Building No. 90, installed before 2004	None
4	Emergency Generator No. 480, Cummins Model QSX15-G9 Nonroad 2, diesel-fired, 350 kW, located at Smith Building, Building No. 8, installed 2008	None
5	Ash handling system	Baghouse
6	Physical Facilities #1 Spray Booth, Graco Model 220955 Airless spray gun, 5 gal/hr capacity	Pre-filter and filter system
6	Physical Facilities #2 Spray Booth, Graco Model 395 Airless spray gun, 5 gal/hr capacity	Pre-filter and filter system
6	Austin Spray Booth, Campbell Housefield, HVLP spray gun, 1.5 gal/hr capacity	Pre-filter and filter system

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031**Permittee:** BYU-Idaho**Location:** Rexburg, Idaho**Facility ID No.** 065-00011**2. FACILITY-WIDE CONDITIONS*****Fugitive Dust***

- 2.1 All reasonable precautions shall be taken to prevent particulate matter (PM) from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, consideration will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:
- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
 - Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
 - Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
 - Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
 - Paving of roadways and their maintenance in a clean condition, where practical.
 - Prompt removal of earth or other stored material from streets, where practical.
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (e.g., water, chemical dust suppressants) to reasonably control fugitive emissions.
- 2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- 2.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

Visible Emissions

- 2.5 The permittee shall not discharge any air pollutant to 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 determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, NO_x, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031**Permittee:** BYU-Idaho**Location:** Rexburg, Idaho**Facility ID No.** 065-00011

- 2.6 The permittee shall conduct a quarterly facility-wide 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 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.

Odors

- 2.7 The permittee shall not allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
- 2.8 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

Open Burning

- 2.9 The permittee shall comply with the *Rules for Control of Open Burning*, IDAPA 58.01.01.600-623.

[06/01/09]

Fuel-burning Equipment

- 2.10 The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen by volume for gas, 0.050 gr/dscf of effluent gas corrected to 3% oxygen by volume for liquid fuel or 0.100 gr/dscf of effluent gas corrected to 8% oxygen for coal.

Sulfur Content

- 2.11 The permittee shall not sell, distribute, use, or make available for use any fuel oil containing more than the following percentages of sulfur:
- ASTM Grade 1 fuel oil - 0.3% by weight.
 - ASTM Grade 2 fuel oil - 0.5% by weight.
 - ASTM Grade 4, 5, and 6 fuel oils – 1.75% by weight.

The permittee shall comply with the requirements of Permit Conditions 3.9 and 4.5 to ensure compliance with this requirement.

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031

Permittee:	BYU-Idaho	Facility ID No. 065-00011
Location:	Rexburg, Idaho	

2.12 The permittee shall not sell, distribute, use, or make available for use, any coal containing greater than 1.0% sulfur by weight. The permittee shall comply with the requirements of Permit Condition 3.9 to ensure compliance with this requirement. [06/01/09]

2.13 The permittee shall maintain documentation of supplier verification of fuel oil sulfur content and coal sulfur content as required by Permit Conditions 3.10, 3.11, and 4.10 to ensure compliance with Permit Conditions 2.11 and 2.12. [06/01/09]

Reports

2.14 Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall be submitted to:

Air Quality Permit Compliance
 Department of Environmental Quality
 Idaho Falls Regional Office
 900 N. Skyline, Suite B
 Idaho Falls, Idaho 83402

NSPS General Provisions

2.15 NSPS 40 CFR 60, Subpart A – General Provisions

The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart A – General Provisions in accordance with 40 CFR 60.1 and 40 CFR 60.4218. A summary of requirements for affected facilities is provided in Table 2.1.

[06/01/09]

Table 2.1 NSPS 40 CFR 60, Subpart A – Summary of General Provisions for Owners and Operators of Affected Facilities

Section	Subject	Summary of Section Requirements															
60.4	Address	<ul style="list-style-type: none"> • <u>All requests, reports, applications, submittals, and other communications associated with 40 CFR 60, Subpart Dc shall be submitted to:</u> Idaho Falls Regional Office Department of Environmental Quality 900 N. Skyline, Suite B Idaho Falls, ID 83402 • <u>All requests, reports, applications, submittals, and other communications associated with 40 CFR 60, Subpart A and Subpart III shall be submitted to:</u> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Director Air and Waste</td> <td style="width: 10%; text-align: center;">and</td> <td style="width: 40%;">Idaho Falls Regional Office</td> </tr> <tr> <td>EPA Region X</td> <td></td> <td>Department of Environmental Quality</td> </tr> <tr> <td>1200 Sixth Avenue</td> <td></td> <td>900 N. Skyline, Suite B</td> </tr> <tr> <td>OAQ-107</td> <td></td> <td>Idaho Falls, ID 83402</td> </tr> <tr> <td>Seattle, WA 98101</td> <td></td> <td></td> </tr> </table> 	Director Air and Waste	and	Idaho Falls Regional Office	EPA Region X		Department of Environmental Quality	1200 Sixth Avenue		900 N. Skyline, Suite B	OAQ-107		Idaho Falls, ID 83402	Seattle, WA 98101		
Director Air and Waste	and	Idaho Falls Regional Office															
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AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031

Permittee: BYU-Idaho
Location: Rexburg, Idaho

Facility ID No. 065-00011

Section	Subject	Summary of Section Requirements
60.7(a),(b), and (f)	Notification and Recordkeeping	<ul style="list-style-type: none"> • Notification shall be furnished of commencement of construction postmarked no later than 30 days of such date. • Notification shall be furnished of initial startup postmarked within 15 days of such date. • Notification shall be furnished of any physical or operational change that may increase emissions postmarked 60 days before the change is made. • Records shall be maintained of the occurrence and duration of any startup, shutdown or malfunction; any malfunction of the air pollution control equipment; or any periods during which a CMS or monitoring device is inoperative. • Records shall be maintained, in a permanent form suitable for inspection, of all measurements, performance testing measurements, calibration checks, adjustments and maintenance performed, and other required information. Records shall be maintained for a period of two years following the date of such measurements, maintenance, reports, and records.
60.8	Performance Tests	<ul style="list-style-type: none"> • At least 30 days prior notice of any performance test shall be provided to afford the opportunity to have an observer to be present. • Within 60 days of achieving the maximum production rate, but not later 180 days after initial startup, performance test(s) shall be conducted and a written report of the results of such test(s) furnished. • Performance testing facilities shall be provided as follows: <ul style="list-style-type: none"> Sampling ports adequate for test methods applicable to such facility. Safe sampling platform(s). Safe access to sampling platform(s). Utilities for sampling and testing equipment. • Performance tests shall be conducted and data reduced in accordance with 40 CFR 60.8(b), (c), and (f).
60.11(a), (d), (f), and (g)	Compliance with Standards and Maintenance Requirements	<ul style="list-style-type: none"> • When performance tests are required, compliance with standards is determined by methods and procedures established by 40 CFR 60.8. • At all times, including periods of startup, shutdown, and malfunction, the owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. • For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
60.11(b), (c), and (e)	Compliance with Standards and Maintenance Requirements (Opacity)	<ul style="list-style-type: none"> • Compliance with opacity standards shall be determined by Method 9 in Appendix A of 40 CFR 60. The permittee may elect to use COM measurements in lieu of Method 9, provided notification is made at least 30 days before the performance test. • The opacity standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided. • Opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR 60.8 in accordance with the requirements and exceptions in 40 CFR 60.11(e).
60.12	Circumvention	<ul style="list-style-type: none"> • No permittee shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard.
60.14	Modification	<ul style="list-style-type: none"> • A physical or operational change which results in an increase in the emission rate to the atmosphere or any pollutant to which a standard applies shall be considered a modification, and upon modification an existing facility shall become an affected facility in accordance with the requirements and exemptions in 40 CFR 60.14. • Within 180 days of the completion of any physical or operational change, compliance with all applicable standards must be achieved.
60.15	Reconstruction	<ul style="list-style-type: none"> • An existing facility, upon reconstruction, becomes an affected facility, irrespective of any change in emission rate in accordance with the requirements of 40 CFR 60.15.

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031

Permittee: BYU-Idaho

Location: Rexburg, Idaho

Facility ID No. 065-00011

Incorporation of Federal Requirements by Reference

2.16 Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 shall constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- Standards of Performance for New Stationary Sources (NSPS), 40 CFR Part 60

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS or NESHAP), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document shall govern, including any amendments to that regulation.

[06/01/09]

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Permittee:	BYU-Idaho	Facility ID No. 065-00011
Location:	Rexburg, Idaho	

3. BOILERS

3.1 Boiler Process Description

The central heating plant boilers provide a continuous steam flow through buried steam lines to all of the major buildings on campus. The primary purpose of the boilers is to generate steam for space heating on campus, but steam is also used for some sidewalk snow melting, steam kettle cooking in the Student Center kitchen, building humidification, domestic water and swimming pool heating, and autoclave sterilization in the Health Unit.

3.2 Boiler Control Description

The PM emissions from coal-fired Boilers No. 2 - No. 4 are controlled by multiclones. No controls are provided for emissions from the multi-fuel (natural gas and distillate fuel oil) Boiler No. 5.

Emissions Limits

3.3 Emissions Limits

Emissions of PM₁₀ and SO₂ from the boilers shall not exceed any corresponding emissions rate limits listed in Table 3.1.

Table 3.1 BOILERS EMISSIONS LIMITS^a

Source Description	PM ₁₀ ^b		SO ₂	
	lb/hr ^c	T/yr ^d	lb/hr ^c	T/yr ^d
Boiler No. 2	4.64	4.95	33.60	97.65 ^e
Boiler No. 3	5.50	5.78	50.40	
Boiler No. 4	8.91	9.48	58.80	
Boiler No. 5	0.40	1.51	6.67	0.90

^a In the absence of any other credible evidence, compliance is assured by complying with the operating, monitoring, and recordkeeping requirements of this permit.

^b Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.80.

^c Pounds per hour as determined by a test method prescribed by IDAPA 58.01.01.157 or DEQ approved alternative.

^d Tons per consecutive 12-calendar month period.

^e The SO₂ emissions from Boilers No. 2, No. 3, and No. 4 combined shall not exceed 97.65 tons per any consecutive 12-calendar month period.

[06/01/09]

3.4 NSPS 40 CFR 60, Subpart Dc – Visible Emissions, Boiler No. 5

On and after the date on which the initial performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, no owner or operator of an affected facility (in this case, Boiler No. 5) that combusts oil and has a heat capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity. This requirement applies at all times, except during startup, shutdown, or malfunction.

Operating Requirements

3.5 Boiler Nos. 2, 3, and 4 Coal Combustion

Total annual tons of coal combusted in Boiler Nos. 2, 3, and 4, combined, shall not exceed 9,300 T/yr in any consecutive 12-calendar month period, on a dry weight basis.

[06/01/09]

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3.6 Boiler No. 5 Fuel and Operating Hours

- Fuel burned in Boiler No. 5 shall be ASTM Grade No. 1 or No. 2 fuel oil, a mixture of No. 1 and No. 2 fuel oil, or natural gas, exclusively.
- For any day when Boilers No. 2, 3, and 4 are operated, Boiler No. 5 operations on fuel oil shall not exceed 12 hours per day.
- Boiler No. 5 operations on fuel oil shall not exceed 400 hours in any consecutive 12-month period.

3.7 Boiler Stack Height

The stack height for Boilers No. 2, No. 3, and No. 4 (if being operated) shall be a minimum of 80 feet above grade level.

3.8 Pressure Drops Across the Control Equipment

The pressure drop across each of the control equipment of Boilers No. 2, No. 3, and No. 4 shall be maintained within manufacturer specifications. Documentation of manufacturer pressure drop specifications shall be kept onsite and shall be made available to DEQ representatives upon request.

3.9 Fuel Sulfur Content

- The sulfur content of coal combusted shall not exceed 0.72% by weight on a dry weight basis.
- The sulfur content of distillate fuel oil combusted in Boiler No. 5 shall not exceed 0.05% by weight on an as-received basis.

[06/01/09]

Monitoring and Recordkeeping Requirements

3.10 Boiler No. 5 Operation on Distillate Fuel Oil

- For each shipment of fuel oil received, the permittee shall obtain and maintain at the facility fuel receipts from the fuel supplier, which shall include the name of the supplier and a certification from the fuel oil supplier that the fuel oil—or for fuel oil mixtures, that each component of the fuel oil mixture—complies with ASTM specifications for No. 1 or No. 2 fuel oil, and the fuel sulfur content limit specified in Permit Condition 3.9.
- The permittee shall monitor and record the daily (for any day that the boiler is operated), monthly, and annual number of hours that Boiler No. 5 operates on fuel oil. Annual hours shall be determined by summing each monthly total over the previous consecutive 12-month period.

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3.11 Coal Combusted

- For each shipment of coal received, the permittee shall either obtain samples and a laboratory analysis, or obtain and maintain at the facility fuel receipts from the fuel supplier, which demonstrate that each shipment of coal received complies with the fuel sulfur content limit specified in Permit Condition 3.9.
- The permittee shall monitor and record the annual tons of coal combusted in Boiler Nos. 2, 3, and 4, combined on a monthly basis to demonstrate compliance with Permit Condition 3.5. Annual tons of coal combusted shall be determined by summing each monthly total on a dry weight basis over the previous consecutive 12-calendar month period, using the following equation:

$$T_{total} = \sum_{i=1}^n T_i$$

where:

T_{total} = annual tons of coal combusted in Boilers No. 2, 3, and 4; in tons per consecutive 12-calendar month period; on a dry weight basis (T/yr).

n = total number of coal shipments combusted over the consecutive 12-calendar month period.

T_i = tons of each coal shipment i combusted over the previous consecutive 12-calendar month period, on a dry weight basis (T/yr).

[06/01/09]

3.12 Coal SO₂ Emissions

The permittee shall monitor and record the combined annual SO₂ emissions from Boilers No. 2, 3, and 4 on a monthly basis to demonstrate compliance with the combined annual SO₂ emissions limit for Boilers No. 2, No. 3, and No. 4 in Permit Condition 3.3. Annual SO₂ emissions shall be determined by summing each monthly total over the previous consecutive 12-calendar month period, using the following equation:

$$SO_2 = \sum_{i=1}^n \frac{35 * S_i * T_i}{2000}$$

where:

SO_2 = annual emissions of SO₂ from Boilers No. 2, 3, and 4; in tons per consecutive 12-calendar month period (T/yr).

n = total number of coal shipments combusted over the previous consecutive 12-calendar month period.

S_i = sulfur content in weight percent of each coal shipment i , on a dry weight basis, as required by Permit Condition 3.11.

T_i = tons of each coal shipment i combusted over the previous consecutive 12-calendar month period, on a dry weight basis (T/yr).

[06/01/09]

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The permittee shall monitor and record the pressure drop across each of the control equipment of Boilers No. 2, No. 3, and No. 4, once on a weekly basis.

Performance Testing Requirements**3.14 Coal Boiler Performance Tests**

The permittee shall conduct performance tests on Boilers No. 2, No. 3, and No. 4 to measure the PM emission rates in grains per dry standard cubic feet and the PM₁₀ emission rates in pounds per hour to demonstrate compliance with the PM and PM₁₀ emission limits in Permit Conditions 2.10 and 3.3. PM and PM₁₀ performance testing shall be performed concurrently. The permittee is encouraged to submit a source testing protocol for approval 30 days prior to conducting the performance tests.

The permittee shall test in accordance with IDAPA 58.01.01.157 and the conditions of this permit, including Permit Condition 3.15 and General Provision 6. Boilers shall be operated at or above 80% of maximum capacity during the source test period.

Performance testing on each of the coal boilers shall be performed according to the following schedule:

- If the PM₁₀ emission rate measured during the previous performance test is less than or equal to 75% of the PM₁₀ emission rate listed in Permit Condition 3.3, and the PM grain loading measured during the previous performance test is less than or equal to 75% of the PM grain loading emission standard listed in Permit Condition 2.10, subsequent performance testing is required to be conducted within the next five years.
- If the PM₁₀ emission rate measured during the previous performance test is greater than 75% but less than or equal to 90% of the PM₁₀ emission rate listed in Permit Condition 3.3, or the PM grain loading measured during the previous performance test is greater than 75% but less than or equal to 90% of the PM grain loading emission standard listed in Permit Condition 2.10, subsequent performance testing is required to be conducted within three years.
- If the PM₁₀ emission rate measured during the previous performance test is greater than 90% of the PM₁₀ emission rate listed in Permit Condition 3.3, or the PM grain loading measured during the previous performance test is greater than 90% of the PM grain loading emission standard listed in Permit Condition 2.10, subsequent performance testing is required to be conducted within the next 12 months.

[06/01/09]**3.15 Coal Boiler Performance Test**

During each performance test, the permittee shall monitor and record the following process information:

- The ash content and sulfur content of the coal on a dry weight basis,
- The steaming rate of the boiler in pounds per hour,
- The amount of coal consumed in each boiler during the test,
- The pressure drop across the multiclone, and
- The opacity at the boiler stack. Opacity shall be determined using a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625.

[06/01/09]

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The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7. This notification shall include:

- The design heat input capacity of the affected facility and identification of the fuels to be combusted in the affected facility,
- If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c or 43c, and
- The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

3.17 NSPS 40 CFR 60, Subpart Dc – Report for Boiler No.5

The permittee shall submit an annual-calendar-year report to DEQ no later than 30 days after the end of the calendar year. The report shall include:

- The calendar dates covered in the reporting period.
- Records of fuel supplier certification containing 1) the name of the oil supplier and 2) a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c. The report shall include a statement signed by the permittee that the records of fuel supplier certifications submitted represent all the fuel oil combusted during the period.
- Each 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period, reasons for any noncompliance with the fuel sulfur standard, and a description of the corrective actions taken.

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4. EMERGENCY GENERATORS**4.1 Process Description**

The primary purpose of the emergency generators is to generate electricity in the event of a power interruption. Emergency Generator No. 480, located at the Smith Building, is subject to the requirements of 40 CFR 60, Subpart IIII – New Source Performance Standards for Compression Ignition Internal Combustion Engines.

Emissions Limits**4.2 NSPS 40 CFR 60, Subpart IIII – Emissions Standards for Owners and Operators**

- The permittee shall operate and maintain the emergency generator according to the manufacturer's written instructions or procedures that are approved by the engine manufacturer, over the entire life of the engine, in accordance with 40 CFR 60.4206.
- The permittee shall comply with the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants, in accordance with 40 CFR 60.4205(b) and 40 CFR 60.4202(a)(2).
 - Exhaust emissions from the emergency generator shall not exceed the applicable exhaust emission standards contained in Table 4.1, in accordance with 40 CFR 89.112.

Table 4.1 NSPS EMERGENCY GENERATOR EXHAUST EMISSIONS LIMITS¹

NMHC+NO _x (g/HP-hr)	CO (g/HP-hr)	PM (g/HP-hr)
4.77	2.61	0.15

1) Table 1 of 40 CFR 89.112, Tier 2 engines greater than 560 kW.

- Exhaust opacity from the emergency generator shall not exceed 20 percent during the acceleration mode, 15 percent during the lugging mode, and 50 percent during the peaks in either the acceleration or lugging modes, in accordance with 40 CFR 89.113. Opacity levels are to be measured and calculated as set forth in 40 CFR part 86, subpart I.

[06/01/09]***Operating Requirements*****4.3 Generator Operating Hours**

The operation of each emergency diesel generator shall not exceed a maximum of 3 hours in any 24-hour period and shall be less than 500 hours in any consecutive 12-calendar month period.

4.4 Generator Fuel

- Fuel burned in any emergency generator shall be ASTM Grade No. 1 or No. 2 distillate fuel oil, or a mixture of No. 1 and No. 2 fuel oil, exclusively.
- The permittee shall not allow burning waste oil (used oil), gasoline, or refined gasoline in any emergency generator.

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- The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(a), with a maximum sulfur content of 500 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, in accordance with 40 CFR 60.4207(a).
- Beginning October 1, 2010, the permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b), with a maximum sulfur content of 15 ppm, and a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent, in accordance with 40 CFR 60.4207(b).

[06/01/09]**4.6 NSPS 40 CFR 60, Subpart III – Compliance Requirements**

- Maintenance checks and readiness testing of the emergency generator is limited to 100 hours per year, in accordance with 40 CFR 60.4211(e). There is no time limit on the use of the emergency generator in emergency situations. The emergency generator may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine.
- Any operation other than emergency operation, maintenance, and testing is prohibited in accordance with 40 CFR 60.4211(e). Anyone may petition EPA for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year.
- The permittee shall operate and maintain the emergency generator according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, in accordance with 60.4211(a). In addition, the permittee shall only change those settings that are permitted by the manufacturer. The owner or operator must also meet the requirements of 40 CFR 89, 94, and/or 1068, as they apply.
- The emergency generator purchased by the permittee shall be certified to the applicable emission standard in 40 CFR 60.4205(b) for the same model year and maximum engine power, and shall be installed and configured according to the manufacturer's specifications, in accordance with 40 CFR 60.4211(c).

[06/01/09]**4.7 NSPS 40 CFR 60, Subpart III – Testing Requirements**

Owners and operators who conduct performance tests must do so according to the paragraphs of 40 CFR 60.4212 (a) through (d), in accordance with 40 CFR 60.4212.

[06/01/09]**4.8 NSPS 40 CFR 60, Subpart III – Other Requirements**

- The permittee shall comply with the deadlines for importing and installing an emergency generator produced in a previous model year, in accordance with 40 CFR 60.4208 (a) through (g).
- The permittee shall install a non-resettable hour meter prior to startup of the emergency generator, in accordance with 40 CFR 60.4209(a).

[06/01/09]

AIR QUALITY PERMIT TO CONSTRUCT AND TIER II OPERATING PERMIT NO. T2-2009.0031**Permittee:** BYU-Idaho**Location:** Rexburg, Idaho**Facility ID No.** 065-00011***Monitoring and Recordkeeping Requirements*****4.9 Generator Hours of Operations**

The permittee shall monitor and record the following information on a monthly basis to demonstrate compliance with Permit Conditions 4.3 and 4.6. Records of this information shall be maintained in accordance with General Provision 7.

- For each day that an emergency generator is operated, the date and the number of hours of operation for each emergency generator.
- For each day that an emergency generator is operated, the reason for the operation of each emergency generator.
- For each month that an emergency generator is operated, the consecutive 12-calendar month number of hours of operation for each emergency generator, calculated as a rolling 12-calendar month average.

[06/01/09]**4.10 Fuel Sulfur Content**

The permittee shall maintain documentation of supplier verification of the fuel oil sulfur content on an as-received basis for every shipment, to demonstrate compliance with Permit Conditions 2.11 and 4.5.

[06/01/09]***Reporting Requirements*****4.11 NSPS 40 CFR 60, Subpart A – General Provisions**

The permittee shall comply with the applicable requirements of 40 CFR 60, Subpart A – General Provisions in accordance with 40 CFR 60.1 and 40 CFR 60.4218. A summary of requirements for affected facilities is provided in Table 2.1 in Permit Condition 2.15.

[06/01/09]

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5. ASH HANDLING SYSTEM

5.1 Process Description

The primary purpose of the ash handling system is to transport and remove coal ash generated by Boilers No. 2, No. 3, and No. 4.

5.2 Control Description

The PM emissions are controlled by a baghouse.

Emission Limits

5.3 Emission Limits

PM₁₀ emissions from the ash handling system shall not exceed 1.0 lb/hr and 0.37 T/yr.

Operating Requirements

5.4 Pressure Drop Across the Control Equipment

The pressure drop across the ash handling system baghouse equipment shall be maintained within manufacturer specifications. Documentation of the manufacturer pressure drop specifications shall remain onsite and shall be made available to DEQ representatives upon request.

5.5 Pressure Drop Measurement Equipment

The permittee shall install, calibrate, maintain, and operate pressure drop monitoring equipment to continuously measure the pressure drop across the ash handling system control equipment to determine compliance with Permit Condition 5.4.

Monitoring and Recordkeeping Requirements

5.6 Pressure Drop Across the Control Equipment

The permittee shall monitor and record the pressure drop across the Ash Handling System baghouse once on a weekly basis to ensure compliance with Permit Condition 5.4.

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6. COATING OPERATIONS**6.1 Process Description**

Coating operations are performed at the Physical Facilities #1 Spray Booth, the Physical Facilities #2 Spray Booth, and the Austin Spray Booth at BYU-Idaho as part of facility maintenance as defined in 40 CFR 63.11180.

Emissions Limits**6.2 Emissions Limits**

Emissions of VOC from the coating operations shall not exceed any corresponding emissions rate limits listed in Table 6.1.

Table 6.1 COATING OPERATIONS EMISSIONS LIMITS¹

Source Description	VOC T/yr ²
Physical Facilities #2 Spray Booth	0.66
Austin Spray Booth	0.27

¹ In the absence of any other credible evidence, compliance is assured by complying with the operating, monitoring, and recordkeeping requirements of this permit.

² Tons per consecutive 12-calendar month period.

[06/01/09]

Operating Requirements**6.3 Coating Material Usage Rates**

Coating material usage rates at the facility shall not exceed the usage rates listed in Table 6.2, to demonstrate compliance with Permit Condition 6.2 and in accordance with IDAPA 58.01.01.210.08.c.

Table 6.2 COATING MATERIAL USAGE LIMITS¹

Location	Coating Materials	Material Usage Rate gal/yr ²
Physical Facilities #2 Spray Booth	Duracat-v vinyl lacquer semi-gloss	500
Austin Spray Booth	Duracat-v vinyl lacquer semi-gloss	300

¹ Changes in coating materials or coating material formulations at the facility may require a permit to construct in accordance with IDAPA 58.01.01.201 unless a source is exempted in accordance with the procedures of IDAPA 58.01.01.220-223.

² Gallons per consecutive 12-calendar month period.

[06/01/09]

Monitoring and Recordkeeping Requirements**6.4 Coating Material Usage Rates**

The permittee shall collect and maintain records of the following information to demonstrate compliance with Permit Condition 6.3. The permittee shall perform the required calculations on a monthly basis, using data from the previous 12 consecutive months of operation.

- The name and volume of each coating material used, in gallons per month.
- The total of all coating materials used, in gallons per consecutive 12 calendar month period. The total shall be calculated as a rolling 12 calendar month usage rate, and determined on a monthly basis.

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- For each product used in a coating material, the permittee shall collect and maintain a current copy of the information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or MSDS. This shall include, but not be limited to:
 - The manufacturer name and product number.
 - The mass fraction of each toxic air pollutant (TAP), in percent by weight.
 - The mass fraction of each hazardous air pollutant (HAP), in percent by weight.
 - The mass fraction of volatile organic compounds (VOC), in percent by weight.
 - The density, in pounds per gallon.
 - The mass fraction of solids, in percent by weight.

[06/01/09]

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7. SUMMARY OF EMISSION RATE LIMITS

The following tables provide a summary of all emission rate limits required by this permit.

Table 7.1 SUMMARY OF ALL EMISSION RATE LIMITS (EXCEPT NSPS EMERGENCY GENERATOR) ¹

Source Description	PM ₁₀ ²		SO ₂		VOC
	lb/hr ³	T/yr ⁴	lb/hr ³	T/yr ⁴	T/yr ⁴
Boiler No. 2	4.64	4.95	33.60	97.65	
Boiler No. 3	5.50	5.78	50.40		
Boiler No. 4	8.91	9.48	58.80		
Boiler No. 5	0.40	1.51	6.67	0.90	
Ash Handling System	1.00	0.37			
Physical Facilities #2 Spray Booth					0.66
Austin Spray Booth					0.27

¹ In the absence of any other credible evidence, compliance is assured by complying with the operating, monitoring, and recordkeeping requirements of this permit.

² Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.80.

³ Pounds per hour as determined by a test method prescribed by IDAPA 58.01.01.157 or DEQ approved alternative.

⁴ Tons per consecutive 12-calendar month period.

Table 7.2 SUMMARY OF NSPS EMERGENCY GENERATOR EMISSION RATE LIMITS¹

NMHC+NO _x (g/HP-hr)	CO (g/HP-hr)	PM (g/HP-hr)
4.77	2.61	0.15

[06/01/09]

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8. PERMIT TO CONSTRUCT AND TIER II PERMIT TO OPERATE 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.

[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;
 - 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;

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- 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]

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]

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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]

Expiration and Renewal

12. This permit shall be renewable on the expiration date, provided the permittee submits an application for renewal to the Department and continues to meet all terms and conditions contained in the permit. The expiration of this permit will not affect the operation of the stationary source or facility during the administrative procedure period associated with the permit renewal process.

[IDAPA 58.01.01.209.04, 7/1/02]

Transferability

13. This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06 and 404.05.

[IDAPA 58.01.01.209.06, 404.05, 4/11/06]

Severability

14. 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)]