STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

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

C.L. "Butch" Otter, Governor
Curt Fransen, Director

November 8, 2013

Craig Bourassa
Engineer, Power Production
Idaho Power Company
1221 West Idaho Street
Boise, Idaho 83702

RE: Facility ID No. 075-00012, Langley Gulch Power Plant, New Plymouth
Final Tier I Operating Permit Letter

Dear Mr. Bourassa:

The Department of Environmental Quality (DEQ) is issuing Tier I Operating Permit No. T1-2013.0017 PROJ 61165 to Idaho Power Company – Langley Gulch Power Plant, 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. The enclosed operating permit is based on the information contained in your permit application received on March 11, 2013. 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 J.R. Fuentes, Area Source Specialist, at (208) 373-0550 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 Morrie Lewis at (208) 373-0502 or Morrie.Lewis@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS/ML Permit No. T1-2013.0017 PROJ 61165

Enclosure

AIR QUALITY

TIER I OPERATING PERMIT

Permittee	Idaho Power Company – Langley Gulch Power Plant
Permit Number	T1-2013.0017
Project ID	61165
Facility ID	075-00012
Facility Location	3806 Highway 30 South New Plymouth, ID 83655

Permit Authority

This permit (a) is issued according to the "Rules for the Control of Air Pollution in Idaho" (Rules), IDAPA 58.01.01.300–386, (b) 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 permittee shall comply with the terms and conditions of this permit. The effective date of this permit is the date of signature by DEQ on this cover page.

Date Issued November 8, 2013

Date Expires November 8, 2018

Morrie Lewis, Permit Writer

Mike Simon, Stationary Source Manager

Contents

1. Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
ASTM	American Society for Testing and Materials
BACT	Best Available Control Technology
BHP	brake horsepower
Btu	British thermal unit
CAA	Clean Air Act
CatOx	catalytic oxidation
CEMS	continuous emission monitoring systems
cfm	cubic feet per minute
CFR	Code of Federal Regulations
CI	compression ignition
CMS	continuous monitoring systems
CO	carbon monoxide
CO_2	carbon dioxide
COMS	continuous opacity monitoring systems
CT	combustion turbine
CT1	combustion turbine and duct burner
DAHS	data acquisition and handling system
DEQ	Idaho Department of Environmental Quality
dscf	dry standard cubic feet
EPA	United States Environmental Protection Agency
g	grams
gal	gallons
gph	gallons per hour
gpm	gallons per minute
gr	grains (1 lb = 7,000 grains)
HAP	hazardous air pollutants
HHV	higher heating value
HP	horsepower
hr	hours
hr/yr	hours per 12 consecutive calendar month period
HRSG	heat recovery steam generating unit
ICE	internal combustion engines
ID No.	identification number
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act

J	Joules
kW	kilowatts
L	liters
lb	pounds
mg	milligrams
MMBtu	million British thermal units
MM lb/yr	million pounds per 12 consecutive calendar month period
MW	megawatts of electrical output
MWh	megawatt-hours
NESHAP	National Emission Standards for Hazardous Air Pollutants
ng	nanograms
NH_3	ammonia
NMHC	non-methane hydrocarbons
No.	number
NO	nitric oxide
NO_x	nitrogen oxides
NO_2	nitrogen dioxide
NSPS	New Source Performance Standards
O&M	operation and maintenance
O_2	oxygen
PM	particulate matter
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million by volume
ppmw	parts per million by weight
PSD	Prevention of Significant Deterioration
PTC	permit to construct
QA	quality assurance
QC	quality control
Rules	Rules for the Control of Air Pollution in Idaho
scf	standard cubic feet
SCR	selective catalytic reduction
SO_2	sulfur dioxide
TDS	total dissolved solids
T1	Tier I operating permit
T/yr	tons per 12 consecutive calendar month period
U.S.C.	United States Code
VOC	volatile organic compounds

2. Permit Scope

Purpose

2.1 This Tier I operating permit establishes facility-wide requirements in accordance with the Idaho State Implementation Plan control strategy, the "Rules for the Control of Air Pollution in Idaho", and the Acid Rain Program.

2.2 This Tier I operating permit incorporates the following permit:

- Permit to Construct No. P-2009.0092 Project 61199, issued August 14, 2013

Regulated Sources

Table 2.1 lists the sources of emissions regulated in this permit, for informational purposes only.

Table 2.1 Regulated Sources

Permit Section	Source	Control Equipment
3, 4, 9	Combustion turbine and duct burner (CT1) *Combustion turbine (CT)* Manufacturer: Siemens Model: SGT6-5000F Configuration: 1x1 combined cycle Manufacture date: 2010 Maximum capacity: 2,134 MMBtu/hr [a] Maximum energy output: ≥190 MW Fuel: natural gas Fuel consumption: 793.1 MM lb/yr [b] *Duct burner* Manufacturer: Hamworthy Peabody Manufacture date: 2010 Maximum capacity: 241.28 MMBtu/hr [a] Fuel: natural gas Fuel consumption: 793.1 MM lb/yr [b]	Dry low NO_x combustors Selective catalytic reduction system Catalytic oxidation system Good combustion practices
3, 5	Emergency generator engine Manufacturer: Caterpillar Model: C27 Manufacture date: 2011 Maximum capacity: 1,214 BHP (750 kW) 2.25 L/cylinder Maximum operation: 4 hr/day and 60 hr/yr [c] Fuel: ultra-low sulfur diesel Fuel consumption: 53.6 gph	EPA Tier 2 technologies Good combustion practices
3, 5	Fire pump engine Manufacturer: Cummins Model: CFP9E-F30 Manufacture date: 2010 Maximum capacity: 305 BHP (235 kW) 1.48 L/cylinder Maximum operation: 2 hr/day and 40 hr/yr [c] Fuel: ultra-low sulfur diesel Fuel consumption: 15.8 gph	EPA Tier 3 technologies Good combustion practices
3, 6	Cooling tower Manufacturer: GEA Model: 7-cell, counterflow wet Manufacture date: 2010 Maximum water flow: 76,151 gpm Maximum TDS: 5,000 mg/L	Drift eliminators Good operating practices
3, 7	Dry chemical storage silos (3) Manufacturer: Silosafe Manufacture date: 2010 Maximum capacities: 6500, 2200, and 2090 ft^3 Maximum loading operation: 2 hr/day and 48 hr/yr per silo	Bin vent filters Good operating practices
3, 8	Above-ground fuel storage tanks (2) Manufacture date: 2013 Maximum capacity: 250 gal each (diesel/gasoline)	Lids or other appropriate closure

a) At higher heating value (HHV), 100 percent of peak load, and 0 °F.
b) Combined fuel usage limit for the CT and duct burner.
c) For maintenance and testing activities.

3. Facility-Wide

Table 3.1 contains a summary of requirements that apply generally to emissions units at the facility, for informational purposes only.

Table 3.1 Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
3.1–3.4	Fugitive Dust	Reasonable control and corrective actions	IDAPA 58.01.01.650–651	3.1–3.4, 3.29–3.32
3.5–3.6	Odors	Reasonable control and corrective actions	IDAPA 58.01.01.776.01	3.5–3.6, 3.29–3.32
3.7–3.9	Visible emissions	20% opacity for no more than 3 minutes in any 60-minute period	IDAPA 58.01.01.625	3.8–3.9, 4.33–4.34, 3.17–3.22, 3.23–3.26, 3.29–3.32
3.10	PM	Compliance with IDAPA 58.01.01.700–703	IDAPA 58.01.01.700–703	6.1–6.5, 7.1–7.3, 3.17–3.22, 3.29–3.32
3.11, 4.8	PM	0.015 gr/dscf	IDAPA 58.01.01.676	see requirements for PM_{10} in Table 4.2
3.12–3.13, 5.10	Diesel Fuel Sulfur Content	Fuel Oil No. 1 ≤ 0.3% by weight Fuel Oil No. 2 ≤ 0.5% by weight	IDAPA 58.01.01.725	3.13, 5.10, 3.17–3.22, 3.29–3.32
3.14–3.16	Operation and Maintenance	Compliance with O&M requirements	IDAPA 58.01.01.322.06-08	3.14–3.16, 4.12, 4.32, 5.6–5.8, 6.3, 7.3, 3.29–3.32
3.17–3.22, 3.27, 10.26	Excess Emissions	Monitoring, recordkeeping, and reporting of excess emissions	40 CFR 60, Subpart A IDAPA 58.01.01.130-136	3.8, 3.17–3.22, 4.20–4.27, 4.32–4.39, 5.13, 6.4–6.5, 9.1–9.3, 9.11, 3.27, 3.29–3.32, 10.26
3.23–3.26, 3.27, 4.33–4.35, 5.13	Performance Testing	Compliance testing	IDAPA 58.01.01.157	3.23–3.26, 3.27, 4.33–4.35, 5.13, 3.17–3.22, 3.29–3.32
3.27	NSPS General Provisions	Compliance with 40 CFR 60, Subpart A	40 CFR 60, Subpart A, 40 CFR 60.4218	3.27, 3.17–3.22, 3.29–3.32
3.28	Incorporation of Federal Requirements	Compliance with applicable federal requirements referenced	IDAPA 58.01.01.107	3.28
3.29–3.32	Monitoring, Recordkeeping, and Reporting	Maintenance of required records	IDAPA 58.01.01.322.07	3.29–3.32
3.33	Open Burning	Compliance with IDAPA 58.01.01.600–624	IDAPA 58.01.01.600–624	3.33, 3.29–3.32
3.34	Asbestos	Compliance with 40 CFR 61, Subpart M	40 CFR 61, Subpart M	3.34, 3.29–3.32
3.35	Accidental Release Prevention	Compliance with 40 CFR 68	40 CFR 68	3.35, 3.29–3.32
3.36	Recycling and Emissions Reductions	Compliance with 40 CFR 82, Subpart F	40 CFR 82, Subpart F	3.36, 3.29–3.32

Fugitive Dust

3.1 All reasonable precautions shall be taken to prevent particulate matter (PM) from becoming airborne in accordance with IDAPA 58.01.01.650–651.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.650–651, 3/30/07]

3.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (e.g., water, chemical dust suppressants) to reasonably control fugitive emissions.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

3.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receiving 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.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.07, 5/1/94]

3.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each fugitive emissions inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

Odors

3.5 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.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.776.01, 5/1/94 (state-only)]

3.6 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 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.

[P-2009.0092, 8/14/13 (state-only); IDAPA 58.01.01.322.06-07, 5/1/94]

Visible Emissions

3.7 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 the test methods and procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides (NO_x), and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.625, 5/8/09]

3.8 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 the following; 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 actions and report the period or periods as an excess emission in the annual compliance certification and in accordance with IDAPA 58.01.01.130–136.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

3.9 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.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.07, 5/1/94]

Process Weight Limitations

3.10 The permittee shall not emit PM to the atmosphere from any process or process equipment in excess of the amount shown by the equations in IDAPA 58.01.01.700-703.

- The cooling tower and dry chemical storage silos are process or process equipment as defined in IDAPA 58.01.01.006.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.700–703, 5/3/03]

Fuel-Burning Equipment

3.11 The permittee shall not discharge PM into the atmosphere from any fuel-burning equipment in excess of 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen (O_2) by volume for gas, and 0.050 gr/dscf of effluent gas corrected to 3% O_2 by volume for liquid, in accordance with IDAPA 58.01.01.676.

- The duct burner is fuel-burning equipment as defined in IDAPA 58.01.01.006.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.676, 5/1/94]

Fuel Sulfur Content

3.12 The permittee shall not sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur, in accordance with IDAPA 58.01.01.725:

- ASTM Grade 1 fuel oil, 0.3% by weight.
- ASTM Grade 2 fuel oil, 0.5% by weight.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.725, 3/29/10]

3.13 The permittee shall maintain documentation of supplier verification of fuel oil sulfur content on an as-received basis to ensure compliance with the fuel sulfur content (Permit Condition 3.12) requirement.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.07, 5/1/94]

Operation and Maintenance

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

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

3.15 The permittee shall operate the control equipment (Table 2.1) in accordance with an Operation and Maintenance (O&M) manual. The O&M manual shall describe for each of the control equipment described in the Regulated Sources Table (Table 2.1) procedures that will be followed to ensure compliance with the BACT emission limits (Permit Condition 4.2), the BACT secondary emission limits (Permit Conditions 4.3 and 4.4), the BACT work practices (Permit Conditions 4.12, 5.7, 6.3, 7.3), the ammonia injection flow rate limit (Permit Condition 4.19), the control equipment operation and maintenance requirement (Permit Condition 3.14), and manufacturer's specifications. The O&M manual shall be a permittee-developed document based upon, but independent from, the manufacturer supplied operating manual(s).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

3.16 The procedures specified in the O&M manual are incorporated by reference into this permit and are enforceable permit conditions. The O&M manual and copies of any manufacturer's manual(s) and recommendations shall remain on site at all times and shall be made available to DEQ representatives upon request. Any changes to the O&M manual shall be submitted to DEQ at the address provided (Permit Condition 3.30) for review and comment within 15 days of the change.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

Excess Emissions

Excess Emissions—General

3.17 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 the excess emissions facility-wide conditions (Permit Conditions 3.17 through 3.22) and the regulations of IDAPA 58.01.01.130–136.

[IDAPA 58.01.01.130, 4/5/00]

3.18 During an excess emissions event, the permittee 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, and Scheduled Maintenance

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

- 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.
- 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 permittee demonstrates to DEQ's satisfaction that a shorter advance notice was necessary.
- The permittee shall report and record the information required pursuant to the excess emissions reporting and recordkeeping requirements (Permit Conditions 3.21 and 3.22) 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, 4/11/06]

Excess Emissions—Upset, Breakdown, or Safety Measures

3.20 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 permittee shall demonstrate compliance with IDAPA 58.01.01.134.01(a) and (b) and the following:

- The permittee 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.
- The permittee 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 permittee demonstrates to DEQ's satisfaction that the longer reporting period was necessary.
- The permittee shall report and record the information required pursuant to the excess emissions reporting and recordkeeping facility-wide conditions (Permit Conditions 3.21 and 3.22) and IDAPA 58.01.01.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.
- During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, DEQ may require the permittee 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 permittee.

[IDAPA 58.01.01.134, 4/11/06]

Excess Emissions—Reporting and Recordkeeping

3.21 The permittee shall submit a written report to DEQ for each excess emissions event, 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, 4/11/06]

3.22 The permittee 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:

- 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.
- Copies of all startup, shutdown, and scheduled maintenance procedures and upset, breakdown, or safety preventative maintenance plans that have been developed by the permittee 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, 4/5/00]

Performance Testing

3.23 If performance testing is required, the following test methods shall be used, unless otherwise specified in this permit or approved by DEQ in accordance with IDAPA 58.01.01.157.02:

Table 3.2 Test Methods

Pollutant	Test Method	Additional Requirements
NO_x	EPA Method 7E or 20	
CO	EPA Method 10	
VOC	EPA Methods 25A / 18	
PM_{10}	EPA Methods 5 / 202, or 201A / 202	Particulate matter with an aerodynamic diameter less than or equal to a nominal ten (10) micrometers, including condensable particulate as defined in IDAPA 58.01.01.006.
PM grain loading	EPA Method 5	
SO_2	EPA Method 6C or 20	
Sulfur content	ASTM D3246 or D6667	Sulfur content of gaseous fuels.
Ammonia	EPA Method 320 or CTM-027	
Opacity	EPA Method 9	For an NSPS source, use IDAPA 58.01.01.625 and Method 9. For other sources, used IDAPA 58.01.01.625 only.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.157.02, 4/5/00]

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

[P-2009.0092, 8/14/13; IDAPA 58.01.01.157.03, 4/5/00]

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

[P-2009.0092, 8/14/13; IDAPA 58.01.01.157.01, 4/5/00]

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

[P-2009.0092, 8/14/13; IDAPA 58.01.01.157.04, 4/5/00]

NSPS General Provisions

3.27 NSPS 40 CFR 60, Subpart A—General Provisions

For each affected facility, the permittee shall comply with the applicable requirements of 40 CFR 60, Subpart A "General Provisions", in accordance with 40 CFR 60.1 and 40 CFR 60.4218. Affected facilities include the CT, the heat recovery steam generator, the duct burner, the emergency generator engine, and the fire pump engine. A summary of requirements is provided in the following table:

Table 3.3 Summary of Subpart A of 40 CFR 60 — General Provisions

Section	Subject	Summary of Section Requirements
60.4	Address	• All requests, reports, applications, submittals, and other communications associated with 40 CFR 60, Subparts IIII and KKKK shall be submitted to the address provided in the DEQ address permit condition (Permit Condition 3.30).
60.7(a), (b), and (f)	Notification and Recordkeeping	• Notification shall be furnished of commencement of construction or reconstruction postmarked no later than 30 days of such date. • Notification shall be furnished of initial startup postmarked within 15 days of such date. • Notification shall be furnished of any physical or operational change that may increase emissions postmarked 60 days before the change is made. • Records shall be maintained of the occurrence and duration of any startup, shutdown or malfunction; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system (CMS) or monitoring device is inoperative. • Records shall be maintained, in a permanent form suitable for inspection, of all measurements, performance evaluations, calibration checks, adjustments and maintenance performed, and all other required information. Records shall be maintained for a period of two years following the date of such measurements, maintenance, reports, and records.
60.7(a), (c), (d), (e), and (f)	Notification and Recordkeeping (CMS)	• Notification shall be furnished of the date upon which demonstration of the CMS performance commences. • Excess emissions and monitoring systems performance reports shall be submitted semiannually and in accordance with the semiannual monitoring reports general provision (Permit Condition 10.25). Reports shall contain the information and be in the format specified in 40 CFR 60.7(c) and (d). • Records of continuous emission monitoring system (CEMS) subhourly measurements shall be maintained in accordance with the requirements of 40 CFR 60.7(f). In lieu of maintaining a file of all CEMS subhourly measurements, the most recent consecutive three averaging periods of subhourly measurements and a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard shall be maintained.
60.8	Performance Tests	• At least 30 days prior notice of any performance test shall be provided to afford the opportunity to have an observer to be present. • Within 60 days of achieving the maximum production rate, but not later than 180 days after initial startup, performance test(s) shall be conducted and a written report of the results of such test(s) furnished. • Performance testing facilities shall be provided as follows: Sampling ports adequate for test methods applicable to such facility Safe sampling platform(s) Safe access to sampling platform(s) Utilities for sampling and testing equipment • Performance tests shall be conducted and data reduced in accordance with 40 CFR 60.8(b), (c), and (f).

60.11(a), (d), (f), and (g)	Compliance with Standards and Maintenance Requirements	• When performance tests are required, compliance with standards is determined by methods and procedures established by 40 CFR 60.8. • At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. • For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any standard, nothing shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
60.11(b), (c), and (e)	Compliance with Standards and Maintenance Requirements (Opacity)	• Compliance with opacity standards shall be determined by Method 9 in Appendix A to 40 CFR 60. The permittee may elect to use continuous opacity monitoring system (COMS) measurements in lieu of Method 9, provided notification is made at least 30 days before the performance test. • The opacity standards shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided. • Opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR 60.8 in accordance with the requirements and exceptions in 40 CFR 60.11(e).
60.12	Circumvention	• No permittee shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard.
60.13	Monitoring Requirements (CMS)	• All CMS and monitoring devices shall be installed and operational prior to conducting performance tests required by 40 CFR 60.8. • A performance evaluation of the COMS or CEMS shall be conducted before or during any performance test and a written report of the results of the performance evaluation furnished. Reporting requirements include submitting performance evaluation reports within 60 days of the evaluations required, and submitting results of the performance evaluations for the COMS within 10 days before a performance test, if using a COMS to determine compliance with opacity during a performance test instead of Method 9. • The zero and span calibration drifts must be checked at least once daily and adjusted in accordance with the requirements in 40 CFR 60.13(d). • The zero and upscale (span) calibration drifts of COMS must be automatically, intrinsic to the opacity monitor, checked at least once daily. • Except for system breakdowns, repairs, calibration checks, and zero and span adjustments, all CMS shall be in continuous operation and shall meet minimum frequency of operation requirements as specified in 40 CFR 60.13(e). • All CMS or monitoring devices shall be installed such that representative measurements of emissions or process parameters from the affected facility are obtained. CMS shall be located and installed in accordance with the requirements in 40 CFR 60.13(f) and (g). • Data shall be reduced and computed in accordance with the procedures in 40 CFR 60.13(h), (i), and (j).
60.14	Modification	• A physical or operational change which results in an increase in the emission rate to the atmosphere of any pollutant to which a standard applies shall be considered a modification, and upon modification an existing facility shall become an affected facility in accordance with the requirements and exemptions in 40 CFR 60.14. • Within 180 days of the completion of any physical or operational change, compliance with all applicable standards must be achieved.
60.15	Reconstruction	• 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.

[P-2009.0092, 8/14/13; 40 CFR 60, Subpart A]

Incorporation of Federal Requirements

3.28 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:

- Approval and Promulgation of Implementation Plans, 40 CFR 52.
- Standards of Performance for New Stationary Sources (NSPS) 40 CFR 60, Subpart IIII.

- Standards of Performance for New Stationary Sources (NSPS) 40 CFR 60, Subpart KKKK.
- National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP), 40 CFR 63, Subpart ZZZZ.
- Protection of Stratospheric Ozone, 40 CFR 82.
- Permits (Acid Rain), 40 CFR 72.
- Continuous Emission Monitoring, 40 CFR 75.

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NSPS), 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.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.107, 4/4/13]

Monitoring, Recordkeeping, and Reporting

3.29 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this operating permit. Monitoring records 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.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.07, 5/1/94]

3.30 All requests, reports, applications, submittals, certifications, and other communications required by this permit shall be submitted to:

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard St.
Boise, Idaho 83706

Phone: (208) 373-0550
Fax: (208) 373-0287

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.08, 11, 4/6/05]

3.31 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 (Permit Conditions 3.17 through 3.22).

[IDAPA 58.01.01.322.08, 11, 4/6/05]

3.32 The periodic compliance certification required in the general provisions (General Provision 10.22) 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, 4/6/05]

Open Burning

3.33 The permittee shall comply with the "Rules for Control of Open Burning" (IDAPA 58.01.01.600-624).

[IDAPA 58.01.01.600–624, 3/29/12]

Asbestos

3.34 NESHAP 40 CFR 61, Subpart M—National Emission Standard for Asbestos

The permittee shall comply with all applicable emissions standards pursuant to 40 CFR 61, Subpart M—"National Emission Standard for Asbestos".

[40 CFR 61, Subpart M]

Accidental Release Prevention

3.35 40 CFR 68—Chemical Accident Prevention Provisions

A permittee 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

3.36 40 CFR 82—Protection of Stratospheric Ozone

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

[40 CFR 82, Subpart F]

4. Combustion Turbine and Duct Burner

The Langley Gulch Power Plant operates as a one-on-one, combined-cycle plant, consisting of a natural gas-fired combustion turbine (CT) and a steam turbine. The CT is equipped with a heat recovery steam generator (HRSG), which uses the exhaust heat to produce steam for the steam turbine. Supplemental natural gas duct firing within the HRSG provides additional heat in the exhaust gases, which increases steam production and steam turbine output for peak loads. Due to the varying nature of the plant operational schedule, the CT and HRSG duct burner may be subject to numerous startup and shutdown events per year.

Ancillary equipment includes a diesel-fired emergency generator, a diesel-fired fire pump, a wet cooling tower, and three dry chemical storage silos.

Table 4.1 contains a description of control equipment used to control emissions from the CT and the duct burner, for informational purposes only.

Table 4.1 CT and Duct Burner Control Device Descriptions

Emissions Units	Control Devices	Emission Point
CT and Duct Burner	Selective catalytic reduction system Catalytic oxidation system	HRSG Stack

Table 4.2 contains a summary of requirements applicable to the CT and the duct burner, for informational purposes only.

Table 4.2 CT and Duct Burner Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
3.7–3.9	Visible emissions	20% opacity	IDAPA 58.01.01.625	4.33–4.34, 3.8–3.9, 3.17–3.22, 3.23–3.26, 3.29–3.32
4.1–4.5, 4.10–4.14, 4.20–4.22, 4.26–4.27, 4.33–4.34	Operating scenarios	Monitoring of startup, shutdown, and low-load events	IDAPA 58.01.01.322.04	4.10–4.14, 4.20–4.22, 4.26–4.27, 4.33–4.34, 3.14–3.16, 3.17–3.22, 3.23–3.26, 3.29–3.32 (see also requirements for NO_x below and in Table 9.2)
	NO_x	2.0 ppm, except 96 ppm during low-load/startup/shutdown	40 CFR 52.21, 40 CFR 75.10, 40 CFR 75.12	
	CO	2.0 ppm, except 24.5 ppm during low-load and 2,510 lb/hr during startup/shutdown		
	VOC	2.0 ppm, except 11.5 ppm during low-load		
	NO_x	88 T/yr	IDAPA 58.01.01.322.01	
	CO	278.1 T/yr		
4.6, 4.15, 4.23–4.25, 4.36–4.37, 4.39	NO_x	15 ppm, except 96 ppm during low-load and 54 ppm for duct burner only	40 CFR 60.4320(a), 40 CFR 60.4333(a), 40 CFR 60.4340-4350, 40 CFR 60.4375, 40 CFR 60.4380, 40 CFR 60.4395	4.15, 4.23–4.25, 4.36–4.37, 4.39, 3.17–3.22, 3.27, 3.29–3.32 (see also requirements for NO_x above and in Table 9.2)
4.7, 4.15, 4.16, 4.28–4.30, 4.35, 4.36, 4.38, 4.39	SO_2 and fuel specifications	0.060 lb/MMBtu (20 gr/100 scf)	40 CFR 60.4330(a), 40 CFR 60.4360, 40 CFR 60.4370, 40 CFR 60.4415(a), 40 CFR 60.4375, 40 CFR 60.4385, 40 CFR 60.4395	4.15, 4.16, 4.28–4.30, 4.35, 4.36, 4.38, 4.39, 9.8, 9.11–9.18, 3.17–3.22, 3.27, 3.29–3.32
		0.5 gr/100 scf	IDAPA 58.01.01.322.01	
4.8, 3.11, 4.33–4.34	PM_{10}	12.55 lb/hr	IDAPA 58.01.01.322.01, IDAPA 58.01.01.676	4.33–4.34, 3.17–3.22, 3.23–3.26, 3.29–3.32
		0.015 gr/dscf		
4.9, 4.18–4.19, 4.32, 4.33–4.34	Ammonia (NH_3)	5 ppm	IDAPA 58.01.01.322.01	4.18–4.19, 4.32, 4.33–4.34, 3.14–3.16, 3.17–3.22, 3.23–3.26, 3.29–3.32
4.17, 4.31	Fuel usage	793.1 MM lb/yr	IDAPA 58.01.01.322.01	4.31, 3.29–3.32

Definitions

4.1 Startup, Shutdown, and Low-Load Events

For the purposes of BACT emission limits (Permit Condition 4.2) and BACT secondary emission limits (Permit Conditions 4.3 and 4.4), startup, shutdown, and low-load events shall be defined as follows:

- A startup event shall be defined as a period beginning with the initiation of firing fuel in the CT, of increasing power output from 0% to 60% of base load, and not exceeding 5.5 hours in duration.
- A shutdown event shall be defined as a period ending when the CT has stopped firing fuel, of reducing power output from less than 60% to 0% of base load, and not exceeding 1 hour in duration.
- A low-load event shall be defined as operation of the CT at a power output below 60% of base load, excluding periods defined as startup or shutdown events.
- Base load shall be defined as the maximum electrical energy output, in megawatts of electrical output, that the CT is capable of producing on a steady-state basis and during continuous operation.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.04, 5/1/94]

Emission Limits

4.2 PSD 40 CFR 52.21 – BACT Emission Limits

The emissions from the HRSG stack shall not exceed any emission limit in the following table except during startup, shutdown, and low-load events:

Table 4.3 CT and Duct Burner BACT Emission Limits [a]

Source	NO_x ppm [b][c]	CO ppm [b][c]	VOC ppm [b][c]
CT and Duct Burner (combined)	2.0	2.0	2.0

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

b) Parts of a gaseous contaminant per million parts of gas by volume, calculated as a 3-hour rolling average, on a dry basis and corrected to 15% O_2 concentration.

c) As determined by applicable EPA test method (Permit Condition 3.23) as prescribed by IDAPA 58.01.01.157, CEMS data, or DEQ-approved alternative.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.3 PSD 40 CFR 52.21 – BACT Secondary Emission Limits for Low-Load Events

The emissions from the HRSG stack shall not exceed any emission limit in the following table during low-load events:

Table 4.4 CT and Duct Burner BACT Secondary Emission Limits for Low-Load Events [a]

Source	NO_x ppm [b][c]	CO ppm [b][c]	VOC ppm [b][c]
CT and Duct Burner (combined)	96	24.5	11.5

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping requirements.
b) Parts of a gaseous contaminant per million parts of gas by volume, calculated as a 3-hour rolling average, on a dry basis and corrected to 15% O_2 concentration.
c) As determined by applicable EPA test method (Permit Condition 3.23) as prescribed by IDAPA 58.01.01.157, CEMS data, or DEQ-approved alternative.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.4 PSD 40 CFR 52.21 – BACT Secondary Emission Limits for Startup and Shutdown Events

The emissions from the HRSG stack shall not exceed any emission limit in the following table during startup and shutdown events:

Table 4.5 CT and Duct Burner BACT Secondary Emission Limits for Startup and Shutdown Events [a]

Source	NO_x ppm [b][d]	CO lb/hr [c][d]
CT and Duct Burner (combined)	96	2,510

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping requirements.
b) Parts of a gaseous contaminant per million parts of gas by volume, calculated as a 3-hour rolling average, on a dry basis and corrected to 15% O_2 concentration.
c) Pounds per hour, calculated as a 1-hour average.
d) As determined by applicable EPA test method (Permit Condition 3.23) as prescribed by IDAPA 58.01.01.157, CEMS data, or DEQ-approved alternative.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.5 Annual Emission Limits

The emissions from the HRSG stack shall not exceed any emission limit in the following table:

Table 4.6 CT and Duct Burner Annual Emission Limits [a]

Source	NO_x T/yr [b]	CO T/yr [b]
CT and Duct Burner (combined)	88	278.1

a) In absence of any other credible evidence, compliance is assured by complying with permit operating, monitoring, and recordkeeping requirements.
b) Tons per any 12 consecutive calendar month period, calculated as a 12-month rolling total and including emissions during startup, shutdown, low-load, and malfunction.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

4.6 NSPS 40 CFR 60, Subpart KKKK – NO_x Emission Limits

The permittee shall meet the emission limits for NO_x specified in Table 1 to Subpart KKKK of 40 CFR 60, in accordance with 40 CFR 60.4320(a):

Table 4.7 Summary of Table 1 to Subpart KKKK of 40 CFR 60 – NO_x Emission Limits for New Stationary CT

Combustion turbine type	CT heat input at peak load (HHV)	NO_x emission standard
New, modified, or reconstructed turbine firing natural gas	> 850 MMBtu/hr	15 ppm at 15% O_2 or 54 ng/J of useful output (0.43 lb/MWh)
Turbines operating at < 75% of peak load, and turbines operating at temperatures less than 0°F	> 30 MW output	96 ppm at 15% O_2 or 590 ng/J of useful output (4.7 lb/MWh)
Heat recovery units operating independent of the combustion turbine	All sizes	54 ppm at 15% O_2 or 110 ng/J of useful output (0.86 lb/MWh).

[P-2009.0092, 8/14/13; 40 CFR 60.4320(a)]

4.7 NSPS 40 CFR 60, Subpart KKKK – SO_2 Emission Limits

The permittee shall comply with one of the options specified in 40 CFR 60.4330(a), in accordance with 40 CFR 60.4330(a):

- The permittee shall not burn in the CT any fuel which contains total potential sulfur emissions in excess of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input.

[P-2009.0092, 8/14/13; 40 CFR 60.4330(a)]

4.8 PM_{10} Emission Limit

The emissions from the HRSG stack shall not exceed 12.55 pounds per hour of PM_{10} emissions as defined in IDAPA 58.01.01.006, including condensable particulates.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

4.9 Ammonia Slip Emission Limit

The emissions from the HRSG stack shall not exceed 5 parts of ammonia per million parts of gas by volume (ppm), calculated as a 24-hour rolling average, on a dry basis and corrected to 15% O_2 concentration, to ensure compliance with the control equipment maintenance and operation requirements (Permit Condition 3.14).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

Operating Requirements

4.10 PSD 40 CFR 52.21 – BACT SCR System

The permittee shall install, operate, and maintain a selective catalytic reduction (SCR) system consistent with manufacturer's recommendations, to ensure compliance with the NO_x BACT emission limits (Permit Condition 4.2) and NO_x BACT secondary emission limits (Permit Conditions 4.3 and 4.4) for the CT and the duct burner.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.11 PSD 40 CFR 52.21 – BACT CatOx System

The permittee shall install, operate, and maintain a catalytic oxidation (CatOx) system consistent with manufacturer's recommendations, to ensure compliance with the CO and VOC BACT emission limits (Permit Condition 4.2) and CO and VOC BACT secondary emission limits (Permit Conditions 4.3 and 4.4) for the CT and the duct burner.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.12 PSD 40 CFR 52.21 – BACT Work Practices for the CT and Duct Burner

The permittee shall utilize good combustion practices at all times to minimize emissions of regulated NSR pollutants from the CT and the duct burner. Good combustion practices shall be identified and described in the O&M manual (Permit Conditions 3.15 through 3.16).

[P-2009.0092, 8/14/13; 40 CFR 52.21]

4.13 NO_x CEMS

The permittee shall install, certify, operate, and maintain a NO_x-diluent continuous emission monitoring system (consisting of a NO_x pollutant concentration monitor and an O_2 or CO_2 diluent gas monitor) with an automated data acquisition and handling system (DAHS) for measuring and recording NO_x concentration (in ppm), O_2 or CO_2 concentration (in percent O_2 or CO_2), and NO_x emission rate (in lb/MMBtu) discharged to the atmosphere.

- The procedures of 40 CFR 60.13 (Permit Condition 3.27) and 40 CFR 75 (Permit Conditions 9.5–9.7, 9.9, and 9.12 through 9.18) shall be followed for installation, evaluation, and operation of the CEMS.
- The permittee shall comply with the NO_x CEMS monitoring option requirements (Permit Condition 4.24).
- The CEMS shall be capable of monitoring NO_x concentrations at all times, including during startup, shutdown, and low-load events (as defined in Permit Condition 4.1).

[P-2009.0092, 8/14/13; 40 CFR 75.10(a)(2); 40 CFR 75.12(d)(1)]

4.14 CO CEMS

The permittee shall install, certify, operate, and maintain a CO continuous emission monitoring system (consisting of a CO pollutant concentration monitor and an O_2 diluent gas monitor) with an automated DAHS for measuring and recording CO concentration (in ppm), O_2 concentration (in percent O_2), and CO emission rate (in lb/MMBtu and lb/hr) discharged to the atmosphere.

- The procedures of 40 CFR 60.13 (Permit Condition 3.27) shall be followed for installation, evaluation, and operation of the CEMS.
- The permittee shall comply with the requirements set forth in Appendices B and F to 40 CFR 60. The permittee shall demonstrate compliance with the requirements of Appendix B to 40 CFR 60 using the method given by Performance Specification 4 or 4A (as appropriate), unless otherwise approved by DEQ.
- The CEMS shall be capable of monitoring CO concentrations and CO emissions at all times, including during startup, shutdown, and low-load events (as defined in Permit Condition 4.1).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

4.15 NSPS 40 CFR 60, Subpart KKKK – General Compliance Requirements

The permittee must operate and maintain the stationary CT, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction in accordance with 40 CFR 60.4333(a).

[P-2009.0092, 8/14/13; 40 CFR 60.4333(a)]

4.16 Fuel Specifications

The CT and the duct burner shall combust only fuel that meets the definition of pipeline natural gas under 40 CFR 72.2.

- Pipeline natural gas contains 0.5 grains or less of total sulfur per 100 standard cubic feet.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99; 40 CFR 72.2]

4.17 Fuel Usage

The quantity of natural gas combusted in both the CT and the duct burner (combined) shall not exceed 793.1 million pounds per any 12 consecutive calendar month period (MM lb/yr).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

4.18 Ammonia Injection Flow Meter

The permittee shall install, calibrate, operate, and maintain an ammonia injection flow meter for the ammonia injection system consistent with manufacturer's recommendations, to ensure compliance with the ammonia injection flow rate limit (Permit Condition 4.19).

- The ammonia injection flow meter shall be accurate to plus or minus ten percent at full scale and calibrated at least once every five years.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

4.19 Ammonia Injection Flow Rate

The 24-hour average ammonia injection flow rate shall not exceed 1.03 gallons per minute (gpm), to ensure compliance with the ammonia slip emission limit (Permit Condition 4.9).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

Continuous Monitoring and Recordkeeping

4.20 Startup, Shutdown, And Low-Load Events Monitoring

For each startup, shutdown, and low-load event (as defined in Permit Condition 4.1), the permittee shall record the following to ensure compliance with BACT emission limits (Permit Condition 4.2) and BACT secondary emission limits (Permit Conditions 4.3 and 4.4):

- A description of the event (e.g., startup, shutdown, or low-load).
- The occurrence and duration of the event.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.04, 5/1/94]

NO_x CEMS

4.21 NO_x CEMS Monitoring for BACT and Annual Limits

For the purposes of demonstrating compliance with the NO_x BACT emission limit (Permit Condition 4.2), the NO_x BACT secondary emission limits (Permit Conditions 4.3 and 4.4), and the NO_x annual emission limit (Permit Condition 4.5), the permittee shall comply with the following requirements:

- Each NO_x CEMS shall meet the requirements for CEMS set forth in 40 CFR 60, Subpart A (Permit Condition 3.27).
- Startup, shutdown, and low-load events shall be monitored in accordance with the startup, shutdown, and low-load events monitoring requirement (Permit Condition 4.20).
- Emissions shall be monitored according to the NO_x CEMS monitoring excess emissions requirement (Permit Condition 4.25). Hourly, monthly, and annual averages shall be calculated using CEMS totals and excess emissions shall be assessed according to the procedures in the NO_x CEMS monitoring excess emissions for BACT and annual limits requirement (Permit Condition 4.22). Electronic archives are an acceptable form of documentation for recordkeeping.
- Monitor downtime shall be defined as set forth in 40 CFR 60.4380(b)(2) (Permit Condition 4.37).
- Excess emissions and monitor downtime shall be reported according to the procedures set forth in 40 CFR 60, Subpart A (Permit Condition 3.27) and in accordance with the excess emissions procedures and requirements (Permit Conditions 3.17 through 3.22).

- A test protocol shall be submitted to DEQ for each certification and recertification of the CEMS. Each test protocol shall be submitted to DEQ for approval at least 30 days prior to the test date. Following the approval of the initial test protocol, the permittee may waive this reporting requirement by providing a certified statement that each recertification test will be performed in the same manner as a test protocol previously approved for the CEMS.
- The permittee shall maintain DEQ-approved CEMS methodology and quality assurance and quality control (QA/QC) protocols onsite addressing the methods used to quantify emission concentrations and emission rates from the HRSG stack and the methods used to ensure data quality. The protocol must be sufficiently detailed to allow DEQ to verify emissions rate estimates for purposes of determining compliance. The permittee shall maintain the DEQ-approved protocols onsite at all times the CT is operated.
- Records of all CEMS emission data, calibration reports, excess emissions and monitor downtime reports, and maintenance performed shall be maintained in accordance with the monitoring and recordkeeping requirement (Permit Condition 3.29).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

4.22 NO_x CEMS Monitoring Excess Emissions for BACT and Annual Limits

For the purposes of assessing excess emissions for the NO_x BACT emission limit (Permit Condition 4.2), the NO_x BACT secondary emission limits (Permit Conditions 4.3 and 4.4), and the NO_x annual emission limit (Permit Condition 4.5), the permittee shall comply with the following requirements using procedures set forth in 40 CFR 60 or as otherwise approved by DEQ:

- On an hourly basis, the 1-hour average NO_x concentration (in ppm) from the HRSG stack shall be calculated and recorded.
- On an hourly basis, the 1-hour average NO_x emission rate (in lb/hr) from the HRSG stack shall be calculated and recorded.
- On an hourly basis, the rolling 3-hour average NO_x concentration (in ppm) from the HRSG stack shall be calculated and recorded.
- On a monthly basis, the monthly and cumulative 12 consecutive calendar month NO_x mass emissions (in tons) shall be calculated and recorded using CEMS totals of the hourly NO_x mass emissions, according to the procedures set forth in Appendix F to 40 CFR 75.
- For each 1-hour operating period during which multiple NO_x BACT emission limits may potentially be applicable (Permit Conditions 4.2 through 4.4), the applicable NO_x BACT emission limit for that hour is determined based on the event or operating condition that corresponded to the highest NO_x BACT emission limit.
- For each 3-hour operating period during which multiple NO_x BACT emission limits apply (Permit Conditions 4.2 through 4.4), the applicable NO_x BACT emission limit is the average of the applicable NO_x BACT emission limits during each hour ("blended average"). Each 1-hour operating period is required to be included as part of a calculated 3-hour rolling average (in ppm).
- On an hourly basis, the calculated 3-hour average NO_x concentration shall be used to assess excess emissions for the applicable NO_x BACT emission limit (Permit Condition 4.2, 4.3, or 4.4).
- On a monthly basis, the calculated 12 consecutive calendar month mass emission total shall be used to assess excess emissions for the NO_x annual emission limit (Permit Condition 4.5).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

4.23 NSPS 40 CFR 60, Subpart KKKK – Continuous Compliance for NO_x

The permittee shall demonstrate continuous compliance for NO_x in accordance with 40 CFR 60.4340.

- The permittee may install, calibrate, maintain and operate a continuous emission monitoring system (CEMS) as described in 40 CFR 60.4335(b) and 40 CFR 60.4345 (Permit Condition 4.24), in accordance with 40 CFR 60.4340(b).

[P-2009.0092, 8/14/13; 40 CFR 60.4340]

4.24 NSPS 40 CFR 60, Subpart KKKK – NO_x CEMS Monitoring Option

In accordance with 40 CFR 60.4345:

- Each NO_x diluent CEMS must be installed and certified according to Performance Specification 2 (PS 2) in Appendix B to 40 CFR 60, except the 7-day calibration drift is based on unit operating days, not calendar days. With DEQ approval, Procedure 1 in Appendix F to 40 CFR 60 is not required. Alternatively, a NO_x diluent CEMS that is installed and certified according to Appendix A to 40 CFR 75 is acceptable for use under 40 CFR 60, Subpart KKKK. The relative accuracy test audit (RATA) of the CEMS shall be performed on a lb/MMBtu basis.
- As specified in 40 CFR 60.13(e)(2), during each full unit operating hour, both the NO_x monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor to validate the NO_x emission rate for the hour.
- Each fuel flowmeter shall be installed, calibrated, maintained, and operated according to the manufacturer's instructions.
- Each watt meter, steam flow meter, and each pressure or temperature measurement device shall be installed, calibrated, maintained, and operated according to manufacturer's instructions.
- The permittee shall maintain a quality assurance (QA) plan on-site for all of the continuous monitoring equipment described in 40 CFR 60.4345. For the CEMS and fuel flow meters, the permittee may, with DEQ approval, satisfy the requirements of this paragraph by implementing the QA program and plan described in section 1 of Appendix B to 40 CFR 75.

[P-2009.0092, 8/14/13; 40 CFR 60.4345]

4.25 NSPS 40 CFR 60, Subpart KKKK – NO_x CEMS Monitoring Excess Emissions

The permittee shall comply with the requirements of 40 CFR 60.4350 for purposes of identifying excess emissions, in accordance with 40 CFR 60.4350:

- All CEMS data must be reduced to hourly averages as specified in 40 CFR 60.13(h) (Permit Condition 3.27).
- For each unit operating hour in which a valid hourly average, as described in 40 CFR 60.4345(b) (Permit Condition 4.24), is obtained for both NO_x and diluent monitors, the DAHS must calculate and record the hourly NO_x emission rate in units of ppm or lb/MMBtu, using the appropriate equation from Method 19 in Appendix A to 40 CFR 60. For any hour in which the hourly average O_2 concentration exceeds 19.0 percent O_2 (or the hourly average CO_2 concentration is less than 1.0 percent CO_2), a diluent cap value of 19.0 percent O_2 or 1.0 percent CO_2 (as applicable) may be used in the emission calculations.
- Correction of measured NO_x concentrations to 15 percent O_2 is not allowed.
- Only quality-assured data from the CEMS shall be used to identify excess emissions. Periods where the missing data substitution procedures in Subpart D of 40 CFR 75 are applied are to be reported as monitor downtime in the excess emissions and monitoring performance report required under 40 CFR 60.7(c) (Permit Condition 3.27).
- All required fuel flow rate and megawatt data must be reduced to hourly averages.

- Calculate the hourly average NO_x emission rates in ppm, in accordance with 40 CFR 60.4350(f).
- Use the calculated hourly average emission rates from this permit condition to assess excess emissions on a 30 unit operating day rolling average basis, as described in 40 CFR 60.4380(b)(1) (Permit Condition 4.37).

[P-2009.0092, 8/14/13; 40 CFR 60.4350]

CO CEMS

4.26 CO CEMS Monitoring for BACT and Annual Limits

For the purposes of demonstrating compliance with the CO BACT emission limit (Permit Condition 4.2), the CO BACT secondary emission limits (Permit Conditions 4.3 and 4.4), and the CO annual emission limit (Permit Condition 4.5), the permittee shall comply with the following requirements:

- Each CO CEMS shall meet the requirements for CEMS set forth in 40 CFR 60, Subpart A (Permit Condition 3.27).
- Startup, shutdown, and low-load events shall be monitored in accordance with the startup, shutdown, and low-load events monitoring requirement (Permit Condition 4.20).
- All CO CEMS data shall be reduced to hourly averages according to the procedures set forth in 40 CFR 60.13(h) (Permit Condition 3.27).
- For each unit operating hour in which a valid hourly average is obtained for both the CO and O_2 diluent monitors, the DAHS must calculate and record the hourly CO emission rate in units of ppm and lb/MMBtu, using the appropriate equation from Method 19 in Appendix A to 40 CFR 60 or as approved by DEQ. For any hour in which the hourly average O_2 concentration exceeds 19.0 percent O_2, a diluent cap value of 19.0 percent O_2 may be used in the emission calculations.
- All required fuel flow rate data must be reduced to hourly averages.
- Hourly, monthly, and annual averages shall be calculated using CEMS totals and excess emissions shall be assessed according to the procedures in the CO CEMS monitoring excess emissions for BACT and annual limits requirement (Permit Condition 4.27). Electronic archives are an acceptable form of documentation for recordkeeping.
- Monitor downtime shall be defined as set forth in 40 CFR 60.4380(b)(2) (Permit Condition 4.37), and shall include any unit operating hour in which the data for CO concentration is either missing or invalid.
- Excess emissions and monitor downtime shall be reported according to the procedures set forth in 40 CFR 60, Subpart A (Permit Condition 3.27) and in accordance with the excess emissions procedures and requirements (Permit Conditions 3.17 through 3.22).
- A test protocol shall be submitted to DEQ for each certification and recertification of the CEMS. Each test protocol shall be submitted to DEQ for approval at least 30 days prior to the test date. Following the approval of the initial test protocol, the permittee may waive this reporting requirement by providing a certified statement that each recertification test will be performed in the same manner as a test protocol previously approved for the CEMS.
- The permittee shall maintain DEQ-approved CEMS methodology and QA/QC protocols onsite addressing the methods used to quantify emission concentrations and emission rates from the HRSG stack and the methods used to ensure data quality. The protocol must be sufficiently detailed to allow DEQ to verify emissions rate estimates for purposes of determining compliance.

- Records of all CEMS emission data, calibration reports, excess emissions and monitor downtime reports, and maintenance performed shall be maintained in accordance with the monitoring and recordkeeping requirement (Permit Condition 3.29).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

4.27 CO CEMS Monitoring Excess Emissions for BACT and Annual Limits

For the purposes of assessing excess emissions for the CO BACT emission limit (Permit Condition 4.2), the CO BACT secondary emission limits (Permit Conditions 4.3 and 4.4), and the CO annual emission limit (Permit Condition 4.5), the permittee shall comply with the following requirements using procedures set forth in 40 CFR 60 or as otherwise approved by DEQ:

- On an hourly basis, the 1-hour average CO concentration (in ppm) from the HRSG stack shall be calculated and recorded.
- On an hourly basis, the 1-hour average CO emission rate (in lb/hr) from the HRSG stack shall be calculated and recorded.
- On an hourly basis, the rolling 3-hour average CO concentration (in ppm) from the HRSG stack shall be calculated and recorded.
- On a monthly basis, the monthly and cumulative 12 consecutive calendar month CO mass emissions (in tons) shall be calculated and recorded using CEMS totals of the hourly CO mass emissions, according to procedures approved by DEQ.
- For each 1-hour operating period during which multiple CO BACT emission limits may potentially be applicable (Permit Conditions 4.2 through 4.4), the applicable CO BACT emission limit for that hour is determined based on the event or operating condition that corresponded to the highest CO BACT emission limit.
- For each 3-hour operating period during which multiple CO BACT emission limits (in ppm) apply (Permit Conditions 4.2 through 4.3), the applicable CO BACT emission limit is the average of the applicable CO BACT emission limits during each hour ("blended average").
- Each 1-hour operating period determined to be applicable to the CO BACT secondary emission limit for startup and shutdown events (in lb/hr) is not required to be included as part of a calculated 3-hour rolling average (in ppm).
- On an hourly basis, the calculated 3-hour average CO concentration (for Permit Condition 4.2 or 4.3) or the calculated 1-hour average CO emission rate (for Permit Condition 4.4) shall be used to assess excess emissions for the applicable CO BACT emission limit (Permit Condition 4.2, 4.3, or 4.4).
- On a monthly basis, the calculated 12 consecutive calendar month mass emission total shall be used to assess excess emissions for the CO annual emission limit (Permit Condition 4.5).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

Monitoring and Recordkeeping

4.28 NSPS 40 CFR 60, Subpart KKKK – Fuel Total Sulfur Content Monitoring

- The permittee shall monitor the total sulfur content of the fuel being fired in the CT, except as provided in 40 CFR 60.4365, in accordance with 40 CFR 60.4360.
- The permittee may elect not to monitor the total sulfur content of the fuel combusted in the CT, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input, in accordance with 40 CFR 60.4365. The permittee shall use one of the following sources of information to make the required demonstration:
    - The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, has potential sulfur emissions of less than less than 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input; or

- Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input. 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 40 CFR 75 is required.

[P-2009.0092, 8/14/13; 40 CFR 60.4360-4365]

4.29 NSPS 40 CFR 60, Subpart KKKK – Frequency of Fuel Total Sulfur Content Monitoring

The permittee shall determine the sulfur content of the fuel according to the frequency specified in 40 CFR 60.4370:

- Gaseous fuel. If the permittee elects not to demonstrate sulfur content using options in 40 CFR 60.4365, and the fuel is supplied without intermediate bulk storage, the sulfur content value of the gaseous fuel shall be determined and recorded once per unit operating day.
- Custom schedules. Notwithstanding the requirements for gaseous fuel, the permittee or fuel vendors may develop custom schedules for determination of the total sulfur content of gaseous fuels, based on the design and operation of the affected facility and the characteristics of the fuel supply, in accordance with 40 CFR 60.4370(c).
  - The two custom sulfur monitoring schedules set forth in 40 CFR 60.4370(c)(1)(i) through (iv) and 40 CFR 60.4370(c)(2) are acceptable without prior DEQ approval.

[P-2009.0092, 8/14/13; 40 CFR 60.4370]

4.30 Fuel Specifications Monitoring

The permittee shall monitor the fuel total sulfur content in grains of sulfur per 100 standard cubic feet of the natural gas supplied to the CT and to the duct burner using the methods described in the fuel total sulfur content monitoring and frequency of fuel total sulfur content monitoring requirements (Permit Conditions 4.28 and 4.29), to ensure compliance with fuel specifications (Permit Condition 4.16).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

4.31 Fuel Usage Monitoring

Each calendar month, the permittee shall monitor and record the following to ensure compliance with the fuel usage limit (Permit Condition 4.17).

- The amount of fuel combusted in the CT, in pounds (lb);
- The amount of fuel combusted in the duct burner, in pounds (lb);
- The amount of fuel combusted in both the CT and the duct burner (combined), in millions of pounds per 12 consecutive calendar month period (MM lb/yr).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

4.32 Ammonia Injection Flow Rate

Each hour that the CT is operated, the permittee shall monitor and record the ammonia injection flow rate to ensure compliance with the ammonia injection flow rate limit (Permit Condition 4.19).

- If a continuous monitoring system is used to monitor the ammonia injection flow rate, the 24-hour average ammonia injection flow rate (in gpm) shall be calculated and recorded to demonstrate compliance with the ammonia injection flow rate limit (Permit Condition 4.19). A 24-hour average ammonia injection flow rate is the arithmetic average of all flow rate data in gpm measured for a given hour and the twenty-three hours immediately preceding that hour.
- The monitoring and calculation methodology for the ammonia injection flow rate shall be described in the O&M manual (Permit Conditions 3.15 through 3.16).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

Performance Testing

4.33 Performance Tests

- A performance test shall be conducted at least once every 5 years on the HRSG stack to demonstrate compliance with the following emission limits, in accordance with IDAPA 58.01.01.211 and IDAPA 58.01.01.157:
  - The VOC BACT emission limit in ppm (Permit Condition 4.2).
  - The VOC BACT secondary emission limit for low-load events in ppm (Permit Condition 4.3). Each performance test at low-load shall be conducted with the CT operating at below 60% of base load.
  - The PM_{10} emission limit in lb/hr (Permit Condition 4.8).
  - The ammonia emission limit in ppm (Permit Condition 4.9).
  - The visible emission limit in percent opacity (Permit Condition 3.7).
- Each performance test shall be conducted in accordance with the test methods requirement (Permit Condition 3.23) and under the following operating conditions, unless otherwise approved by DEQ, in accordance with IDAPA 58.01.01.211:
  - Emissions shall be measured after the duct burner rather than directly after the CT. The duct burner must be in operation during each performance test (except when testing at low-load).
  - The permittee shall conduct three separate test runs for each performance test. The minimum time per run shall be 20 minutes.
  - Parameters shall be monitored and recorded as specified in the performance test monitoring requirement (Permit Condition 4.34).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.09]

4.34 Performance Test Monitoring

- The permittee shall monitor and record the following operating conditions for the CT and duct burner during each performance test, unless otherwise approved by DEQ:
  - The NO_x and CO CEMS continuous emissions data.
  - The CT and duct burner fuel flow rates in lb/hr, at least once every 20 minutes.
  - The SCR ammonia injection rate in gpm, at least once every 20 minutes.
  - The ambient temperature and relative humidity, at least once each test.
  - The average actual load as a percentage of the base load of the CT for each test.
  - The gross energy output of the CT and the duct burner for each test.
- The permittee shall furnish DEQ a written report of the results of each performance test, in accordance with IDAPA 58.01.01.157 and the performance testing requirements (Permit Condition 3.26).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-08, 4/5/00]

4.35 NSPS 40 CFR 60, Subpart KKKK – SO_2 Performance Tests

The permittee shall conduct SO_2 performance tests on an annual basis (no more than 14 calendar months following the previous performance test), in accordance with 40 CFR 60.4415(a) and using the methodologies provided in 40 CFR 60.4415(a).

[P-2009.0092, 8/14/13; 40 CFR 60.4415(a)]

Reporting

4.36 NSPS 40 CFR 60, Subpart KKKK – Reporting Requirements

- The permittee shall submit reports of excess emissions and monitor downtime in accordance with 40 CFR 60.7(c) (Permit Condition 3.27) and 40 CFR 60.4375(a). Excess emissions shall be reported for all periods of unit operation, including start-up, shutdown, and malfunction.
- If annual performance tests are performed in accordance with 40 CFR 60.4340(a), the permittee shall submit a written report of the results of each performance test before the close of business on the 60th day following the completion of the performance test, in accordance with 40 CFR 60.4375(b).

[P-2009.0092, 8/14/13; 40 CFR 60.4375]

4.37 NSPS 40 CFR 60, Subpart KKKK – Excess Emissions for NO_x

For the purpose of reports required under 40 CFR 60.7(c) (Permit Condition 3.27), periods of excess emissions and monitor downtime that must be reported are defined in 40 CFR 60.4380, in accordance with 40 CFR 60.4380.

- For turbines using CEMS, as described in 40 CFR 60.4335(b) and 40 CFR 60.4345 (Permit Condition 4.24):
  - An excess emissions is any unit operating period in which the 30-day rolling average NO_x emission rate exceeds the applicable emission limit in 40 CFR 60.4320 (Permit Condition 4.6). A 30-day rolling average NO_x emission rate is the arithmetic average of all hourly NO_x emission data in ppm or ng/J (lb/MWh) measured by the CEMS for a given day and the twenty-nine unit operating days immediately preceding that unit operating day. A new 30-day average is calculated each unit operating day as the average of all hourly NO_x emission rates for the preceding 30 unit operating days if a valid NO_x emission rate is obtained for at least 75 percent of all operating hours.
  - A period of monitor downtime is any unit operating hour in which the data for any of the following parameters are either missing or invalid: NO_x concentration, CO_2 or O_2 concentration, fuel flow rate, or megawatts.
  - For operating periods during which multiple emissions standards apply, the applicable standard is the average of the applicable standards during each hour. For hours with multiple emissions standards, the applicable limit for that hour is determined based on the condition that corresponded to the highest emissions standard.

[P-2009.0092, 8/14/13; 40 CFR 60.4380]

4.38 NSPS 40 CFR 60, Subpart KKKK – Excess Emissions for SO_2

For fuel sulfur content monitoring (Permit Condition 4.7), excess emissions and monitoring downtime are defined in 40 CFR 60.4385:

- For samples of gaseous fuel obtained using daily sampling, flow proportional sampling, or sampling from the unit's storage tank, an excess emission occurs each unit operating hour included in the period beginning on the date and hour of any sample for which the sulfur content of the fuel being fired in the CT exceeds the applicable limit and ending on the date and hour that a subsequent sample is taken that demonstrates compliance with the sulfur limit.
- A period of monitor downtime begins when a required sample is not taken by its due date. A period of monitor downtime also begins on the date and hour of a required sample, if invalid results are obtained. The period of monitor downtime ends on the date and hour of the next valid sample.

[P-2009.0092, 8/14/13; 40 CFR 60.4385]

4.39 NSPS 40 CFR 60, Subpart KKKK – Submittal of Reports

All reports required under 40 CFR 60.7(c) (Permit Condition 3.27) shall be postmarked by the 30th day following the end of each 6-month period, in accordance with 40 CFR 60.4395.

[P-2009.0092, 8/14/13; 40 CFR 60.4395]

5. Emergency Generator and Fire Pump

Table 5.1 contains a summary of requirements applicable to the emergency generator and the fire pump, for informational purposes only.

Table 5.1 Emergency Generator and Fire Pump Engine Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
3.7–3.9	Visible emissions	20% opacity for no more than 3 minutes in any 60-minute period	IDAPA 58.01.01.625	3.8–3.9, 3.17–3.22, 3.29–3.32
5.1, 5.3, 5.6–5.10, 5.13 (emergency generator)	$NMHC + NO_x$	6.4 g/kW-hr	40 CFR 52.21, 40 CFR 60.4205, 40 CFR 60.4206, 40 CFR 60.4209, 40 CFR 60.4211, 40 CFR 60.4212, 40 CFR 60.4214	5.6–5.10, 5.13, 3.14–3.16, 3.17–3.22, 3.27, 3.29–3.32
	CO	3.5 g/kW-hr		
	PM	0.20 g/kW-hr		
5.2, 5.4, 5.6–5.10, 5.13 (fire pump)	$NMHC + NO_x$	4.0 g/kW-hr		5.6–5.10, 5.13, 3.14–3.16, 3.17–3.22, 3.27, 3.29–3.32
	PM	0.20 g/kW-hr		
5.5, 5.6, 5.9, 5.11–5.12	Hours of operation for maintenance and testing	4 hr/day and 60 hr/yr (emergency generator)	40 CFR 60.4209, 40 CFR 60.4211(f) 40 CFR 60.4214, IDAPA 58.01.01.322.01	5.5, 5.6, 5.9, 5.11–5.12, 3.29–3.32
		2 hr/day and 40 hr/yr (fire pump)		
5.10, 3.12	Fuel Specifications	Use of ultra-low-sulfur diesel (ULSD)	40 CFR 60.4207(b), IDAPA 58.01.01.725	5.10, 3.12–3.13, 3.17–3.22, 3.27, 3.29–3.32

Emission Limits

5.1 PSD 40 CFR 52.21 – BACT Emission Limits for the Emergency Generator Engine

The permittee shall comply with the emission standards for the emergency generator engine (Permit Condition 5.3).

[P-2009.0092, 8/14/13; 40 CFR 52.21]

5.2 PSD 40 CFR 52.21 – BACT Emission Limits for the Fire Pump Engine

The permittee shall comply with the emission standards for the fire pump engine (Permit Condition 5.4).

[P-2009.0092, 8/14/13; 40 CFR 52.21]

5.3 NSPS 40 CFR 60, Subpart IIII – Emission Standards for the Emergency Generator Engine

The permittee shall comply with the emission standards for new nonroad compression ignition (CI) engines in 40 CFR 60.4202 for the emergency generator engine, for all pollutants, in accordance with 40 CFR 60.4205(b).

- The certification emission standards for new nonroad CI engines in Table 1 to 40 CFR 89.112:

Table 5.2 Summary of Table 1 to 40 CFR 89.112 — Emission Standards

Rated Power (kW)	Tier	NMHC+NO_x g/kW-hr	CO g/kW-hr	PM g/kW-hr
kW > 560	Tier 2	6.4	3.5	0.20

[P-2009.0092, 8/14/13; 40 CFR 60.4205(b)]

5.4 NSPS 40 CFR 60, Subpart IIII – Emission Standards for the Fire Pump Engine

The permittee shall comply with the emission standards in Table 4 to Subpart IIII of 40 CFR 60, for the fire pump engine, for all pollutants, in accordance with 40 CFR 60.4205(c):

Table 5.3 Summary of Table 4 to Subpart IIII OF NSPS 40 CFR 60 — Emission Standards for Stationary Fire Pump Engines

Maximum engine power	Model years	NMHC+NO_x g/kW-hr (g/HP-hr)	PM g/kW-hr (g/HP-hr)
225 ≤ kW < 450 (300 ≤ HP < 600)	2009+ [a]	4.0 (3.0)	0.20 (0.15)

a) In model years 2009–2011, manufacturers of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2008 model year engines.

[P-2009.0092, 8/14/13; 40 CFR 60.4205(c)]

Operating Requirements

5.5 Hours of Operation for Maintenance and Testing

- Operation of the emergency generator engine for maintenance and testing shall not exceed 4 hours per calendar day and shall not exceed 60 hours in any 12 consecutive calendar month period.
- Operation of the fire pump engine for maintenance and testing shall not exceed 2 hours per calendar day and shall not exceed 40 hours in any 12 consecutive calendar month period.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

5.6 NSPS 40 CFR 60, Subpart IIII – Compliance Requirements

- The emergency generator engine and the fire pump engine may be operated for the purpose of maintenance checks and readiness testing in accordance with 40 CFR 60.4211(f), provided that 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 shall be limited as provided in the hours of operation for maintenance and testing limit (Permit Condition 5.5), and in accordance with 40 CFR 60.4211(f)(2). There is no time limit on the use of emergency stationary internal combustion engines (ICE) in emergency situations.
    - Any operation other than emergency operation, and maintenance and testing is prohibited.
- The permittee shall operate and maintain the emergency generator engine and the fire pump engine and control devices according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, in accordance with 40 CFR 60.4211(a). In addition, the permittee may only change those settings that are permitted by the manufacturer. The permittee shall also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as applicable.
- The permittee shall comply by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b) or (c) (Permit Condition 5.3 or 5.4), as applicable, for the same model year and maximum (or in the case of fire pump engines, National Fire Protection Association nameplate) engine power, in accordance with 40 CFR 60.4211(c). The engine shall be installed and configured according to the manufacturer's specifications.

[P-2009.0092, 8/14/13; 40 CFR 60.4211]

5.7 PSD 40 CFR 52.21 – BACT Work Practices for the Emergency Generator Engine and Fire Pump Engine

The permittee shall utilize good combustion practices at all times to minimize emissions of regulated NSR pollutants from the emergency generator engine and the fire pump engine. Good combustion practices shall be identified and described in the O&M manual (Permit Conditions 3.15 through 3.16), and at a minimum shall include the instructions and procedures used to comply with compliance requirements and operating and maintenance requirements (Permit Conditions 5.6 and 5.8).

[P-2009.0092, 8/14/13; 40 CFR 52.21]

5.8 NSPS 40 CFR 60, Subpart IIII – Operating and Maintenance Requirements

The permittee shall operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 (Permit Conditions 5.3 and 5.4) according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer, over the entire life of the engine, in accordance with 40 CFR 60.4206.

[P-2009.0092, 8/14/13; 40 CFR 60.4206]

5.9 NSPS 40 CFR 60, Subpart IIII – Monitoring Requirements

The permittee shall meet the requirements of 40 CFR 60.4209, 40 CFR 60.4211, and 40 CFR 60.4214.

- The permittee shall install a non-resettable hour meter on the emergency generator engine and on the fire pump engine, prior to startup of each engine.

[P-2009.0092, 8/14/13; 40 CFR 60.4209; 40 CFR 60.4214]

5.10 NSPS 40 CFR 60, Subpart IIII – Fuel Specifications

The permittee shall use diesel fuel that meets the requirements of 40 CFR 80.510(b), in accordance with 40 CFR 60.4207.

- All nonroad diesel fuel is subject to the following per-gallon standards:
  - 15 parts per million by weight (ppmw) maximum sulfur content.
  - Minimum cetane index of 40, or maximum aromatic content of 35 volume percent.

[P-2009.0092, 8/14/13; 40 CFR 60.4207]

Monitoring and Recordkeeping

5.11 Daily Hours of Operation for Maintenance and Testing Monitoring

Each calendar day that the emergency generator engine or the fire pump engine are operated, the permittee shall monitor and record the following to ensure compliance with the daily hours of operation limits for maintenance and testing (Permit Condition 5.5):

- The operating hours of the emergency generator engine, in hours per calendar day.
- The operating hours of the fire pump engine, in hours per calendar day.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

5.12 Monthly Hours of Operation for Maintenance and Testing Monitoring

Each calendar month, the permittee shall monitor and record the following to ensure compliance with the annual hours of operation limits for maintenance and testing (Permit Condition 5.5):

- The operating hours of the emergency generator engine, in hours per calendar month and hours per 12 consecutive calendar month period.
- The operating hours of the fire pump engine, in hours per calendar month and hours per 12 consecutive calendar month period.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06-07, 5/1/94]

5.13 NSPS 40 CFR 60, Subpart IIII – Testing Requirements

If performance tests are conducted pursuant to 40 CFR 60, Subpart IIII, the permittee shall do so according to 40 CFR 60.4212(a) through (d), in accordance with 40 CFR 60.4212 and using the methodologies provided in 40 CFR 60.4212.

[P-2009.0092, 8/14/13; 40 CFR 60.4212]

6. Cooling Tower

Table 6.1 contains a description of control equipment used to control emissions from the cooling tower, for informational purposes only.

Table 6.1 Cooling Tower Control Device Descriptions

Emissions Unit	Control Devices	Emission Points
Cooling Tower	Drift eliminators Manufacturer: GEA	Cooling Tower Cell Stacks (CELL1, CELL2, CELL3, CELL4, CELL5, CELL6, CELL7)

Table 6.2 contains a summary of requirements applicable to the cooling tower, for informational purposes only.

Table 6.2 Cooling Tower Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
3.7–3.9	Visible emissions	20% opacity for no more than 3 minutes in any 60-minute period	IDAPA 58.01.01.625	3.8–3.9, 3.17–3.22, 3.29–3.32
6.1–6.5, 3.10	PM	Compliance with IDAPA 58.01.01.700-703 and with O&M requirements	40 CFR 52.21, IDAPA 58.01.01.322.01, IDAPA 58.01.01.700–703	6.1–6.5, 3.14–3.16, 3.17–3.22, 3.29–3.32
	TDS	TDS < 5,000 mg/L		
	Flow Rate	Flow < 76,151 gpm		

Operating Requirements

6.1 PSD 40 CFR 52.21 – BACT Drift Eliminators

The permittee shall install, operate, and maintain drift eliminators consistent with manufacturer's recommendations, to minimize PM emissions from the cooling tower.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

6.2 Drift Eliminators Operation

The permittee shall operate the respective drift eliminator at all times when a cooling tower cell is operated to ensure compliance with process weight limitations (Permit Condition 3.10).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

6.3 PSD 40 CFR 52.21 – BACT Work Practices for the Cooling Tower

The permittee shall utilize good operating practices at all times to minimize PM emissions from the cooling tower. Good operating practices for operation of the drift eliminators shall be identified and described in the O&M manual (Permit Conditions 3.15 through 3.16) and at a minimum shall include the following:

- Schedule and procedures for corrective action that will be taken if visible emissions are present from the cooling tower at any time.
- Schedule and procedures for routine inspection, maintenance, and repair/replacement of the drift eliminators.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

6.4 Solids Content and Flow Rate

- The total dissolved solids content of the cooling tower water shall not exceed 5,000 milligrams per liter (mg/L).
- The circulating flow rate of the cooling tower water shall not exceed 76,151 gallons per minute.

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.01, 3/19/99]

Monitoring and Recordkeeping

6.5 Solids Content and Flow Rate Monitoring

Each calendar day that the cooling tower is operated, the permittee shall monitor and record the total dissolved solids content and the circulating flow rate of the cooling tower water to demonstrate compliance with the solids content and flow rate requirements (Permit Condition 6.4), and to ensure compliance with process weight limitations (Permit Condition 3.10). Electronic archives are an acceptable form of documentation for recordkeeping.

[P-2009.0092, 8/14/13IDAPA 58.01.01.322.06-07, 5/1/94]

7. Dry Chemical Storage Silos

Table 7.1 contains a description of control equipment used to control emissions from the dry chemical storage silos, for informational purposes only.

Table 7.1 Dry Chemical Storage Silos Control Device Descriptions

Emissions Units	Control Devices	Emission Points
Dry chemical storage silos	Bin vent filters Manufacturer: Silosafe	Silo Stacks (SILO1, SILO2, SILO3)

Table 7.2 contains a summary of requirements applicable to the dry chemical storage silos, for informational purposes only.

Table 7.2 Dry Chemical Storage Silos Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
3.7–3.9	Visible emissions	20% opacity for no more than 3 minutes in any 60-minute period	IDAPA 58.01.01.625	3.8–3.9, 3.17–3.22, 3.29–3.32
7.1–7.3, 3.10	PM	Compliance with IDAPA 58.01.01.700-703 and with O&M requirements	40 CFR 52.21, IDAPA 58.01.01.700–703	7.1–7.3, 3.14–3.16, 3.17–3.22, 3.29–3.32

Operating Requirements

7.1 PSD 40 CFR 52.21 – BACT Bin Vent Filters

The permittee shall install, operate, and maintain bin vent filters consistent with manufacturer's recommendations, to minimize PM emissions from the dry chemical storage silos.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

7.2 Bin Vent Filter Operation

The permittee shall operate the respective bin vent filter at all times when material is transferred to a dry chemical storage silo to ensure compliance with process weight limitations (Permit Condition 3.10).

[P-2009.0092, 8/14/13; IDAPA 58.01.01.322.06, 5/1/94]

7.3 PSD 40 CFR 52.21 – BACT Work Practices for Dry Chemical Storage

The permittee shall utilize good operating practices at all times to minimize PM emissions from the dry chemical storage silos. Good operating practices for operation of the bin vent filters shall be identified and described in the O&M manual (Permit Conditions 3.15 through 3.16) and at a minimum shall include the following:

- Schedule and procedures for corrective action that will be taken if visible emissions are present from the bin vents at any time, including procedures to determine whether cartridges are ruptured, or are not appropriately secured in place.
- Schedule and procedures for routine inspection, maintenance, and repair/replacement of the bin vent filters.

[P-2009.0092, 8/14/13; 40 CFR 52.21]

8. Insignificant Activities

8.1 Activities and emissions units identified as insignificant under IDAPA 58.01.01.317.01(b) are listed in Table 8.1 to qualify for a permit shield. There are no monitoring, recordkeeping, or reporting requirements for insignificant emissions units or activities beyond those required in the facility-wide permit conditions (Section 3).

Table 8.1 Insignificant Activities

Description	Insignificant Activities IDAPA 58.01.01.317.01 Citation
Operation, loading and unloading of VOC storage tanks, 10,000 gallons capacity or less, with lids or other appropriate closure, vapor pressure not greater than 80 mmHg at 21 °C. Operation, loading and unloading of gasoline storage tanks, 10,000 gallons capacity or less, with lids or other appropriate closure.	(b)(i)3
Welding using not more than one ton per day of welding rod.	(b)(i)9
Space heaters and hot water heaters using natural gas, propane or kerosene and generating less than 5 MMBtu/hr.	(b)(i)18

[IDAPA 58.01.01.317.01(b)(i), 5/3/03]

9. Acid Rain

Table 9.1 contains a description of Acid Rain affected sources.

Table 9.1 Acid Rain Affected Sources

ORIS Code	Affected Units (Affected Source ID No.)	Commenced Commercial Operations
57028	Combustion turbine and duct burner (CT1)	April 13, 2012

Table 9.2 contains a summary of requirements applicable to the CT1, for informational purposes only.

Table 9.2 Acid Rain Applicable Requirements Summary

Permit Conditions	Parameters	Limits / Standards	Applicable Requirement References	Operating, Monitoring, Recordkeeping, and Reporting Requirements
9.1–9.3, 9.5–9.6, 9.7–9.8, 9.11–9.18	SO_2	Allowances ≥ annual SO_2 for previous year	40 CFR 72.9, 40 CFR 72.40, 40 CFR 72.50, 40 CFR 75, IDAPA 58.01.01.322.12	9.1–9.3, 9.5–9.6, 9.7–9.8, 9.11–9.18, 4.16, 4.28–4.29, 3.17–3.22, 3.29–3.32
9.4, 9.5–9.6, 9.7, 9.9–9.10, 9.11–9.18	NO_x and CO_2	Monitoring of NO_x and CO_2 emissions	40 CFR 72.9, 40 CFR 72.40, 40 CFR 72.50, 40 CFR 75	9.4, 9.5–9.6, 9.7, 9.9–9.10, 9.11–9.18, 4.13, 3.29–3.32 (see also requirements for NO_x in Table 4.2)

Acid Rain 40 CFR 72, Subpart F – Statement of Basis

In accordance with IDAPA 58.01.01, "Rules for the Control of Air Pollution in Idaho", and Titles IV and V of the Clean Air Act (CAA), DEQ issues this Acid Rain Permit pursuant to IDAPA 58.01.01.300.

[40 CFR 72.64]

SO_2 Emission Limits

9.1 Acid Rain 40 CFR 72, Subparts A, D, E – SO_2 Allowances

The permittee and CT1 shall comply with the applicable Acid Rain emissions limitations for SO_2, in accordance with 40 CFR 72. The permittee and CT1 shall hold allowances, as of the allowance transfer deadline, in the compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of SO_2 for the previous calendar year from the CT1.

[40 CFR 72.9(c)(1); 40 CFR 72.40(a)(1); 40 CFR 72.50(a)(1), (2)]

9.2 SO_2 Allowances

The permittee and CT1 shall comply with the following, in accordance with IDAPA 58.01.01.322.12:

- Emissions from the CT1 shall not exceed any allowances that the permittee or CT1 lawfully holds.
- No limit shall be placed on the number of allowances held by the permittee or CT1 and no permit revisions shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program, provided such increases do not require a permit revision under any other applicable requirement.
- The permittee or CT1 may not use allowances as a defense for noncompliance with any other applicable requirement.
- Any such allowance shall be accounted for according to the procedures established in 40 CFR 72 and 40 CFR 73.

[IDAPA 58.01.01.322.12]

9.3 Acid Rain 40 CFR 72, Subpart A – SO_2 Requirements

The permittee and CT1 shall comply with the following, in accordance with 40 CFR 72.9(c)(2) through (7):

- Each ton of SO_2 emitted in excess of the Acid Rain emissions limitations for SO_2 shall constitute a separate violation of the CAA, in accordance with 40 CFR 72.9(c)(2).
- Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- An allowance shall not be deducted in order to comply with the SO_2 allowances condition (Permit Condition 9.1) prior to the calendar year for which the allowance was allocated.
- An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit SO_2 in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR 72.7 or 40 CFR 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

[40 CFR 72.9(c)(2)-(7); 40 CFR 72.50(a)(1)]

NO_x Emission Limits

9.4 Acid Rain 40 CFR 72, Subpart B – NO_x Emissions

The permittee and CT1 shall comply with the applicable Acid Rain emissions limitations for NO_x, in accordance with 40 CFR 72.

[40 CFR 72.9(d); 40 CFR 72.40(a)(2); 40 CFR 72.50(a)(1), (3)]

Operating Requirements

9.5 Acid Rain 40 CFR 75, Subpart B – General Operating Requirements

- The permittee shall ensure that each CEMS meets the equipment, installation, and performance specifications in Appendix A to 40 CFR 75; and is maintained according to the QA/QC procedures in Appendix B to 40 CFR 75; and shall record emissions in the appropriate units of measurement (i.e., lb/MMBtu for NO_x).
- The permittee shall determine and record the heat input rate, in units of MMBtu/hr, to the CT and to the duct burner for every hour or part of an hour any fuel is combusted following the procedures in Appendix F to 40 CFR 75.
- The permittee shall ensure that all CEMS are in operation and monitoring emissions all times that the CT1 combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and Appendix B to 40 CFR 75, periods of repair, periods of backups of data from the DAHS, or recertification performed pursuant to 40 CFR 75.20. The permittee shall ensure that the following requirements are met:
    - The permittee shall ensure that each CEMS is capable of completing a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-min interval. The permittee shall reduce all volumetric flow, CO_2 concentration, O_2 concentration, CO_2 mass emissions, NO_x concentration, and NO_x emission rate data collected by the monitors to hourly averages. Hourly averages shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly average may be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour) if data are unavailable as a result of the performance of calibration, quality assurance, or preventive maintenance activities pursuant to 40 CFR 75.21 and Appendix B to 40 CFR 75, or backups of data from the DAHS, or recertification, pursuant to 40 CFR 75.20. The permittee shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour.
    - Failure of a CO_2, or O_2 emissions concentration monitor, NO_x concentration monitor, flow monitor, moisture monitor, or NO_x-diluent CEMS to acquire the minimum number of data points for calculation of an hourly average shall result in the failure to obtain a valid hour of data and the loss of such component data for the entire hour. For a NO_x-diluent monitoring system, an hourly average NO_x emission rate in lb/MMBtu is valid only if the minimum number of data points is acquired by both the NO_x pollutant concentration monitor and the diluent monitor (O_2 or CO_2). For a moisture monitoring system consisting of one or more oxygen analyzers capable of measuring O_2 on a wet-basis and a dry-basis, an hourly average percent moisture value is valid only if the minimum number of data points is acquired for both the wet-and dry-basis measurements. If a valid hour of data is not obtained, the permittee shall estimate and record emissions, moisture, or flow data for the missing hour by means of the automated DAHS, in accordance with the applicable procedure for missing data substitution in Subpart D of 40 CFR 75 (Permit Condition 9.12).
- If two or more NO_x CEMS are used to monitor the same stack, the permittee shall comply with the optional backup CEMS requirements in 40 CFR 75.10(e).
- The permittee shall ensure that each CEMS is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in Sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of Appendix A to 40 CFR 75.

- The permittee shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in Subparts F and G of 40 CFR 75 (Permit Conditions 9.14–9.18).

[40 CFR 75.10(b)-(g)]

9.6 Acid Rain 40 CFR 75, Subpart C – Operation and Maintenance Requirements

The permittee shall ensure that each CEMS required by 40 CFR 75 meets the certification requirements of 40 CFR 75.20 through 40 CFR 75.24, in accordance with 40 CFR 75, Subpart C.

- Initial certification and recertification procedures.
- QA/QC requirements.
- Reference test methods.
- Out-of-control periods and adjustment for system bias.

[40 CFR 75, Subpart C]

Monitoring, Recordkeeping, and Reporting

9.7 Acid Rain 40 CFR 72, Subpart A – Monitoring Requirements

The permittee and CT1 shall comply with the following, in accordance with 40 CFR 72.9(b):

- The permittee shall comply with the monitoring requirements as provided in 40 CFR 75 (Permit Conditions 4.13, 9.5–9.10, and 9.11–9.18).
- The emissions measurements recorded and reported in accordance with 40 CFR 75 shall be used to determine compliance by the permittee or CT1, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the Acid Rain Program.
- The requirements of 40 CFR 75 shall not affect the responsibility of the permittee to monitor emissions of other pollutants or other emissions characteristics at the CT1 under other applicable requirements of the CAA and other provisions of this permit.

[40 CFR 72.9(b); 40 CFR 72.50(a)(1)]

9.8 Acid Rain 40 CFR 75, Subpart B – SO_2 Emissions

The permittee shall determine SO_2 emissions in accordance with 40 CFR 75.11(d)(2) and (e)(1) and 40 CFR 75.16(e), or 40 CFR 75.19.

- If the gaseous fuel qualifies for a default SO_2 emission rate under Section 2.3.1.1, 2.3.2.1.1, or 2.3.6(b) of Appendix D to 40 CFR 75, the permittee may determine SO_2 emissions by using Equation F-23 in Appendix F to 40 CFR 75. Substitute into Equation F-23 the hourly heat input, calculated using the certified flow monitoring system and the certified diluent monitor (according to the applicable equation in section 5.2 of Appendix F to 40 CFR 75), in conjunction with the appropriate default SO_2 emission rate from section 2.3.1.1, 2.3.2.1.1, or 2.3.6(b) of Appendix D to 40 CFR 75. When this option is chosen, the permittee shall perform the necessary DAHS system tests under 40 CFR 75.20(c), and shall meet all QA/QC requirements in Appendix B to 40 CFR 75 for the flow monitor and the diluent monitor.
    - The permittee shall sample natural gas total sulfur content at least once each calendar year and whenever the fuel supply source changes, in accordance with the applicable procedures in Sections 2.3.3.1.2, 2.3.4, and 2.3.1.4(e) of Appendix D to 40 CFR 75.

[40 CFR 75.11(d)(2), (e)(1); 40 CFR 75.16(e); 40 CFR 75.19]

9.9 Acid Rain 40 CFR 75, Subpart B – NO_x Emissions

The permittee shall measure NO_x emissions for the CT1 in accordance with 40 CFR 75.10(a)(2) (Permit Condition 4.13) and 40 CFR 75.17(a), or 40 CFR 75.19.

- The permittee shall account for total NO_x emissions, both NO and NO_2, either by monitoring for both NO and NO_2 or by monitoring for NO only and adjusting the emissions data to account for NO_2.
  - The permittee shall calculate hourly, monthly, quarterly, and annual NO_x emission rates (in lb/MMBtu) by combining the NO_x concentration (in ppm), diluent concentration (in percent O_2 or CO_2), and percent moisture (if applicable) measurements according to the procedures in Appendix F to 40 CFR 75.
  - If a correction for the stack gas moisture content is needed to properly calculate the NO_x emission rate (e.g., if the NO_x pollutant concentration monitor measures on a different moisture basis from the diluent monitor), the permittee shall either report a fuel-specific default moisture value for each unit operating hour, as provided in 40 CFR 75.11(b)(1), or shall install, operate, maintain, and quality assure a continuous moisture monitoring system, as defined in 40 CFR 75.11(b)(2).

[40 CFR 75.10(a)(2); 40 CFR 75.12(b), (c); 40 CFR 75.17(a); 40 CFR 75.19]

9.10 Acid Rain 40 CFR 75, Subpart B – CO_2 Monitoring

The permittee shall determine CO_2 emissions by using one of the compliance options under 40 CFR 75.10(a)(3), except as provided in 40 CFR 75.13, in accordance with 40 CFR 75.10(a)(3).

- The permittee shall calculate daily, quarterly, and annual CO_2 mass emissions (in tons) based on the measured carbon content of the fuel and the amount of fuel combusted, in accordance with the procedures in Appendix G to 40 CFR 75.
  - $$W_{CO_2} = \left(\frac{F_c \times H \times U_f \times MW_{CO_2}}{2000} \right)$$ (Eqn. G-4)

[40 CFR 75.10(a)(3)(ii); 40 CFR 75.13(b)]

9.11 Acid Rain 40 CFR 72, Subpart A – Excess Emissions Requirements

In accordance with 40 CFR 72.9(e), if the CT1 has excess emissions in any calendar year, the permittee shall:

- Submit a proposed offset plan as required under 40 CFR 77.
- Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77.
- Comply with the terms of an approved offset plan, as required by 40 CFR 77.

[40 CFR 72.9(e); 40 CFR 72.50(a)(1)]

9.12 Acid Rain 40 CFR 75, Subpart D – Missing Data Substitution Procedures

Except as provided in 40 CFR 75.34, the permittee shall provide substitute data for the CT1 according to the missing data procedures in 40 CFR 75, Subpart D.

- General provisions.
- Initial missing data procedures.
- Determination of monitor data availability for standard missing data procedures.
- Standard missing data procedures for SO_2, NO_x, and flow rate.
- Units with add-on emission controls.
- Missing data procedures for CO_2.
- Missing data procedures for heat input rate determinations.
- Missing data procedures for moisture.

[40 CFR 75, Subpart D]

9.13 Acid Rain 40 CFR 72, Subpart A – Recordkeeping and Reporting Requirements

The permittee and CT1 shall comply with the following, in accordance with 40 CFR 72.9(f):

- Unless otherwise specified, the permittee shall keep on site at the CT1 each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by DEQ or by the EPA:
  - The certificate of representation for the permittee for the CT1, CT, and duct burner and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
  - All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that 40 CFR 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
  - Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
  - Copies of all documents used to complete an Acid Rain Permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- The permittee shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 72 Subpart I and 40 CFR 75.

[40 CFR 72.9(f); 40 CFR 72.50(a)(1)]

9.14 Acid Rain 40 CFR 75, Subpart F – Monitoring Plan

The permittee shall prepare and maintain a monitoring plan that meets the requirements of 40 CFR 75.53(a), (b), (g), and (h), in accordance with 40 CFR 75.53.

- Except as provided in 40 CFR 75.53(h) (as applicable), a monitoring plan shall contain sufficient information on the CEMS, excepted methodology under 40 CFR 75.19, or excepted monitoring systems under Appendix D or E to 40 CFR 75 and the use of data derived from these systems to demonstrate that all unit SO_2 emissions, NO_x emissions, and CO_2 emissions are monitored and reported.
- Whenever a replacement, modification, or change in the certified CEMS, excepted methodology under 40 CFR 75.19, excepted monitoring system under Appendix D or E to 40 CFR 75, or alternative monitoring system under Subpart E of 40 CFR 75, including a change in the automated DAHS or in the flue gas handling system, that affects information reported in the monitoring plan (e.g., a change to a serial number for a component of a monitoring system), then the permittee shall update the monitoring plan, by the applicable deadline specified in 40 CFR 75.62 or elsewhere in 40 CFR 75.
- Each monitoring plan shall contain the information in 40 CFR 75.53(g)(1) in electronic format and the information in 40 CFR 75.53(g)(2) in hardcopy format. Electronic storage of all monitoring plan information, including the hardcopy portions, is permissible provided that a paper copy of the information can be furnished upon request for audit purposes.
- When the optional protocol in Appendix D to 40 CFR 75 is used for estimating heat input and/or SO_2 mass emissions, the permittee shall include the information in 40 CFR 75.53(h)(1)(i) in electronic format and the information in 40 CFR 75.53(h)(1)(ii) in hardcopy format for each fuel flowmeter system in the monitoring plan.

- For each unit for which the permittee claims an opacity monitoring exemption under 40 CFR 75.14, the permittee shall include in the hardcopy monitoring plan the information specified under 40 CFR 75.14(b), (c), or (d), demonstrating that the unit qualifies for the exemption.
- For qualification as a gas-fired unit, as defined in 40 CFR 72.2, the permittee shall include in the monitoring plan, in electronic format, the following: current calendar year, fuel usage data for three calendar years (or ozone seasons) as specified in the definition of gas-fired in 40 CFR 72.2, the method of qualification used, and an indication of whether the data are actual or projected data. Provide the activation date and deactivation date (if applicable) for the gas-fired unit qualification information.

[40 CFR 75.53]

9.15 Acid Rain 40 CFR 75, Subpart F – General Recordkeeping

The owner or operator shall meet all of the applicable recordkeeping requirements of 40 CFR 75.57, in accordance with 40 CFR 75.57.

- The permittee shall maintain for the CT and the duct burner a file of all measurements, data, reports, and other information required by 40 CFR 75 at the source in a form suitable for inspection for at least three (3) years from the date of each record. The file shall contain the information specified in 40 CFR 75.57(a).
- The permittee shall record for each hour the information specified in 40 CFR 75.57(b) on unit operating time, heat input rate, and load, separately for the CT and the duct burner and also for both units combined when a common monitoring system or common fuel flowmeter are used.
- The permittee shall record the applicable information required by 40 CFR 75.57(d) for the CT and the duct burner for each hour or partial hour during which the unit operates, except when the optional protocol or methodology as provided in 40 CFR 75.57(d) is used. For each NO_x emission rate (in lb/MMBtu) measured by a NO_x-diluent monitoring system, or, if applicable, for each NO_x concentration (in ppm) measured by a NO_x concentration monitoring system used to calculate NO_x mass emissions under 40 CFR 75.71(a)(2), record the data specified in 40 CFR 75.57(d) as measured and reported from the certified primary monitor, certified back-up monitor, or other approved method of emissions determination.
- The permittee shall record or calculate CO_2 emissions for the CT and the duct burner using one of the methods specified in 40 CFR 75.57(e).
- For a unit using a flow monitor and an O_2 diluent monitor to determine heat input, in accordance with Equation F-17 or F-18 of Appendix F to 40 CFR 75, or for a unit that accounts for heat input using a flow monitor and a CO_2 diluent monitor (which is used only for heat input determination and is not used as a CO_2 pollutant concentration monitor), the permittee shall keep the records specified in 40 CFR 75.57(g) for the O_2 or CO_2 diluent monitor.
- The permittee shall record the causes of any missing data periods and the actions taken by the owner or operator to correct such causes, in accordance with 40 CFR 75.57(h).

[40 CFR 75.57]

9.16 Acid Rain 40 CFR 75, Subpart F – General Recordkeeping for Specific Situations

The owner or operator shall meet all of the applicable recordkeeping requirements of 40 CFR 75.58, in accordance with 40 CFR 75.58.

- In accordance with 40 CFR 75.34, the permittee shall either record the applicable information in 40 CFR 75.58(b)(3) for each hour of missing NO_x emission rate (in addition to other information), or shall record the information in 40 CFR 75.58(b)(2) for NO_x through an automated DAHS.

- In lieu of recording the information in 40 CFR 75.57(c), the permittee shall record the applicable information in 40 CFR 75.58(c) for the CT and the duct burner for which the permittee is using the optional protocol in Appendix D to 40 CFR 75 for estimating SO_2 mass emissions.
- In lieu of recording the information in 40 CFR 75.57(b) through (e), the permittee shall record the information in 40 CFR 75.58(f) for the CT and the duct burner for which the optional low mass emissions excepted methodology in 40 CFR 75.19(c) is used.

[40 CFR 75.58]

9.17 Acid Rain 40 CFR 75, Subpart F – Certification and QA/QC Recordkeeping

The owner or operator shall meet all of the applicable recordkeeping requirements of 40 CFR 75.59, in accordance with 40 CFR 75.59.

- The permittee shall record the applicable information in 40 CFR 75.59(a) for each certified monitor or certified monitoring system (including certified backup monitors) measuring and recording emissions or flow from the CT1.
- The permittee shall record the applicable information in 40 CFR 75.59(b) for each excepted monitoring system following the requirements of Appendix D to 40 CFR 75 for determining and recording emissions from the CT1.
- Except as otherwise provided in 40 CFR 75.58(b)(3)(i), for units with add-on NO_x emission controls following the provisions of 40 CFR 75.34(a)(1) or (a)(2), the permittee shall keep the records specified in 40 CFR 75.59(c) on-site in the QA/QC plan required by Section 1 of Appendix B to 40 CFR 75.
- When the optional SO_2, NO_x and CO_2 emissions calculations for low mass emissions units under 40 CFR 75.19 are used, the permittee shall record the information specified in 40 CFR 75.59(d) for tests performed to determine a fuel and unit-specific default as provided in 40 CFR 75.19(c)(1)(iv).
- For each DAHS (missing data and formula) verification that is required for initial certification, recertification, or for certain diagnostic testing of a monitoring system, the permittee shall record the date and hour that the DAHS verification is successfully completed. This requirement only applies to units that report monitoring plan data in accordance with 40 CFR 75.53(g) and (h) (Permit Condition 9.14).

[40 CFR 75.59]

9.18 Acid Rain 40 CFR 75, Subpart G – Reporting Requirements

The permittee shall comply with all reporting requirements in 40 CFR 75. The permittee shall submit notices, monitoring plans, recertification applications, and quarterly reports to EPA and to DEQ for all purposes identified in 40 CFR 75.60 through 40 CFR 75.64, in accordance with 40 CFR 75.60 through 40 CFR 75.64. This includes, but is not limited to:

- Recertification applications and test notifications.
- Monitoring plans.
- Electronic quarterly reports.
- Petitions, correspondence, application forms, designated representative signature, and petition-related test results in hardcopy to EPA. Additional petition requirements are specified in 40 CFR 75.66 and 40 CFR 75.67.
- Periodic RATA. Hardcopy RATA reports shall be submitted within 45 days after completing a required semiannual or annual RATA according to Section 2.3.1 of Appendix B to 40 CFR 75, or within 15 days of receiving the request, whichever is later. The permittee shall report the hardcopy information required by 40 CFR 75.59(a)(9).

[40 CFR 75.60-64]

General Provisions

9.19 Acid Rain 40 CFR 72, Subpart A – Liability

The permittee and CT1 shall comply with the following, in accordance with 40 CFR 72.9(g):

- Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 40 CFR 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the CAA.
- Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the CAA and 18 U.S.C. 1001.
- No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the permittee.
- Any provision of the Acid Rain Program that applies to the CT1 (including a provision applicable to the designated representative) shall also apply to the permittee.
- Each violation of a provision of 40 CFR 72 through 40 CFR 78 by the CT1, the CT, or the duct burner, or by the permittee or designated representative, shall be a separate violation of the CAA.

[40 CFR 72.9(g); 40 CFR 72.50(a)(1)]

9.20 Acid Rain 40 CFR 75, Subpart A – Prohibitions

The permittee and CT1 shall comply with the following, in accordance with 40 CFR 75.5:

- A violation of any applicable regulation in 40 CFR 75 by the permittee is a violation of the CAA.
- The permittee shall not operate the CT1 without complying with the requirements of 40 CFR 75.2 through 40 CFR 75.75 and Appendices A through G to 40 CFR 75.
- The permittee shall not use any alternative monitoring system, alternative reference method, or any other alternative for the required CEMS without having obtained EPA's written approval in accordance with 40 CFR 75.23, 40 CFR 75.48, and 40 CFR 75.66.
- The permittee shall not operate the CT1 so as to discharge, or allow to be discharged, emissions of SO_2, NO_x or CO_2 to the atmosphere without accounting for all such emissions in accordance with the provisions of 40 CFR 75.10 through 40 CFR 75.19.
- The permittee shall not disrupt the CEMS, any portion thereof, or any other approved emission monitoring method, and thereby avoid monitoring and recording SO_2, NO_x, or CO_2 emissions discharged to the atmosphere, except for periods of recertification, or periods when calibration, quality assurance, or maintenance is performed pursuant to 40 CFR 75.21 and Appendix B to 40 CFR 75.
- The permittee shall not retire or permanently discontinue use of the CEMS, any component thereof, or any other approved emission monitoring system under 40 CFR 75, except under any one of the circumstances identified in 40 CFR 75.5(f).

[40 CFR 75.5]

10. General Provisions

General Compliance

10.1 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)]

10.2 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)]

10.3 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

10.4 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 70.6(a)(6)(iii); 40 CFR 70.7(f)(1), (2)]

10.5 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

10.6 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

10.7 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)]

10.8 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 58.01.01.128, 4/5/00; IDAPA 58.01.01.322.15.g, 5/1/94; 40 CFR 70.6(a)(6)(v)]

Severability

10.9 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

10.10 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); 40 CFR 70.7(d), (e)]

10.11 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 Clean Air Act (CAA), 42 United States Code (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 58.01.01.209.05, 4/11/06; IDAPA 58.01.01.381–385, 4/5/00; 40 CFR 70.4(b)(14), (15)]

Federal and State Enforceability

10.12 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), (2)]

10.13 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

10.14 Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:

- 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.
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit.
- Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

- 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 Applicable Requirements

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

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

Fees

10.16 The permittee 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

10.17 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 70.5(d); 40 CFR 70.6(a)(3)(iii)(A)]

Renewal

10.18 The permittee 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 permittee 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)]

10.19 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

10.20 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:

- Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
- 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.
- 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).
- Nothing in this permit shall alter or affect the following:
  - Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers.

- The liability of a permittee for any violation of applicable requirements prior to or at the time of permit issuance.
- The applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. Section 7651(g)(a).
- 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, 5/1/94; IDAPA 58.01.01.325, 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

10.21 The permittee shall comply with the following:

- For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
- 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.
- 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.
- For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.

[IDAPA 58.01.01.314.9, 5/1/94; IDAPA 58.01.01.314.10, 4/5/00; IDAPA 58.01.01.322.10, 4/5/00; 40 CFR 70.6(c)(3) and (4)]

Periodic Compliance Certification

10.22 The permittee shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:

- The compliance certifications for all emissions units shall be submitted annually from January 1 to December 31 or more frequently if specified by the underlying applicable requirement or elsewhere in this permit by DEQ.
- 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.
- 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):
  - The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
  - The identification of the method(s) or other means used by the permittee 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.
  - 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 64 occurred.
    - Such information as DEQ may require to determine the compliance status of the emissions unit.
- 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

10.23 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

10.24 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

10.25 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 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 58.01.01.322.08.c, 4/5/00; IDAPA 58.01.01.322.15.q, 3/23/98; 40 CFR 70.6(a)(3)(iii)]

Reporting Deviations and Excess Emissions

10.26 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 58.01.01.135, 4/11/06; IDAPA 58.01.01.322.15.q, 3/23/98; 40 CFR 70.6(a)(3)(iii)]

Permit Revision Not Required

10.27 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

10.28 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)]