



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

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

March 7, 2011

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

Ken Leier  
Regional Director, Pipeline Operations and Maintenance  
TransCanada GTN System – Compressor Station #4 (Samuels)  
201 W. North River Dr.  
Suite 505  
Spokane, Washington 99201

RE: Facility ID No. 017-00037, TransCanada Compressor Station #4, Samuels  
Final Tier I Operating Permit Letter

Dear Mr. Leier:

The Department of Environmental Quality (DEQ) is issuing Tier I Operating Permit No. TI-2010.0100 PROJ 60554 to TransCanada Compressor Station #4 at Samuels in accordance with IDAPA 58.01.01.300 through 386, Rules for the Control of Air Pollution in Idaho (Rules).

The enclosed permit is effective immediately, summarizes the applicable requirements for your facility, and requires an annual compliance certification for all emissions units. This permit replaces Tier I Operating Permit No. T1-2009.0048 PROJ 60539, September 15, 2010. The enclosed operating permit is based on the information contained in your permit application received on August 11, 2010. Modifications to and/or renewal of this operating permit shall be requested in a timely manner in accordance with the Rules.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Almer Casile, Air Quality Analyst, at 208-769-1422 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 call Eric Clark at 208 373-0502 or [Eric.Clark@deq.idaho.gov](mailto:Eric.Clark@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".

Mike Simon  
Stationary Source Program Manager  
Air Quality Division

MS/EC

Permit No. T1-2010.0100 PROJ 60554



**Air Quality  
TIER I OPERATING PERMIT**

State of Idaho  
Department of Environmental Quality

**PERMIT No.:** T1-2010.0100  
**FACILITY ID No.:** 017-00037  
**AQCR:** 63      **CLASS:** A      **ZONE:** 11  
**SIC:** 4922      **NAICS:** 486210  
**UTM COORDINATE (km):** 538.1, 5364.6

**1. PERMITTEE**

TransCanada GTN System –Compressor Station No. 4 (Samuels)

**2. PROJECT**

Project # 60554 Tier 1 Compressor Station Permit Renewal

**3. MAILING ADDRESS**

201 W. North River Dr., Suite 505

**CITY**

Spokane

**STATE**

WA

**ZIP**

99201

**4. FACILITY CONTACT**

Stan Berry

**TITLE**

Environmental Compliance Specialist

**TELEPHONE**

(509) 533-2841

**5. RESPONSIBLE OFFICIAL**

Ken Leier

**TITLE**

Regional Director, Pipeline  
Operations and Maintenance

**TELEPHONE**

(503) 833-4210

**6. EXACT PLANT LOCATION**

237 Samuels Road, Samuels, ID 83864

**COUNTY**

Kootenai

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Natural gas pipeline compressor station

**8. PERMIT AUTHORITY**

This Tier I operating permit is issued pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.300 through 386. The permittee shall comply with the terms and conditions of this permit.

This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Idaho Department of Environmental Quality (DEQ) for the permitted source, unless the permittee emits toxic pollutants subject to state-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit.

The effective date of this permit is the date of signature by DEQ on the cover page.

ERIC CLARK, PERMIT WRITER  
DEPARTMENT OF ENVIRONMENTAL QUALITY

MIKE SIMON, STATIONARY SOURCE PROGRAM MANAGER  
DEPARTMENT OF ENVIRONMENTAL QUALITY

<b>DATE ISSUED:</b>	March 7, 2011
<b>DATE MODIFIED/AMENDED:</b>	
<b>DATE EXPIRES:</b>	March 7, 2016

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## Acronyms, Units, and Chemical Nomenclature

AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gpm	gallons per minute
gr	grain (1 lb = 7,000 grains)
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
km	kilometer
lb/hr	pounds per hour
m	meter(s)
MACT	Maximum Achievable Control Technology
$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
MMBtu	million British thermal units
NAICS	North American Industry Classification System
NESHAP	National Emission Standards for Hazardous Air Pollutants
$\text{NO}_2$	nitrogen dioxide
$\text{NO}_x$	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
$\text{PM}_{10}$	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
RICE	reciprocating internal combustion engine
scf	standard cubic feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SM	synthetic minor
$\text{SO}_2$	sulfur dioxide
$\text{SO}_x$	sulfur oxides
TAP	toxic air pollutant
T/yr	tons per year
U.S.C.	United States Code
UTM	Universal Transverse Mercator
VOC	volatile organic compound

# 1. TIER I OPERATING PERMIT SCOPE

## *Purpose*

1.1 This Tier I operating permit establishes facility-wide requirements in accordance with the Idaho State Implementation Plan control strategy and the Rules.

This is a Tier I Operating Permit Renewal. Two permit conditions (3.10 and 4.10) were updated at the permittee's request because NSPS, Subpart GG has been modified. Also, MACT, Subpart ZZZZ requirements were added due to the emergency generator located onsite.

1.2 This Tier I permit incorporates the following permit(s):

- Permit to Construct No. P-2007.0051, issued July 13, 2007
- Permit to Construct No. 017-00037, issued October 22, 1999

1.3 This Tier I operating permit supersedes the following permit(s):

- Tier I Operating Permit No. T1-2009.0048 Project 60539, September 15, 2010

## *Regulated Sources*

1.4 Table 1.1 lists all sources of emissions regulated in this Tier I operating permit.

Table 1.1 REGULATED SOURCES

Permit Section	Source Description	Emissions Control
3	Unit 4B-Solar Mars 100S Low NO <sub>x</sub> turbine	None
4	Unit 4C-Solar Mars T1400 Standard turbine	None
5	Unit 4A-Solar Titan 130S SoLoNO <sub>x</sub> <sup>TM</sup> turbine	None
6	Emergency Spark Ignition Engine	None

## 2. FACILITY-WIDE CONDITIONS

Table 2.1 contains a summary of requirements that apply generally to emissions units at the facility.

**Table 2.1 APPLICABLE REQUIREMENTS SUMMARY**

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirement References	Monitoring and Recordkeeping Requirements
2.1	Fugitive Dust	Reasonable Control	IDAPA 58.01.01.650-651	2.2, 2.3, 2.4, 2.11, 2.12
2.5	Odors	Reasonable Control	IDAPA 58.01.01.775-776	2.6, 2.11, 2.12
2.7	Visible emissions	20% opacity for no more than three minutes in any 60-minute period	IDAPA 58.01.01.625	2.8, 2.11, 2.12
2.9	Excess emissions	Compliance with IDAPA 58.01.01.130-136	IDAPA 58.01.01.130-136	2.9.1-2.9.5, 2.10, 2.11
2.11	Criteria air pollutants, opacity	Performance/Compliance testing	IDAPA 58.01.01.157	2.10, 2.11, 2.12
2.10	Air quality standards	EPA Reference Test Methods	IDAPA 58.01.01.157	2.10, 2.11, 2.12
2.13	Fuel-burning equipment	0.015 gr/dscf @ 3% O <sub>2</sub> , for gas 0.050 gr/dscf @ 3% O <sub>2</sub> , for liquid	IDAPA 58.01.01.677	2.11
2.14	Open burning	Compliance with IDAPA 58.01.01.600-616	IDAPA 58.01.01.600-616	2.11
2.15	Renovation and demolition	Compliance with 40 CFR 61, Subpart M	40 CFR 61, Subpart M	2.11
2.16	Chemical accident release provisions	Compliance with 40 CFR 68	40 CFR 68	2.11
2.17	Recycling and emissions reductions	Compliance with 40 CFR 82, Subpart F	40 CFR 82, Subpart F	2.11
2.18	NSPS	Compliance with applicable subparts	40 CFR 60	2.11
2.19	NESHAP	Compliance with applicable subparts	40 CFR 63	2.11

### *Fugitive Dust*

- 2.1** All reasonable precautions shall be taken to prevent PM from becoming airborne in accordance with IDAPA 58.01.01.650-651.
- [IDAPA 58.01.01.650-651, 3/30/07]**
- 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 dust emissions.
- [IDAPA 58.01.01.322.06, 07, 5/1/94]**
- 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.
- [IDAPA 58.01.01.322.06, 07, 5/1/94]**

- 2.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive dust emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive dust emissions are effective. If fugitive dust 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 dust 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 dust emissions, and the date the corrective action was taken.

[IDAPA 58.01.01.322.06, 07, 5/1/94]

#### *Odors*

- 2.5 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.

[IDAPA 58.01.01.775-776 (state only), 5/1/94]

- 2.6 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 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.

[IDAPA 58.01.01.322.06, 07 (state-only), 5/1/94]

#### *Visible Emissions*

- 2.7 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, nitrogen oxides, and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 4/5/00]

- 2.8 The permittee shall conduct a quarterly facility-wide inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. Sources that are monitored using a continuous opacity monitoring system (COMS) are not required to comply with this permit condition. The inspection shall consist of a see/no see evaluation for each potential source of visible emissions. If any visible emissions are present from any point of emission, the permittee shall either

a) take appropriate corrective action as expeditiously as practicable to eliminate the visible emissions. Within 24 hours of the initial see/no see evaluation and after the corrective action, the permittee shall conduct a see/no see evaluation of the emissions point in question. If the visible emissions are not eliminated, the permittee shall comply with b).

or

b) 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%, as measured using Method 9, 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 its annual compliance certification and in accordance with IDAPA 58.01.01.130-136.

The permittee shall maintain records of the results of each visible emission 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.

[IDAPA 58.01.01.322.06, 07, 5/1/94; IDAPA 58.01.01.322.08, 4/5/00]

### *Excess Emissions*

#### *Excess Emissions - General*

2.9 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions. The provisions of IDAPA 58.01.01.130-136 shall govern in the event of conflicts between Permit Condition 2.9 and the regulations of IDAPA 58.01.01.130-136.

2.9.1 The person responsible for or in charge of a facility during an excess emissions event shall, with all practicable speed, initiate and complete appropriate and reasonable action to correct the conditions causing the excess emissions event; to reduce the frequency of occurrence of such events; to minimize the amount by which the emission standard is exceeded; and shall, as provided below or upon request of DEQ, submit a full report of such occurrence, including a statement of all known causes, and of the scheduling and nature of the actions to be taken.

[IDAPA 58.01.01.132, 4/5/00]

#### *Excess Emissions – Startup, Shutdown, Scheduled Maintenance*

2.9.2 In all cases where startup, shutdown, or scheduled maintenance of any equipment or emission unit is expected to result or results in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.133.01(a) through (d), including, but not limited to, the following:

[IDAPA 58.01.01.133, 4/5/00]

- A prohibition of any scheduled startup, shutdown, or maintenance resulting in excess emissions shall occur during any period in which an Atmospheric Stagnation Advisory or a Wood Stove Curtailment Advisory has been declared by DEQ.

[IDAPA 58.01.01.133.01.a, 3/20/97]

- Notifying DEQ of the excess emissions event as soon as reasonably possible, but no later than two hours prior to, the start of the event, unless the owner or operator demonstrates to DEQ's satisfaction that a shorter advance notice was necessary.

[IDAPA 58.01.01.133.01.b, 4/5/00]

- The owner or operator of a source of excess emissions shall report and record the information required pursuant to Permit Conditions 2.9.4 and 2.9.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event due to startup, shutdown, or scheduled maintenance.

[IDAPA 58.01.01.133.01.c, 3/20/97]

*Excess Emissions – Upset, Breakdown, or Safety Measures*

2.9.3 In all cases where upset or breakdown of equipment or an emissions unit, or the initiation of safety measures, results or may result in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.134.01(a) and (b) and the following:

[IDAPA 58.01.01.134, 4/11/06]

2.9.3.1 For all equipment or emissions units from which excess emissions result during upset or breakdown conditions, or for other situations that may necessitate the implementation of safety measures which cause excess emissions, the facility owner or operator shall comply with the following:

[IDAPA 58.01.01.134.02, 4/5/00]

- The owner or operator shall immediately undertake all appropriate measures to reduce and, to the extent possible, eliminate excess emissions resulting from the event and to minimize the impact of such excess emissions on the ambient air quality and public health.

[IDAPA 58.01.01.134.02.a, 4/5/00]

- The owner or operator shall notify DEQ of any upset, breakdown, or safety event that results in excess emissions. Such notification shall identify the time, specific location, equipment or emissions unit involved, and (to the extent known) the cause(s) of the occurrence. The notification shall be given as soon as reasonably possible, but no later than 24 hours after the event, unless the owner or operator demonstrates to DEQ's satisfaction that the longer reporting period was necessary.

[IDAPA 58.01.01.134.02.b, 4/5/00]

- The owner or operator shall report and record the information required pursuant to Permit Conditions 2.9.4 and 2.9.5 and IDAPA 58.01.01.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.

[IDAPA 58.01.01.134.02.c, 3/20/97]

2.9.3.2 During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, DEQ may require the owner or operator to immediately reduce or cease operation of the equipment or emissions unit causing the period until such time as the condition causing the excess has been corrected or brought under control. Such action by DEQ shall be taken upon consideration of the factors listed in IDAPA 58.01.01.134.03 and after consultation with the facility owner or operator.

[IDAPA 58.01.01.134.03 4/5/00]

*Excess Emissions – Reporting and Recordkeeping*

2.9.4 A written report for each excess emissions event shall be submitted to DEQ by the owner or operator no later than 15 days after the beginning of such an event. Each report shall contain the information specified in IDAPA 58.01.01.135.02.

[IDAPA 58.01.01.135.01 and 02, 4/11/06]

2.9.5 The owner or operator shall maintain excess emissions records at the facility for the most recent five-calendar-year period. The excess emissions records shall be made available to DEQ upon request and shall include the information requested by IDAPA 58.01.01.136.03(a) and (b) as summarized in the following:

[IDAPA 58.01.01.136.01, 02, 3/20/97; IDAPA 58.01.01.136.03, 4/5/00]

- An excess emissions log book for each emissions unit or piece of equipment containing copies of all reports that have been submitted to DEQ pursuant to IDAPA 58.01.01.135 for the particular emissions unit or equipment; and

[IDAPA 58.01.01.136.03.a, 4/5/00]

- Copies of all startup, shutdown, and scheduled maintenance procedures and upset, breakdown, or safety preventative maintenance plans that have been developed by the owner or operator in accordance with IDAPA 58.01.01.133 and 134, and facility records as necessary to demonstrate compliance with such procedures and plans.

[IDAPA 58.01.01.136.03.b, 3/20/97]

### *Performance Testing*

2.10 If performance testing is required, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by DEQ approval. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests such testing not be performed on weekends or state holidays.

All 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, prior to conducting any performance test, the permittee is encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:

- The type of method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

Unless a longer time is approved by DEQ, the permittee shall submit a compliance test report for the respective test to DEQ within 30 days following the date in which a compliance test required by this permit is concluded. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following address:

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

[IDAPA 58.01.01.157, 4/5/00; IDAPA 58.01.01.322.06, 08.a, 09, 5/1/94]

### *Monitoring and Recordkeeping*

- 2.11** The permittee shall maintain sufficient records to assure compliance with all of the terms and conditions of this operating 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, 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 58.01.01.322.07, 5/1/94]

### *Reports and Certifications*

- 2.12** All periodic reports and certifications required by this permit shall be submitted to DEQ within 30 days of the end of each specified reporting period. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notifications shall be submitted to:

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

The periodic compliance certification required by General Provision 21 shall also be submitted within 30 days of the end of the specified reporting period to:

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

[IDAPA 58.01.01.322.08, 11, 5/1/94]

### *Fuel-Burning Equipment*

- 2.13** The permittee shall not discharge PM to the atmosphere from any fuel-burning equipment in excess of 0.015 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, 0.050 gr/dscf of effluent gas corrected to 8% oxygen by volume for coal, and 0.080 gr/dscf of effluent gas corrected to 8% oxygen by volume for wood products.

[IDAPA 58.01.01.676-677, 5/1/94]

### *Open Burning*

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

[IDAPA 58.01.01.600-623, 04/02/08T]

*Asbestos*

2.15 The permittee shall comply with all applicable portions of 40 CFR 61, Subpart M – Asbestos.

[40 CFR 61, Subpart M]

*Regulated Substances for Accidental Release Prevention*

2.16 An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR 68 no later than the latest of the following dates:

- Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR 68.130.
- The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR 68.10 (a)]

*Recycling and Emissions Reductions*

2.17 The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, Recycling and Emissions Reduction.

[40 CFR 82, Subpart F]

*NSPS/NESHAP General Provisions*

**2.18 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. A summary of requirements for affected facilities is provided in Table 2.2.

**Table 2.2 NSPS 40 CFR 60, SUBPART A – SUMMARY OF GENERAL PROVISIONS**

Section	Subject	Summary of Section Requirements
60.4	Address	<ul style="list-style-type: none"> <li>• <u>All requests, reports, applications, submittals, and other communications associated with 40 CFR 60, Subpart GG shall be submitted to:</u>  <b>Coeur d’Alene Regional Office</b>                      Department of Environmental Quality                      2110 Ironwood Pkwy                      Coeur d’Alene, ID 83814</li> </ul>
60.7(a),(b), and (f)	Notification and Recordkeeping	<ul style="list-style-type: none"> <li>• Notification shall be furnished of commencement of construction postmarked no later than 30 days of such date.</li> <li>• Notification shall be furnished of initial startup postmarked within 15 days of such date.</li> <li>• Notification shall be furnished of any physical or operational change that may increase emissions postmarked 60 days before the change is made.</li> <li>• 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.</li> <li>• 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.</li> </ul>
60.8	Performance Tests	<ul style="list-style-type: none"> <li>• At least 30 days prior notice of any performance test shall be provided to afford the opportunity to have an observer to be present.</li> <li>• 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.</li> </ul>

		<ul style="list-style-type: none"> <li>Performance testing facilities shall be provided as follows: 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.</li> <li>Performance tests shall be conducted and data reduced in accordance with 40 CFR 60.8(b), (c), and (f).</li> </ul>
60.11(a),(c), (d), (f), and (g)	Compliance With Standards and Maintenance Requirements	<ul style="list-style-type: none"> <li>When performance tests are required, compliance with standards is determined by methods and procedures established by 40 CFR 60.8.</li> <li>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.</li> <li>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.</li> <li>The opacity standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided.</li> </ul>
60.12	Circumvention	<ul style="list-style-type: none"> <li>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.</li> </ul>
60.14	Modification	<ul style="list-style-type: none"> <li>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.</li> <li>Within 180 days of the completion of any physical or operational change, compliance with all applicable standards must be achieved.</li> </ul>
60.15	Reconstruction	<ul style="list-style-type: none"> <li>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.</li> </ul>

[40 CFR 60, Subpart A]

## 2.19 NESHAP 40 CFR 63, Subpart A – General Provisions

The permittee shall comply with the requirements of 40 CFR 63, Subpart A – General Provisions. A summary of applicable requirements for affected sources is provided in Table 2..

Table 2.3 NESHAP 40 CFR 63, SUBPART A – SUMMARY OF GENERAL PROVISIONS

Section	Subject	Summary of Section Requirements
63.13	Addresses	<ul style="list-style-type: none"> <li><u>All requests, reports, applications, submittals, and other communications associated with 40 CFR 63, Subpart(s) shall be submitted to:</u> <b>Director Air and Waste</b> US EPA 1200 Sixth Avenue Seattle, WA 98101 <b>and</b> <b>Coeur d’Alene Regional Office</b> Department of Environmental Quality 2110 Ironwood Pkwy Coeur d’Alene, ID 83814</li> </ul>
63.4(a)	Prohibited Activities	<ul style="list-style-type: none"> <li>No permittee must operate any affected source in violation of the requirements of 40 CFR 63 in accordance with 40 CFR 63.4(a). No permittee subject to the provisions of this part shall fail to keep records, notify, report, or revise reports as required under this part.</li> </ul>
63.4(b)	Circumvention/ Fragmentation	<ul style="list-style-type: none"> <li>No permittee shall build, erect, install or use any article, machine, equipment, or process to conceal an emission that would otherwise constitute noncompliance with a relevant standard.</li> <li>Fragmentation which divides ownership of an operation, within the same facility among various owners where there is no real change in control, will not affect applicability in accordance with 40 CFR 63.4(c).</li> </ul>
63.6(b) and (c)	Compliance Dates	<ul style="list-style-type: none"> <li>The permittee of any new or reconstructed source must comply with the relevant standard as specified in 40 CFR 63.6(b).</li> <li>The permittee of a source that has an initial startup before the effective date of a relevant standard must comply not later than the standard’s effective date in accordance with 40 CFR 63.6(b)(1).</li> </ul>

		<ul style="list-style-type: none"> <li>• The permittee of a source that has an initial startup after the effective date of a relevant standard must comply upon startup of the source in accordance with 40 CFR 63.6(b)(2).</li> <li>• The permittee of any existing sources must comply with the relevant standard by the compliance date established in the applicable subpart or as specified in 40 CFR 63.6(c).</li> <li>• The permittee of an area source that increases its emissions of hazardous air pollutants such that the source becomes a major source shall be subject to relevant standards for existing sources in accordance with 40 CFR 63.6(c)(5).</li> </ul>
63.6(e) and (f)	Compliance with Standards and Maintenance Requirements (Non-Opacity)	<ul style="list-style-type: none"> <li>• At all times, including periods of startup, shutdown, and malfunction, the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions in accordance with 40 CFR 63.6(e).</li> <li>• The permittee of an affected source must develop a written startup, shutdown, and malfunction plan and a program of corrective action for malfunctioning process, air pollution control, and monitoring equipment used to comply with the relevant standard in accordance with 40 CFR 63.6(e). The permittee must maintain the current plan at the affected source and must make the plan available upon request. If the plan fails to address or inadequately addresses a malfunction, the permittee must revise the plan within 45 days after the event</li> <li>• The permittee must record and report actions taken during a startup, shutdown, or malfunction in accordance with the requirements in 40 CFR 63.6(e). The permittee shall confirm that actions taken during the relevant reporting period during periods of startup, shutdown, and malfunction were consistent with the plan in the semiannual startup, shutdown, and malfunction report.</li> <li>• Non-opacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified, in accordance with 40 CFR 63.6(f).</li> </ul>
63.6(h)	Compliance with Standards and Maintenance Requirements (Opacity)	<ul style="list-style-type: none"> <li>• The opacity and visible emission standards must apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in accordance with 40 CFR 63.6(h).</li> <li>• The permittee shall notify in writing of the anticipated date for conducting opacity or visible emission observations in accordance with 40 CFR 63.9(f), if such observations are required, in accordance with 40 CFR 63.6(h)(4).</li> <li>• For the purpose of demonstrating initial compliance, opacity or visible emission observations shall be conducted in accordance with 40 CFR 63.6(h)(5).</li> <li>• The permittee shall make records available upon request and shall provide evidence indicating proof of current visible observer emission certification in accordance with 40 CFR 63.6(h)(6).</li> </ul>
63.7	Performance Testing Requirements	<ul style="list-style-type: none"> <li>• If required to do performance testing, the permittee must perform such tests within 180 days of the compliance date in accordance with 40 CFR 63.7(a).</li> <li>• The permittee must notify in writing of the intention to conduct a performance test at least 60 calendar days before the performance test is initially scheduled to begin to allow review of the site-specific test plan and to have an observer present during the test in accordance with 40 CFR 63.7(b).</li> <li>• Before conducting a required performance test, the permittee shall develop and, if requested, shall submit a site-specific test plan for approval in accordance with 40 CFR 63.7(c). The test plan shall include a test program summary, the test schedule, data quality objectives, and both an internal and external quality assurance (QA) program.</li> <li>• If required to do performance testing, the permittee shall provide performance testing facilities in accordance with 40 CFR 63.7(d):  <ul style="list-style-type: none"> <li>Sampling ports adequate for test methods applicable to such source.</li> <li>Safe sampling platform(s);</li> <li>Safe access to sampling platform(s);</li> <li>Utilities for sampling and testing equipment; and</li> <li>Any other facilities deemed necessary for safe and adequate testing of a source.</li> </ul> </li> <li>• Performance tests shall be conducted and data reduced in accordance with 40 CFR 63.7(e) and (f).</li> <li>• The permittee shall report the results of the performance test before the close of business on the 60<sup>th</sup> day following the completion of the test, unless specified or approved otherwise in accordance with 40 CFR 63.7(g).</li> </ul>
63.9	Notification Requirements	<ul style="list-style-type: none"> <li>• The permittee of an affected source that has an initial startup before the effective date of a relevant standard shall notify in writing that the source is subject to the relevant standard, in accordance with 40 CFR 63.9(b)(2). The notification, which shall be submitted not later than 120 calendar days after the effective date of the relevant standard (or within 120 calendar days after the source becomes subject to the relevant standard), shall provide the following information:  <ul style="list-style-type: none"> <li>The name and address of the permittee;</li> </ul> </li> </ul>

		<p>The address (i.e., physical location) of the affected source;</p> <p>An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;</p> <p>A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted; and</p> <p>A statement of whether the affected source is a major source or an area source.</p> <ul style="list-style-type: none"> <li>• The permittee of a new or reconstructed major affected source for which an application for approval of construction or reconstruction is required must provide the following information in writing in accordance with 40 CFR 63.9(b)(4): <ul style="list-style-type: none"> <li>A notification of intention to construct a new major-emitting affected source, reconstruct a major-emitting affected source, or reconstruct a major source such that the source becomes a major-emitting affected source;</li> <li>A notification of the actual date of startup of the source delivered or postmarked within 15 calendar days after that date.</li> </ul> </li> <li>• The permittee of a new or reconstructed affected source for which an application for approval of construction or reconstruction is not required must provide the following information in writing in accordance with 40 CFR 63.9(b)(5): <ul style="list-style-type: none"> <li>A notification of intention to construct a new affected source, reconstruct an affected source, or reconstruct a source such that the source becomes an affected source, and</li> <li>A notification of the actual date of startup of the source delivered or postmarked within 15 calendar days after that date.</li> <li>Unless the permittee has requested and received prior permission, the notification must include the information required in the application for approval of construction or reconstruction as specified in 40 CFR 63.5(d)(1).</li> </ul> </li> <li>• The permittee shall notify in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin to allow the opportunity to review and approve the site-specific test plan required by 40 CFR 63.7(c), and to have an observer present during the test.</li> <li>• The permittee of an affected source shall notify in writing of the anticipated date for conducting the opacity or visible emission observations in accordance with 40 CFR 63.9(f), if such observations are required.</li> <li>• Each time a notification of compliance status is required under this part, the permittee of such source shall submit a notification of compliance status in accordance with 40 CFR 63.9(h)(2)(i). The notification shall list: <ul style="list-style-type: none"> <li>The methods that were used to determine compliance;</li> <li>The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;</li> <li>The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;</li> <li>The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;</li> <li>If the relevant standard applies to both major and area sources, an analysis demonstrating whether the affected source is a major source (using the emissions data generated for this notification);</li> <li>A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and</li> <li>A statement by the permittee of the affected existing, new, or reconstructed source as to whether the source has complied with the relevant standard or other requirements.</li> </ul> </li> <li>• The notification must be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration activity specified in the relevant standard unless otherwise specified in accordance with 40 CFR 63.9(h)(2)(ii). If no performance test is required but opacity or visible emission observations are required to demonstrate compliance with a standard, the notification shall be sent before close of business on the 30th day following the completion of the observations.</li> <li>• Each time a notification of compliance status is required under this part, the permittee of such source shall submit the notification of compliance status following completion of the relevant compliance demonstration activity specified.</li> <li>• If an permittee submits estimates or preliminary information in an application in place of the actual emissions data or control efficiencies, the permittee shall submit the actual emissions data and other correct information as soon as available but no later than with the initial notification of compliance status required in this section in accordance with 40 CFR 63.9(h)(5).</li> </ul>
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		<ul style="list-style-type: none"> <li>• Any change in the information already provided under this section shall be provided in writing within 15 calendar days after the change in accordance with 40 CFR 63.9(j).</li> </ul>
63.10	Recordkeeping and Reporting Requirements	<ul style="list-style-type: none"> <li>• The permittee shall maintain files of all required information recorded in a form suitable and readily available for expeditious inspection and review in accordance with 40 CFR 63.10(b)(1). The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site.</li> <li>• The permittee shall maintain relevant records of the following in accordance with 40 CFR 63.10(b)(2); <ul style="list-style-type: none"> <li>The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;</li> <li>The occurrence and duration of each malfunction of operation or the required air pollution control and monitoring equipment;</li> <li>All required maintenance performed on the air pollution control and monitoring equipment;</li> <li>Actions taken during periods of startup or shutdown when the source exceeded applicable emission limitations in a relevant standard and when the actions taken are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan; or</li> <li>Actions taken during periods of malfunction when the actions taken are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan;</li> <li>All information necessary, including actions taken, to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan (see 40 CFR 63.6(e)(3)) when all actions taken during periods of startup or shutdown (and the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards), and malfunction (including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. (The information needed to demonstrate conformance with the startup, shutdown, and malfunction plan may be recorded using a "checklist," or some other effective form of recordkeeping, in order to minimize the recordkeeping burden for conforming events);</li> <li>Each period during which a CMS is malfunctioning or inoperative (including out-of-control periods);</li> <li>All required measurements needed to demonstrate compliance with a relevant standard (including, but not limited to, 15-minute averages of CMS data, raw performance testing measurements, and raw performance evaluation measurements, that support data that the source is required to report);</li> <li>All results of performance tests, CMS performance evaluations, and opacity and visible emission observations;</li> <li>All measurements as may be necessary to determine the conditions of performance tests and performance evaluations;</li> <li>All CMS calibration checks;</li> <li>All adjustments and maintenance performed on CMS;</li> <li>All emission levels relative to the criterion for obtaining permission to use an alternative to the relative accuracy test, if the source has been granted such permission under 40 CFR 63.8(f)(6); and</li> <li>All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9.</li> </ul> </li> <li>• If an permittee determines that his or her stationary source that emits one or more HAP, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to a relevant standard because of limitations on the source's potential to emit or an exclusion, the permittee must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first in accordance with 40 CFR 63.10(b).</li> </ul>

[40 CFR 63, Subpart A]

*Incorporation of Federal Requirements by Reference*

**2.20** 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
- National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP), 40 CFR Part 63

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.

**[IDAPA 58.01.01.107.03, 05/01/94]**

### 3. UNIT 4B – SOLAR MARS 100S LOW NO<sub>x</sub> TURBINE

#### Summary Description

Table 3.1 describes the devices used to control emissions from Unit 4B.

**Table 3.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit / Process	Emissions Control Device
Unit 4B-Solar Mars 100S Low NO <sub>x</sub> Turbine	None

Table 3.2 contains only a summary of the requirements that apply to the Unit 4B. Specific permit requirements are listed below Table 3.2.

**Table 3.2 APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Operating, Monitoring and Recordkeeping Requirements
3.1	PM	0.015 gr/dscf @ 3% O <sub>2</sub> for gas	IDAPA 58.01.01.677	3.3
3.2	Visible Emissions	20% opacity for no more than three minutes in any 60-minute period	PTC No. 017-00037	3.3
3.3	Fuel	Natural gas exclusively	PTC No. 017-00037	3.9
3.4	Throughput	1,110 MMscf/yr	PTC No. 017-00037	3.3, 3.5
3.6	NO <sub>x</sub> Emissions	223 ppmvd @ 15% O <sub>2</sub>	PTC No. 017-00037	3.15
3.7	NO <sub>x</sub> Emissions	73 T/yr	PTC No. 017-00037	3.8, 3.15
3.9	Fuel Sulfur Content	0.8% by weight	PTC No. 017-00037	3.10

#### Permit Limits / Standard Summary

- 3.1** Particulate matter emissions from Unit 4B shall not exceed the grain-loading emission limits of 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen by volume for natural gas.  
[IDAPA 58.01.01.677, 5/1/94]
- 3.2** No person shall 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 the IDAPA 58.01.01.625.  
[PTC. No. 017-00037, 10/22/1999]

#### Operating Requirements

- 3.3** Unit 4B shall be fired by natural gas exclusively.  
[PTC. No. 017-00037, 10/22/1999]
- 3.4** The maximum amount of natural gas combusted in Unit 4B shall not exceed 1,110,000,000 standard cubic feet per any consecutive 12-month period (scf/yr).  
[PTC. No. 017-00037, 10/22/1999]
- 3.5** NO<sub>x</sub> emissions from Unit 4B shall not exceed 223 ppmvd corrected to 15% O<sub>2</sub>. NO<sub>x</sub> emissions shall be measured in accordance with Permit Condition 3.15.  
[PTC. No. 017-00037, 10/22/1999]

3.6 NO<sub>x</sub> emissions from Unit 4B shall not exceed 73 tons per any consecutive 12-month period (T/yr). NO<sub>x</sub> emissions shall be measured in accordance with Condition 3.8.

[PTC. No. 017-00037, 10/22/1999]

3.7 The permit shall develop a NO<sub>x</sub> emission factor to use along with the monitored fuel throughput required by Permit Condition 3.9 to estimate annual NO<sub>x</sub> emissions to demonstrate compliance with Permit Condition 3.7. The emission factor shall be developed using the results of performance tests required by Permit Condition 3.15 and shall be submitted to DEQ for approval. The permittee shall calculate the NO<sub>x</sub> emissions at least once per any consecutive 12-month period.

[IDAPA 58.01.01.322.01, 10/22/1999]

3.8 No fuel containing sulfur in excess of 0.8% by weight shall be burned in Unit 4B.

[PTC. No. 017-00037, 10/22/1999]

#### *Monitoring and Recordkeeping Requirements*

3.9 The permittee shall monitor and record the natural gas throughput to Unit 4B monthly and annually. Throughput shall be measured in cubic feet.

[PTC. No. 017-00037, 10/22/1999]

3.10 In accordance with 40 CFR 60.334(h)(3)(i), the permittee shall use the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.

[40 CFR 60.334(h)(3)]

3.11 If a replacement turbine is installed, the permittee shall conduct an initial performance test to measure oxides of nitrogen emissions in accordance with the test methods and procedures in 40 CFR 60.8, 40 CFR 60.335, IDAPA 58.01.01.157, and Permit Condition 3.15. Provided the replacement turbine demonstrates compliance with terms and conditions of this permit during the initial performance test, an additional performance test is not required during the calendar year the replacement turbine is put into service. Emissions, throughput, and rated horsepower of replacement turbines shall not exceed emission limits, throughput limits, and rated horsepower of existing Unit 4B.

[IDAPA 58.01.01.322.01, 3/19/1999]

3.12 The permittee shall notify DEQ of each engine replacement at least 30 days before the changeout, or in emergency situations where the permittee does not know 30 days in advance, within 48 hours of the changeout. The notification shall include a statement as to whether the unit being installed has been or will be reconstructed as defined in 40 CFR 60.15.

[40 CFR 60.335, 6/27/1989]

3.13 Stationary sources subject to 40 CFR 60 shall comply with Permit Conditions 2.17 through 2.25.

[IDAPA 58.01.01.322.02, 5/1/1994]

#### *Performance Testing Requirements*

3.14 Unless otherwise specified by permit condition or source test plan approval, each source test shall consist of at least three test runs and the emissions results shall be reported as the arithmetic average of all valid test runs.

[40 CFR 60.8]

**3.15** The permittee shall demonstrate compliance with the NO<sub>x</sub> emission limit in Permit Condition 3.6 using EPA Method 20 in accordance with 40 CFR 60.335 as follows:

- For each test day, the permittee shall document the higher heating value of the fuel, Btu/scf.
- Testing shall be performed one time per calendar year unless the results from the first test or two subsequent tests are less than 90% of the NO<sub>x</sub> emission limits in Permit Conditions 3.6 in which no further testing will be required on that turbine during this permit term;
- Testing shall be performed at 30, 50, 75, and 100% of peak load or at four points in the normal operating range of the gas turbine including the minimum point in the range and peak load;
- During each test run, the permittee shall record the following information:
  - (a) NO<sub>x</sub> concentration, ppm by volume;
  - (b) Barometric pressure at test, mm Hg;
  - (c) Humidity of ambient air, g H<sub>2</sub>O/g air;
  - (d) Ambient temperature, K, and
  - (e) Fuel consumption, scf/hour

**[40 CFR 60.335]**

**3.16** For all testing, the permittee shall use the following test method(s) and averaging times to measure the pollutant emissions:

**Table 3.3 TEST METHODS**

Pollutant	Test Method	Averaging Time	Special Conditions
NO <sub>x</sub>	EPA Method 20	Rolling three-hour average for lb/hr limit, 12-month rolling average for ton/year limit.	Or DEQ-approved alternative in accordance with IDAPA 58.01.01.157.

#### 4. UNIT 4C – SOLAR MARS T14000 STANDARD TURBINE

##### Summary Description

Table 4.1 describes the devices used to control emissions from Unit 4C.

**Table 4.1 EMISSIONS UNITS AND EMISSIONS CONTROL DEVICES**

Emissions Unit / Process	Emissions Control Device
Unit 4C-Solar Mars T14000 Standard Turbine	None

Table 4.2 contains only a summary of the requirements that apply to the Unit 4C. Specific permit requirements are listed below Table 4.2.

**Table 4.2 APPLICABLE REQUIREMENTS SUMMARY**

Permit Conditions	Parameter	Permit Limit / Standard Summary	Applicable Requirements Reference	Operating, Monitoring and Recordkeeping Requirements
4.1	PM	0.015 gr/dscf @ 3% O <sub>2</sub> for gas	IDAPA 58.01.01.677	4.3
4.2	Visible emissions (opacity)	20% opacity for no more than three minutes in any 60-minute period	PTC No. 055-00033	4.3
4.3	Fuel	Natural gas exclusively	PTC No. 055-00033	4.5
4.4	Throughput	963.6 MMscf/yr	PTC No. 055-00033	4.3, 4.5
4.6	NO <sub>x</sub> emissions	220 ppmvd @ 15% O <sub>2</sub>	PTC No. 055-00033	4.15
4.7	NO <sub>x</sub> emissions	352 T/yr	PTC No. 055-00033	4.8, 4.15
4.9	Fuel sulfur content	0.8% by weight	40 CFR §60.333(b) PTC No. 055-00033	4.10

##### Permit Limits / Standard Summary

- 4.1 Particulate Matter emissions from Unit 4C shall not exceed the grain-loading emission limits of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for natural gas. [IDAPA 58.01.01.677, 5/1/1994]
- 4.2 No person shall 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 the IDAPA 58.01.01.625 (Rules for the Control of Air Pollution in Idaho). [IDAPA 58.01.01.625, 4/5/2000]

##### Operating Requirements

- 4.3 Unit 4C shall be fired by natural gas exclusively. [PTC No. 017-00037, 10/22/1999]
- 4.4 The maximum amount of natural gas combusted in Unit 4C shall not exceed 963,600,000 standard cubic feet per any consecutive 12-month period (scf/yr). [PTC No. 017-00037, 10/22/1999]
- 4.5 The permittee shall monitor and record the natural gas throughput to Unit 4C monthly and annually. Throughput shall be measured in cubic feet. [PTC No. 017-00037, 10/22/1999]

4.6 NO<sub>x</sub> emissions from Unit 4C shall not exceed 220 ppmvd corrected to 15% O<sub>2</sub>. NO<sub>x</sub> emissions shall be measured in accordance with Permit Condition 4.15.

[40 CFR 60.332(a) (2); PTC No. 017-00037, 10/22/1999]

4.7 NO<sub>x</sub> emissions from Unit 4C shall not exceed 352 tons per any consecutive 12-month period (T/yr). NO<sub>x</sub> emissions shall be measured in accordance with Permit Condition 4.8.

[PTC No. 017-00037, 10/22/1999]

4.8 The permittee shall monitor and record the average NO<sub>x</sub> pound-per-hour (lb/hr) emissions rate at full-load operating conditions measured for each test required by Permit Condition 4.15. Compliance with the annual NO<sub>x</sub> emissions rate limit shall be demonstrated as shown below.

$$(X_a \text{ lb/hr})(8,760 \text{ hr/yr})(1 \text{ T}/2000 \text{ lb}) = X \text{ T/yr}$$

Where: X<sub>a</sub> = average pound-per-hour NO<sub>x</sub> emissions rate at full-load operating conditions measured during testing.

[IDAPA 58.01.01.322.01, 3/19/1999]

4.9 No fuel containing sulfur in excess of 0.8% by weight shall be burned in Unit 4C.

[40 CFR 60.333(b); PTC No. 017-00037, 10/22/1999]

#### *Monitoring and Recordkeeping Requirements*

4.10 In accordance with 40 CFR 60.334(h)(3)(i), the permittee shall use the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less.

[40 CFR 60.334(h)(3)]

4.11 If a replacement turbine is installed, the permittee shall conduct an initial performance test to measure oxides of nitrogen emissions in accordance with the test methods and procedures in 40 CFR 60.8, 40 CFR 60.335, IDAPA 58.01.01.157, and Permit Condition 4.15. Provided the replacement turbine demonstrates compliance with terms and conditions of this permit during the initial performance test, an additional performance test is not required during the calendar year the replacement turbine is put into service. Emissions, throughput, and rated horsepower of replacement turbines shall not exceed emission limits, throughput limits, and rated horsepower of the existing unit.

[IDAPA 58.01.01.322.01, 3/19/1999]

4.12 The permittee shall notify DEQ of each engine replacement at least 30 days before the changeout, or in emergency situations where the permittee does not know 30 days in advance, within two days of determining that a change out is required. The notification shall include a statement as to whether the unit being installed has been or will be reconstructed as defined in 40 CFR 60.15.

[40 CFR 60.335]

4.13 Stationary sources subject to 40 CFR 60 shall comply with Permit Conditions 2.17 through 2.25.

[IDAPA 58.01.01.322.02, 5/1/1994]

#### *Performance Testing Requirements*

4.14 Unless otherwise specified by permit condition or source test plan approval, each source test shall consist of at least three test runs, and the emissions results shall be reported as the arithmetic average of all valid test runs.

[40 CFR 60.8]

**4.15** Unless otherwise specified by permit condition or source test plan approval, each source test shall consist of at least three test runs, and the emissions results shall be reported as the arithmetic average of all valid test runs.

The permittee shall demonstrate compliance with the NO<sub>x</sub> emission limits in Permit Conditions 4.6 using EPA Method 20 in accordance with 40 CFR 60.335 as follows:

- For each test day, the permittee shall document the higher heating value of the fuel, Btu/scf.
- Testing shall be performed one time per calendar year unless the results from the first test or two subsequent tests are less than 90% of the NO<sub>x</sub> emission limits in Permit Conditions 4.6 in which no further testing will be required on that turbine during this permit term;
- Testing shall be performed at 30, 50, 75, and 100% of peak load or at four points in the normal operating range of the gas turbine including the minimum point in the range and peak load;
- During each test run, the permittee shall record the following information:
  - (a) NO<sub>x</sub> concentration, ppm by volume;
  - (b) Barometric pressure at test, mm Hg;
  - (c) Humidity of ambient air, g H<sub>2</sub>O/g air;
  - (d) Ambient temperature, K, and
  - (e) Fuel consumption, scf/hour;

**[40 CFR 60.335]**

**4.16** For all testing, the permittee shall use the following test method(s) and averaging times to measure the pollutant emissions:

**Table 4.2 TEST METHOD**

Pollutant	Test Method	Averaging Time	Special Conditions
NO <sub>x</sub>	EPA Method 20	Rolling three-hour average for lb/hr limit, 12-month rolling average for ton/year limit.	Or Department-approved alternative in accordance with IDAPA 58.01.01.157.

## 5. UNIT 4A – SOLAR TITAN 130S SOLONO<sub>x</sub>™ TURBINE

### Summary Description

The following requirements apply generally to Unit 4A:

Table 5.1 APPLICABLE REQUIREMENTS SUMMARY

Permit Conditions	Parameter	Permit Limit/Standard Summary	Applicable Requirements Reference	Monitoring and Recordkeeping Requirements
5.1	Emissions Limits	lb/hr and T/yr for Criteria Pollutants	PTC No. P-2007.0051	5.8, 5.9
5.2	Opacity Limit	20% Opacity	PTC No. P-2007.0051	5.8
5.3	Particulate Grain Loading	0.015 gr/dscf	PTC No. P-2007.0051	5.5

### Permit Limits / Standard Summary

- 5.1 Particulate matter (PM), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), NO<sub>x</sub>, carbon monoxide (CO), and volatile organic compound (VOC) emissions from the Unit 4A stack shall not exceed any corresponding emissions rate limits listed in the following Table:

Table 5.2 UNIT 4A STACK EMISSIONS LIMITS

Source	Emissions Limits <sup>a</sup>									
	PM/ PM <sub>10</sub>		SO <sub>2</sub>		NO <sub>x</sub>		VOC		CO	
	lb per MMscf <sup>b</sup>	T/yr <sup>c</sup>	lb per MMscf	T/yr	lb per MMscf	T/yr	lb per MMscf	T/yr	lb per MMscf	T/yr
SoLoNO <sub>x</sub> ™ gas turbine Unit 4A	6.73	4.21	2.86	1.79	164.4	85.4	2.14	1.34	119.6	74.8
Non-SoLoNO <sub>x</sub> mode	-	-	-	-	NA <sup>d</sup>		-	-	-	-
In SoLoNO <sub>x</sub> mode with ambient temperatures <sup>e</sup> less than 0°F	-	-	-	-	42.0 ppm <sup>f</sup>		-	-	-	-
In SoLoNO <sub>x</sub> mode with ambient temperatures <sup>e</sup> greater than or equal to 0°F	-	-	-	-	25.0 ppm <sup>f</sup>		-	-	-	-

<sup>a</sup> As determined by a pollutant-specific EPA reference method, DEQ-approved alternative, or as determined by DEQ's emissions estimation methods used in this permit analysis.

<sup>b</sup> Pounds per million standard cubic feet

<sup>c</sup> Tons per year as determined by multiplying the actual or allowable (if actual is not available) lb/hr emissions rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

<sup>d</sup> Unit 4A can only be operated in non-SoLoNO<sub>x</sub> mode during startup, shutdown, and load change.

<sup>e</sup> Ambient temperature is measured by a temperature probe at the air inlet for the gas turbine.

<sup>f</sup> Parts per million

[PTC No. P-2007.0051, 7/13/2007]

- 5.2 Emissions from the Unit 4A gas turbine stack, any other stack, vent, or functionally equivalent opening associated with Unit 4A, 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, Rules for the Control of Air Pollution in Idaho. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

[PTC No. P-2007.0051, 7/13/2007]

- 5.3 Particulate emissions from the Unit 4A gas turbine stack shall not exceed a concentration of 0.015 grains per dry standard cubic feet (gr/dscf) corrected to 3% oxygen.  
[PTC No. P-2007.0051, 7/13/2007]

#### *Operating Requirements*

- 5.4 The Unit 4A gas turbine shall operate in non-SoLoNO<sub>x</sub> mode only during periods of startup, shutdown, and load change.  
[PTC No. P-2007.0051, 7/13/2007]
- 5.5 The maximum annual fuel throughput of the Unit 4A gas turbine shall not exceed 1,251,000,000 standard cubic feet per any consecutive 12-month period (scf/yr).  
[PTC No. P-2007.0051, 7/13/2007]
- Unit 4A shall be fired on natural gas exclusively.  
[IDAPA 58.01.01.322.01, 3/19/1999]
- 5.6 No fuel containing sulfur in excess of 0.8% by weight shall be burned in the Unit 4A gas turbine.  
[PTC No. P-2007.0051, 7/13/2007]
- 5.7 The permittee shall comply with the Air Pollution Emergency Rules in IDAPA 58.01.01.550-562.  
[PTC No. P-2007.0051, 7/13/2007]

#### *Monitoring and Recordkeeping Requirements*

- 5.8 The permittee may satisfy the requirements of Permit Conditions 5.8.1 and 5.8.2 concurrently. The initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157 and the following conditions:
- Within 60 days after achieving the maximum production rate at which the source will operate, but not later than 180 days after initial startup, the permittee shall conduct performance tests to satisfy the requirements listed in 40 CFR 60.8 and 40 CFR 60.335.
  - Within 60 days after achieving the maximum production rate at which the source will operate, but not later than 180 days after initial startup, the permittee shall conduct performance tests to verify the emission factors for NO<sub>x</sub> and CO. Emission factor testing shall be performed at four load points in the normal operating range of the gas turbine including the minimum load in the operating range and the maximum achievable load.
  - The throughput of natural gas in standard cubic feet per hour (scf/hr) to Unit 4A shall be recorded during each performance test.
  - A second emissions test shall be conducted within 24 months of the initial performance test to demonstrate continued compliance with the emission limits for NO<sub>x</sub> and CO listed in Table 5.2. Emissions testing to demonstrate compliance shall be conducted at least once every 60 months thereafter.  
[PTC No. P-2007.0051, 7/13/2007]
- 5.9 A compilation of the most recent five years of records shall be kept onsite, and shall be made available to DEQ representatives upon request. The permittee shall monitor and record the following information:
- The permittee shall monitor and record the throughput of natural gas combusted in Unit 4A and the range of gas generator speed (%NGG), including periods of startup, shutdown, and load change, on a consecutive 12-month period basis.

- The permittee shall demonstrate that the fuel combusted in the Unit 4A turbine engines meets the definition of natural gas in 40 CFR 60.331(u). The permittee shall use one of the following sources of information to make the required demonstration:
  - The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20 grains/100 scf or less; or
  - Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 60 of this chapter is required.
  - No monitoring of fuel nitrogen content is required so long as the permittee does not claim an allowance for fuel bound nitrogen as described in 40 CFR 60.332(a), and so long as natural gas is the fuel fired in the turbine engines.

[PTC No. P-2007.0051, 7/13/2007]

- 5.10** Within 60 days after startup, the permittee shall have developed an Operations and Maintenance (O&M) manual for Unit 4A which describes the procedures that will be followed to assure that the owner and operators will 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 and the air pollution control device manufacturer specifications. This Manual shall remain onsite at all times and shall be made available to DEQ representatives upon request.

[PTC No. P-2007.0051, 7/13/2007]

- 5.11** If a replacement turbine is installed, the permittee shall conduct an initial performance test to measure oxides of nitrogen emissions in accordance with the test methods and procedures in 40 CFR 60.8, 40 CFR 60.335, IDAPA 58.01.01.157, and Permit Condition 5.8. Provided the replacement turbine demonstrates compliance with terms and conditions of this permit during the initial performance test, an additional performance test is not required during the calendar year the replacement turbine is put into service. Emissions, throughput, and rated horsepower of replacement turbines shall not exceed emission limits, throughput limits, and rated horsepower of existing Unit 4B.

- 5.12** The permittee shall notify DEQ of each engine replacement at least 30 days before the changeout, or in emergency situations where the permittee does not know 30 days in advance, within 48 hours of the changeout. The notification shall include a statement as to whether the unit being installed has been or will be reconstructed as defined in 40 CFR 60.15.

[40 CFR 60.335, 6/27/1989]

### *Reporting Requirements*

- 5.13** The permittee is encouraged to submit a test protocol for the performance test required in Permit Condition 2.11 to DEQ for approval at least 30 days prior to the test days.

[PTC No. P-2007.0051, 7/13/2007]

## 6. NESHAP 40 CFR 63, SUBPART ZZZZ REQUIREMENTS

### *Summary Description*

The permittee shall comply with all applicable requirements of 40 CFR 63, Subpart ZZZZ and all applicable general provisions of 40 CFR 63 Subpart A.

Subpart ZZZZ applies to the existing stationary Reciprocating Internal Combustion Engine (RICE) located at area source of HAP emissions. Subpart ZZZZ applies to the existing emergency spark ignition with a rated capacity greater than 500 bhp. Within the context of 40 CFR 63 Subpart ZZZZ, the terms “you” and “your” mean “permittee” and “permittee’s” respectively. The following shall apply to the engine:

### *Compliance Date*

- 6.1 In accordance with 40 CFR 63.6595(a)(1), the affected source must comply with the applicable emission and operating limitations of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ by October 19, 2013.

[40 CFR 63.6595(a)(1)]

### *Emissions and Operating Limitations*

- 6.2 In accordance with 40 CFR 63.6603(a), on and after October 19, 2013, the following emission limits or operating restrictions are required for the greater than 500 bhp stationary emergency RICE. The permittee must meet the following requirements, except during periods of startup.

- Change oil and filter every 500 hours of operation or annually, whichever comes first.
- Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6603(a)]

- 6.3 In accordance with 40 CFR 63.6605, on and after October 19, 2013, the permittee shall, at all times, operate and maintain the engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605]

### *Monitoring and Maintenance Requirements*

- 6.4 In accordance with 40 CFR 63.6625(e)(3), on and after October 19, 2013, the permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e)(3)]

**6.5** In accordance with 63.6625(f), on and after October 19, 2013, an existing stationary emergency RICE located at an area source of HAP emissions must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

**6.6** In accordance with 40 CFR 63.6625(h), on and after October 19, 2013, the emergency stationary RICE's time spent at idle during startup shall be minimized to a period needed for appropriate and safe loading of the engine, but not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to 40 CFR 63 Subpart ZZZZ apply.

[40 CFR 63.6625(h)]

**6.7** In accordance with 40 CFR 63.6625(j), on and after October 19, 2013, the permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Emissions and Operating Limitations permit condition. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(j)]

**6.8** In accordance with 40 CFR 63.6640(f), the permittee must operate the stationary emergency RICE according to the requirements in paragraphs (f)(1)(i) through (iii). The paragraphs are as follows:

- (i) There is no time limit on the use of stationary emergency RICE in emergency situations.
- (ii) The permittee may operate the stationary emergency RICE for the purposes of maintenance checks and readiness testing, provided the tests are recommended by Federal, State or local government, the manufacturer, the vendor or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
- (iii) The permittee may operate the stationary emergency RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hour per year provided for maintenance and testing.

[40 CFR 63.6640(f)]

## Recordkeeping Requirements

**6.9** In accordance with 40 CFR 63.6655(e), the permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following Rice; (1) an existing stationary emergency RICE, (2) an existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

In accordance with 40 CFR 63.6655(f), an existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If engines are used for demand response, the permittee must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

All records shall be readily accessible in hard copy or electronic form for a minimum of five (5) years after the date of each occurrence, measurement, maintenance procedure, corrective action or report in accordance with 40 CFR 63.6660.

[40 CFR 63.6655(e,f), 63.6660]

**6.10** Any notifications or reporting required by the National Emission Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ or Subpart A – General Provisions shall be submitted to the following address in accordance with 40 CFR 63.13:

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

and

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

[40 CFR 63.13]

## 7. INSIGNIFICANT ACTIVITIES

Activities and emission units identified as insignificant under IDAPA 58.01.01.317.01(b) are listed in Table 7.1 to qualify for a permit shield.

Table 7.1 INSIGNIFICANT ACTIVITIES

Description	Insignificant Activities IDAPA 58.01.01.317.01(b)(I) Citation
Space Heating Boilers	58.01.01.317.01.b.i.(5)
Natural Gas Pipeline and Fuel System	58.01.01.317.01.b.i.(30)
Fugitive Emissions	58.01.01.317.01.b.i.(30)

- 7.1 There are no additional monitoring, recordkeeping, or reporting requirements for insignificant emission units or activities beyond those required in Section 2 (Facility-wide Conditions) of this operating permit.

[IDAPA 58.01.01.322.06, 5/1/1994]

## 8. TIER I OPERATING PERMIT GENERAL PROVISIONS

### *General Compliance*

1. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application.  
[IDAPA 58.01.01.322.15.a, 5/1/94; 40 CFR 70.6(a)(6)(i)]
2. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the terms and conditions of this permit.  
[IDAPA 58.01.01.322.15.b, 5/1/94; 40 CFR 70.6(a)(6)(ii)]
3. Any permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.  
[IDAPA 58.01.01.315.01, 5/1/94; 40 CFR 70.5(b)]

### *Reopening*

4. This permit may be revised, reopened, revoked and reissued, or terminated for cause. Cause for reopening exists under any of the circumstances listed in IDAPA 58.01.01.386. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable in accordance with IDAPA 58.01.01.360 through 369.  
[IDAPA 58.01.01.322.15.c, 5/1/94; IDAPA 58.01.01.386, 3/19/99;  
40 CFR 70.7(f)(1), (2); 40 CFR 70.6(a)(6)(iii)]
5. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
[IDAPA 58.01.01.322.15.d, 5/1/94; 40 CFR 70.6(a)(6)(iii)]

### *Property Rights*

6. This permit does not convey any property rights of any sort, or any exclusive privilege.  
[IDAPA 58.01.01.322.15.e, 5/1/94; 40 CFR 70.6(a)(6)(iv)]

### *Information Requests*

7. The permittee shall furnish all information requested by DEQ, within a reasonable time, that DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit.  
[Idaho Code §39-108; IDAPA 58.01.01.122, 4/5/00; IDAPA 58.01.01.322.15.f, 4/5/00;  
40 CFR 70.6(a)(6)(v)]

8. Upon request, the permittee shall furnish to DEQ copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §9-342A and applicable implementing regulations including IDAPA 58.01.01.128.

[IDAPA 58.01.01.322.15.g, 5/1/94; IDAPA 58.01.01.128, 4/5/00; 40 CFR 70.6(a)(6)(v)]

#### *Severability*

9. 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)]

#### *Changes Requiring Permit Revision or Notice*

10. The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under IDAPA 58.01.01.213, or complying with IDAPA 58.01.01.220 through 223. The permittee shall comply with IDAPA 58.01.01.380 through 386 as applicable.

[IDAPA 58.01.01.200-223, 4/2/08; IDAPA 58.01.01.322.15.i, 3/19/99; IDAPA 58.01.01.380-386, 7/1/02; 40 CFR 70.4(b)(12), (14), (15), and 70.7(d), (e)]

11. Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under Title IV of the CAA, 42 U.S.C. Section 7651 through 7651c, or are modifications under Title I of the CAA, 42 U.S.C. Section 7401 through 7515. Administrative amendments (IDAPA 58.01.01.381), minor permit modifications (IDAPA 58.01.01.383), and significant permit modifications (IDAPA 58.01.01.382) require a revision to the Tier I operating permit. IDAPA 58.01.01.502(b)(10) changes are authorized in accordance with IDAPA 58.01.01.384. Off-permit changes and required notice are authorized in accordance with IDAPA 58.01.01.385.

[IDAPA 58.01.01.381-385, 7/1/02; IDAPA 58.01.01.209.05, 4/11/06; 40 CFR 70.4(b)(14) and (15)]

#### *Federal and State Enforceability*

12. Unless specifically identified as a “State-only” provision, all terms and conditions in this permit, including any terms and conditions designed to limit a source’s potential to emit, are enforceable: (i) by DEQ in accordance with state law; and (ii) by the United States or any other person in accordance with federal law.

[IDAPA 58.01.01.322.15.j, 5/1/94; 40 CFR 70.6(b)(1) and (2)]

13. Provisions specifically identified as a “State-only” provision are enforceable only in accordance with state law. “State-only” provisions are those that are not required under the Federal Clean Air Act or under any of its applicable requirements or those provisions adopted by the state prior to federal approval.

[Idaho Code §39-108; IDAPA 58.01.01.322.15.k, 3/23/98]

### *Inspection and Entry*

14. 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 a Tier I 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; IDAPA 58.01.01.322.15.l, 5/1/94; 40 CFR 70.6(c)(2)]

### *New Requirements During Permit Term*

15. The permittee shall comply with applicable requirements that become effective during the permit term on a timely basis.

[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.10.a.ii, 5/1/94;  
40 CFR 70.6(c)(3) citing 70.5(c)(8)]

### *Fees*

16. The owner or operator of a Tier I source shall pay annual registration fees to DEQ in accordance with IDAPA 58.01.01.387 through IDAPA 58.01.01.397.

[IDAPA 58.01.01.387, 4/2/03; 40 CFR 70.6(a)(7)]

### *Certification*

17. All documents submitted to DEQ shall be certified in accordance with IDAPA 58.01.01.123 and comply with IDAPA 58.01.01.124.

[IDAPA 58.01.01.322.15.o, 5/1/94; 40 CFR 70.6(a)(3)(iii)(A); 40 CFR 70.5(d)]

### *Renewal*

18. a. The owner or operator of a Tier I source shall submit an application to DEQ for a renewal of this permit at least six months before, but no earlier than 18 months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine months prior to the date of expiration.

[IDAPA 58.01.01.313.03, 4/5/00; 40 CFR 70.5(a)(1)(iii)]

- b. If a timely and complete application for a Tier I operating permit renewal is submitted, but DEQ fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit including any permit shield that may have been granted pursuant to IDAPA 58.01.01.325 shall remain in effect until the renewal permit has been issued or denied.

**[IDAPA 58.01.01.322.15.p, 5/1/94; 40 CFR 70.7(b)]**

### *Permit Shield*

- 19. Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
  - a. Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
    - i. DEQ has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.01.01.325.01(b) have been met.
  - b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.01.01.381.04 (administrative amendments incorporating the terms of a permit to construct), IDAPA 58.01.01.382.04 (significant modifications), and IDAPA 58.01.01.384.03 (trading under an emissions cap).
  - c. Nothing in this permit shall alter or affect the following:
    - i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;
    - ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
    - iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
    - iv. The ability of EPA to obtain information from a source pursuant to Section 114 of the CAA; or the ability of DEQ to obtain information from a source pursuant to Idaho Code §39-108 and IDAPA 58.01.01.122.

**[Idaho Code §39-108 and 112; IDAPA 58.01.01.122, 4/5/00;**

**IDAPA 58.01.01.322.15.m, 325.01, 5/1/94; IDAPA 58.01.01.325.02, 3/19/99;**

**IDAPA 58.01.01.381.04, 382.04, 383.05, 384.03, 385.03, 3/19/99; 40 CFR 70.6(f)]**

### *Compliance Schedule and Progress Reports*

- 20.
  - a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
  - b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
  - c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.

- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.

[IDAPA 58.01.01.322.10, 4/5/00; IDAPA 58.01.01.314.9, 5/1/94; IDAPA 58.01.01.314.10, 4/5/00;

40 CFR 70.6(c)(3) and (4)]

### *Periodic Compliance Certification*

- 21. The permittee shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:
  - a. The compliance certifications for all emissions units shall be submitted annually from **DATE TO DATE** or more frequently if specified by the underlying applicable requirement or elsewhere in this permit by DEQ.
  - b. The initial compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
  - c. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
    - i. The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
    - ii. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period. Such methods and other means shall include, at a minimum, the methods and means required under Subsections 322.06, 322.07, and 322.08;
    - iii. The status of compliance with the terms and conditions of the Tier I operating permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the method or means designated in Subsection 322.11.c.ii. above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and
    - iv. Such information as the Department may require to determine the compliance status of the emissions unit.
  - d. All original compliance certifications shall be submitted to DEQ and a copy of all compliance certifications shall be submitted to the EPA.

[IDAPA 58.01.01.322.11, 4/6/05; 40 CFR 70.6(c)(5)(iii) as amended,

62 Fed. Reg. 54900, 54946 (10/22/97); 40 CFR 70.6(c)(5)(iv)]

### *False Statements*

22. 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]

### *No Tampering*

23. 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]

### *Semiannual Monitoring Reports*

24. In addition to all applicable reporting requirements identified in this permit, the permittee shall submit reports of any required monitoring at least every six months. The permittee's semiannual reporting periods shall be from January 1 to June 30 and from July 1 to December 31. All instances of deviations from this operating permit's requirements must be clearly identified in the report. The semiannual reports shall be submitted to DEQ within 30 days of the end of the specified reporting period.

[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.322.08.c,  
4/5/00; 40 CFR 70.6(a)(3)(iii)]

### *Reporting Deviations and Excess Emissions*

25. The permittee shall promptly report all deviations from permit requirements including upset conditions, their probable cause, and any corrective actions or preventive measures taken. For excess emissions, the report shall be made in accordance with IDAPA 58.01.01.130-136. For all other deviations, the report shall be made in accordance with IDAPA 58.01.01.322.08.c, unless otherwise specified in this permit.

[IDAPA 58.01.01.322.15.q, 3/23/98; IDAPA 58.01.01.135, 4/11/06; 40 CFR 70.6(a)(3)(iii)]

### *Permit Revision Not Required*

26. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit.

[IDAPA 58.01.01.322.05.b, 4/5/00; 40 CFR 70.6(a)(8)]

### *Emergency*

27. In accordance with IDAPA 58.01.01.332, an "emergency," as defined in IDAPA 58.01.01.008, constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.01.01.332.02 are met."

[IDAPA 58.01.01.332.01, 4/5/00; 40 CFR 70.6(g)]