

AIR QUALITY DIVISION
CHAPTER 6, SECTION 3
OPERATING PERMIT

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
122 West 25th Street
Cheyenne, Wyoming 82002



PERMIT NO. 3-2-158-1

Issue Date: **October 29, 2013**
Expiration Date: **June 24, 2014**
Effective Date: **October 29, 2013**
Replaces Permit No.: **3-2-158**

In accordance with the provisions of W.S. §35-11-203 through W.S. §35-11-212 and Chapter 6, Section 3 of the Wyoming Air Quality Standards and Regulations,

Black Hills Power, Inc.
(Amended October 22, 2009)
Neil Simpson Station II
Section 27, Township 50 North, Range 71 West
Campbell County, Wyoming

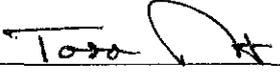
is authorized to operate a stationary source of air contaminants consisting of emission units described in this permit. The units described are subject to the terms and conditions specified in this permit. All terms and conditions of the permit are enforceable by the State of Wyoming. All terms and conditions of the permit, except those designated as not federally enforceable, are enforceable by EPA and citizens under the Act. A copy of this permit shall be kept on-site at the above named facility.



Steven A. Dietrich, Administrator
Air Quality Division

10-29-13

Date



Todd Parfitt, Director
Department of Environmental Quality

10/29/13

Date

WAQSR CHAPTER 6, SECTION 3 OPERATING PERMIT

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

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GENERAL INFORMATION
(Amended October 22, 2009)

Company Name: *Black Hills Power Inc.*

Mailing Address: P.O. Box 1400

City: Rapid City State: SD Zip: 57709

Plant Name: Neil Simpson Station II

Plant Location: Section 27, Township 50 North, Range 71 West, Campbell County, WY
(approximately six miles east of Gillette)

Plant Mailing Address: 13151 Highway 51, HCR #81

City: Gillette State: WY Zip: 82718-9716

Name of Owner: *Black Hills Power Inc.* Phone: (605) 721-2286

Responsible Official: Mark Lux Phone: (303) 568-3241

Plant Manager/Contact: Ron Kocourek Phone: (307) 682-3771

DEQ Air Quality Contact: District 3 Engineer Phone: (307) 673-9337
1866 S. Sheridan Avenue
Sheridan, WY 82801

SIC Code: 4911

Description of Process: This is an electric power generating facility, with an 80 megawatt coal fired boiler and two, 40 megawatt natural gas fired simple cycle combustion turbines.

SOURCE EMISSION POINTS

(modified October 29, 2013)

This table may not include any or all insignificant activities at this facility.

SOURCE ID#	SOURCE DESCRIPTION	SIZE	CH. 6, SEC. 2 PERMITS
1	B&W Pulverized Coal-Fired Boiler (Electrostatic Precipitator/Dry Scrubber/LoNO _x)	1,300 MMBtu/hr	CT-1028, MD-398, MD-1032, AP-8924
2	Top of Coal Storage Silo (Baghouse)	2100 TPH	CT-1028
3	Top of Boiler Building - Coal (Baghouse)	300 TPH	CT-1028
4	Bottom of Coal Storage Silo (PECS) ⁽¹⁾	300 TPH	AP-3431
5	Top of Fly Ash Building (Baghouse)	30 TPH	CT-1028
6	Fly Ash Bin Vent (Baghouse)	30 TPH	Permittee letter 9/21/94
7	Lime Storage Silo (Baghouse)	7.9 TPH	CT-1028
8	Waste Ash Haul Road Fugitive Emissions	N/A	AP-8405-1
9	Coal Conveying Fugitive Emissions (enclosed)	64.4 TPH	None
10	Above-Ground Diesel Fuel Storage Tank	20,000 gallons	None
11	SCCT1- Simple Cycle Combustion Turbine (GE LM6000PD natural gas fired)	40 MW	MD-441A
12	SCCT1 Inlet Air Heater (natural gas fired)	17.5 MMBtu/hr	MD-604A
13	SCCT2- Simple Cycle Combustion Turbine (GE LM6000PD natural gas fired)	40 MW	MD-441A
14	SCCT2 Inlet Air Heater (natural gas fired)	17.5 MMBtu/hr	MD-604A
15	Emergency Diesel Fire Pump (Caterpillar 3406B diesel generator engine)	292 hp	MD-10901
16	Mercury Sorbent Silo (Bin Vent Filter)	10 TPH	MD-10901
None	Hanover Company Heater	3.6 MMBtu/hr	AP-6599
None	Hanover Company Heater	3.0 MMBtu/hr	None
None	Unloading Dry Waste Fugitive Emissions	N/A	CT-1028

⁽¹⁾ Passive Enclosure Dust Control System (PECS)

TOTAL FACILITY ESTIMATED EMISSIONS

(modified October 29, 2013)

For informational purposes only. These emissions are not to be assumed as permit limits.

POLLUTANT	EMISSIONS (TPY)
CRITERIA POLLUTANT EMISSIONS	
Particulate Matter	166
PM ₁₀ Particulate Matter	31
Sulfur Dioxide (SO ₂)	924
Nitrogen Oxides (NO _x)	1324
Carbon Monoxide (CO)	940
Volatile Organic Compounds (VOCs)	130
HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS	
OTHER-Sulfuric Acid (H ₂ SO ₄)	15

Emission estimates for particulate matter, SO₂, NO_x, CO and VOCs are based on permitted limits, **AP-42 emission factors** and manufacturer's data. H₂SO₄ emission estimates are based on mass balance. HAP emission estimates are from the operating permit renewal application.

FACILITY-SPECIFIC PERMIT CONDITIONS

Facility-Wide Permit Conditions

- (F1) **PERMIT SHIELD [WAQSR Ch 6, Sec 3(k)]**
Compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance.
- (F2) **ACID RAIN AND TITLE IV ALLOWANCES**
[WAQSR Ch 6, Sec 3(h)(i)(A)(II) and (h)(i)(D), and W.S. 35-11-212(a)]
- (a) Where an applicable requirement of this operating permit is more stringent than an applicable requirement of the Acid Rain portion of this permit, both shall apply to the permittee and are enforceable by EPA and the Division.
 - (b) Emissions from this facility shall not exceed any allowances that the permittee lawfully holds under title IV of the Clean Air Act or the regulations promulgated thereunder.
- (F3) **SULFUR DIOXIDE EMISSIONS INVENTORY [WAQSR Ch 14, Sec 3]**
The permittee shall comply with the requirements of WAQSR Ch 14, Sec 3, including estimating SO₂ emissions in accordance with Ch 14 Sec 3(b), and adjusting estimates in accordance with Ch 14 Sec 3(c), if necessary.

Source-Specific Permit Conditions

- (F4) **VISIBLE EMISSIONS [WAQSR Ch 3, Sec 2; Ch 6, Sec 2 Permits/Waivers CT-1028, MD-441A, AP-3431 and MD-10901; and 40 CFR 60 Subpart Y] (modified October 29, 2013)**
- (a) Visible emissions discharged into the atmosphere from the coal preparation facilities, including sources 2, 3, and 9, shall not exhibit 20 percent opacity or greater.
 - (b) Visible emissions from sources 1, 5, 6, 7, 11, 13 and 16 shall not exceed 20 percent opacity.
 - (c) The Passive Enclosure Dust Control System (PECS) controlling visible emissions from the bottom of the coal silo (source 4) shall be operated and maintained so that the system exhibits no visible emissions as determined by Method 22, 40 CFR Part 60, Appendix A.
 - (d) **Visible emissions from the emergency Caterpillar 3406B diesel engine (source 15) shall not exceed 30 percent opacity except for periods not exceeding ten consecutive seconds. This limitation shall not apply during a reasonable period of warmup following a cold start or where undergoing repairs and adjustment following a malfunction.**
 - (e) Visible emissions of any contaminant discharged into the atmosphere from any other single emission source shall not exhibit greater than 20 percent opacity except for one period or periods aggregating not more than six minutes in any one hour of not more than 40 percent opacity.
- (F5) **ASH LOADING FUGITIVE EMISSIONS**
[WAQSR Ch 6, Sec 2 Permits/Waivers CT-1028 and AP-8405-1]
- (a) The permittee shall use a wet handling system for the waste ash load-out. The system shall use a pug mill to mix the ash to a consistent moisture content of 15 to 25% prior to loading into the ash haul truck. Lime and ash shall be entirely enclosed in the haul trucks whenever the wet handling system is not operating.
 - (b) To eliminate fugitive emissions from unloading dry waste, the permittee shall operate and maintain a telescoping chute with a recirculation fan pulling air from the area surrounding the discharge chute. This system shall be maintained to minimize any fugitive emissions when in use.
- (F6) **TRANSPORT FUGITIVE EMISSIONS [WAQSR Ch 6, Sec 2 Waiver AP-8405-1]**
Unpaved haul roads shall be treated with suitable chemical dust suppressants in addition to water to control fugitive dust emissions. All treated roads shall be maintained on a continuous basis to the extent the surface treatment remains viable as a control measure.

- (F7) **BOILER EMISSIONS** [WAQSR Ch 6, Sec 2 Permits CT-1028, MD-398 and MD-1032]
Emissions from the boiler stack (source 1) shall not exceed the limits shown in Table I of this permit.

Pollutant	lb/MMBtu		lb/hr	TPY
SO ₂ (3-hr block average)	0.20		203	889 ¹
SO ₂ (30-day rolling average) ²	0.17	for SO ₂ IN ≤ 2.14 lb/MMBtu		
	0.17 + 0.0294 (SO ₂ IN-2.14)	for SO ₂ IN > 2.14 lb/MMBtu and SO ₂ IN < 3.16 lb/MMBtu		
	0.20	for SO ₂ IN ≥ 3.16 lb/MMBtu		
Particulate	0.02		20	89
NO _x	0.23 ^{3,4}		299.0 ^{3,4}	1022 ⁴
CO	0.15		152	666
VOC's	0.015		15	66

- ¹ Compliance with the lb/hr limit for SO₂ is considered compliance with the TPY limit.
² SO₂IN is the 30-day rolling average SO₂ level as measured in lb/MMBtu at the inlet to the scrubber system.
³ 30-day rolling average.
⁴ Compliance with NO_x limits is determined by monitoring data from the continuous emissions monitoring system.

- (F8) **BAGHOUSE AND BIN VENT FILTER EMISSIONS**
[WAQSR Ch 6, Sec 2 Permits CT-1028, MD-10901 and permittee letter September 21, 1994] (modified October 29, 2013)
Particulate emissions from the baghouses and bin vent filters shall not exceed the limits shown in Table II.

SOURCE ID#	SOURCE DESCRIPTION	Particulate Emission Limits		
		gr/acl	lb/hr	TPY
2	Top of Coal Storage Silo	0.01	0.5	3
3	Top of Boiler Building	0.01	1.0	4
5	Top of Fly Ash Building	0.01	0.3	1
6	Fly Ash Bin Vent	0.01	0.2	1
7	Lime Storage Silo	0.01	0.04	1
		gr/dscf		
16	Mercury Sorbent Silo Vent	0.005	0.2	0.9

- (F9) **ENGINE AND HEATER EMISSIONS** (Amended May 12, 2010)
[WAQSR Ch 3, Sec 3; Ch 6, Sec 2 Permits MD-604A, MD-441A and MD-10901] (modified October 29, 2013)
- The turbine engines (sources 11 and 13) shall only be fired with pipeline quality natural gas.
 - Each inlet air heater (sources 12 and 14) shall be limited to natural gas consumption of 54,151,625 standard cubic feet per year.
 - Emissions from the turbine engines and inlet air heaters shall not exceed the limits shown in Table III.
 - NO_x emissions from the two Hanover heaters shall not exceed 0.20 lb/MMBtu heat input.
 - Emissions from the emergency Caterpillar 3406B diesel engine (source 15) shall not exceed the limits shown in Table III.
 - The emergency Caterpillar 3406B diesel engine (source 15) shall not exceed 500 hours of operation per calendar year. The permittee shall operate and maintain a non-resettable hour meter on the engine to demonstrate compliance with this limit.
 - The permittee shall operate and maintain the emergency Caterpillar 3406B diesel engine (source 15) and monitoring equipment according to good air pollution control practices at all times, including startup, shutdown, and malfunction.

TABLE III- Turbine, Heater and Diesel Engine NO _x and CO Emission Limits			
Turbine Engines (Sources 11 and 13)			
Pollutant	ppmv	lb/hr	TPY
NO _x	25.0 @ 15 percent O ₂ (24-hr rolling average) ¹	34.0 (24-hr rolling average) ¹	148.9 ¹
CO	25.0 @ 15 percent O ₂ (1-hr average)	21.0 (1-hr average)	92.0
Inlet Air Heaters (sources 12 and 14)			
Pollutant	lb/MMBtu	lb/hr	TPY
NO _x	0.05	0.9	1.4
CO	0.11	1.9	2.8
Caterpillar 3406B Diesel Engine (source 15)			
Pollutant	gr/hp-hr	lb/hr	
NO _x	14.1	9.1	
CO	3.1	2.0	

¹ Compliance with NO_x limits is determined by monitoring data from the continuous emissions monitoring system.

(F10) TEMPORARY ENGINE REPLACEMENT [WAQSR Ch 6, Sec 3(h)(i)(I)]

- (a) Should an engine break down or require an overhaul during the term of this permit, the permittee may bring on site and operate a temporary replacement engine until repairs are made. Permanent replacement of an engine must be evaluated by the Division under Ch 6, Sec 2 of WAQSR to determine appropriate permitting action and evaluate the need for additional requirements resulting from the permanent replacement.
- (b) The temporary replacement unit shall be identical or similar to the unit replaced with emission levels at or below those of the unit replaced.
- (c) The permittee shall notify the Division in writing of such replacement within five working days, provide the date of startup of the replacement engine, and provide a statement regarding the applicability of any New Source Performance Standards (NSPS) in 40 CFR, Part 60 and/or the applicability of any National Emission Standards for Hazardous Air Pollutants (NESHAPs) in 40 CFR, Part 63.

Testing Requirements

(F11) BOILER EMISSIONS TESTING [W.S. 35-11-110]

- (a) The permittee shall measure particulate emissions from the boiler stack (source 1) at least once every twelve months for comparison with the emission limits specified in condition F7. Methods specified in condition F12 shall be used to measure particulate emissions.
- (b) The permittee shall measure CO emissions from the boiler stack at least annually for comparison with the emission limits specified in condition F7. Methods 1-4, or a 40 CFR Part 75 certified flow monitor, shall be used to determine actual flow rate in the stack; CO data will be collected according to Part 75 relative accuracy test audit (RATA) sampling time frames.
- (c) Testing shall be conducted in accordance with WAQSR Chapter 5, Section 2(h). The permittee shall notify the Division at least 15 days prior to the planned test date.

(F12) EMISSIONS TESTING [W.S. 35-11-110 and 40 CFR 60 Subparts Da and GG]

- (a) The Division reserves the right to require additional testing as provided under condition G1 of this permit. Should testing be required, test methods found at 40 CFR 60, Appendix A, shall be used as follows:
 - (i) Boiler stack particulate, SO₂, NO_x and visible emissions shall be measured as specified in 40 CFR 60 Subpart Da, §60.50Da.
 - (ii) For NO_x and SO₂ emissions from turbine engines, testing on a ppm basis shall follow the requirements of 40 CFR 60 Subpart GG, and testing on a lb/hr basis shall follow Methods 1-4, 6C, and 7E.
 - (iii) For other visible emissions, Method 9 shall be used.
 - (iv) For other particulate emissions, Methods 1-4 and 5 shall be used.
 - (v) For other NO_x emissions Methods 1-4 and 7 or 7E shall be used.
 - (vi) For CO emissions, Methods 1-4 and 10 shall be used.

- (vii) For alternative test methods, or methods used for other pollutants, the approval of the Administrator must be obtained prior to using the test method to measure emissions.
- (b) Unless otherwise specified, testing shall be conducted in accordance with WAQSR Ch 5, Sec 2(h).

Monitoring Requirements

- (F13) **ELECTROSTATIC PRECIPITATOR, BAGHOUSE AND BIN VENT FILTER CONTROLLED VISIBLE AND PARTICULATE EMISSIONS MONITORING [WAQSR Ch 6, Sec 3(h)(i)(C)(I); Ch 7, Sec 3(c)(ii); and Ch 6, Sec 2 Permit MD-10901] (modified October 29, 2013)**
- (a) The permittee shall adhere to the compliance assurance monitoring (CAM) plan, attached as Appendix A to this permit, for particulate emissions from the electrostatic precipitator controlled boiler (source 1) and shall conduct monitoring as follows:
 - (i) The permittee shall use data from the continuous opacity monitor system (COMS) obtained during the most recent testing for particulate emissions required by condition F11(a), to determine the opacity limit for CAM.
 - (ii) The permittee shall monitor the 24-hour average opacity level measured by the COMS each boiler operating day.
 - (iii) A 24-hour average opacity greater than the limit indicated in the CAM plan shall prompt immediate inspection, corrective action, and as necessary, recordkeeping, and reporting.
 - (b) The permittee shall perform testing for particulate emissions from the boiler at least once every twelve months as required by condition F11(a), for comparison with the emission limits specified in condition F7, and to reestablish the baseline opacity limit for CAM. Following each annual test, the permittee shall evaluate the data from the test and the CAM opacity in accordance with §60.48Da(o)(2)(iii), to determine if a new baseline opacity limit is required in the CAM plan.
 - (c) The permittee shall adhere to the CAM plan, attached as Appendix A to this permit, for particulate emissions from the baghouse and bin vent filter controlled equipment (sources 2, 3, 5, 6, 7 and 16) and shall conduct monitoring as follows:
 - (i) The permittee shall conduct, at a minimum once daily, Method 22-like visual observations as specified in the CAM plan for the units listed above to determine the presence of visible emissions each day the units are operating. The permittee shall record days the units are not operated.
 - (ii) The visual observations shall be conducted by a person who is educated on the general procedures for determining the presence of visible emissions but not necessarily certified to perform Method 9 observations.
 - (iii) Observation of any visible emissions shall prompt immediate inspection and, if necessary, corrective action and reporting.
 - (d) The permittee shall follow all other applicable requirements under conditions CAM-1 through CAM-4.
- (F14) **OTHER BOILER EMISSIONS MONITORING [WAQSR Ch 5, Sec 2; Ch 6, Sec 3(h)(i)(C)(I); Ch 6, Sec 2 Permits CT-1028, MD-398, and MD-1032; Division letter August 2, 2011; and 40 CFR 60 Subpart Da] (modified October 29, 2013)**
- (a) For SO₂ emissions, the permittee shall calibrate, maintain, and operate a continuous emissions monitoring system (CEM) for measuring SO₂ emissions at both the inlet and outlet of the sulfur dioxide control device.
 - (i) The monitoring system shall comply with 40 CFR Part 60, Appendix B, Performance Specification 2.
 - (ii) The 3-hour block average emission rate, in lb/MMBtu and lb/hr, shall be determined at the end of each 3-hour period and be calculated as the arithmetic average of the SO₂ stack emission rates measured by the CEM system for the previous three boiler operating hours.
 - (iii) The 30-day rolling average emission rate and the 30-day rolling average SO₂ inlet level (SO₂IN) shall be determined at the end of each boiler operating day. The value of the 30-day rolling averages shall be calculated as the arithmetic average of the hourly values of SO₂ measured for the preceding 30 boiler operating days, **including data obtained during startup, shutdown, malfunctions and emergency conditions. Exclusion of startup, shutdown, malfunction and emergency emissions only applies to 40 CFR 60 Subpart Da standards as authorized in Subpart Da.**

- (iv) Compliance with the percentage reduction requirement for SO₂ in **40 CFR 60 Subpart Da** is determined based on the average inlet and average outlet SO₂ emission rates for the 30 successive boiler operating days.
- (b) For NO_x emissions, the permittee shall calibrate, maintain, and operate a CEM for measuring NO_x emissions discharged to the atmosphere from the boiler.
 - (i) The monitoring system shall comply with 40 CFR Part 60, Appendix B, Performance Specification 2; shall demonstrate linearity in accordance with Division requirements; and be certified in concentration (ppm), lb/MMBtu, and lb/hr.
 - (ii) Compliance with the NO_x limits in condition F7 shall be determined by the monitoring data from the CEM system.
 - (iii) The 30-day rolling average NO_x emission rate, in lb/MMBtu and lb/hr, shall be determined at the end of each boiler operating day. The value of the 30-day rolling averages shall be calculated as the arithmetic average of the hourly values measured for the preceding 30 boiler operating days, **including data obtained during startup, shutdown, malfunction and emergency conditions. Exclusion of startup, shutdown, malfunction and emergency emissions only applies to 40 CFR 60 Subpart Da standards as authorized in Subpart Da.** Data reported to demonstrate compliance with the 30-day rolling average NO_x emission limits shall not include data substituted using the missing data procedures in 40 CFR 75 Subpart D, nor shall the data have been bias adjusted according to the procedures of 40 CFR 75 Subpart D.
 - (iv) Annual NO_x emissions shall be calculated by summing the hourly emission rates on a daily basis, and determining the calendar year to date emissions. Accounting for annual NO_x emissions during CEM system downtime shall comply with 40 CFR 75 Subpart D, Missing Data Substitution Procedures.
- (c) The permittee shall calibrate, maintain, and operate a CEM for measuring the oxygen or CO₂ content of the boiler flue gases at each location where SO₂ or NO_x emissions are monitored. The monitoring system(s) shall comply with 40 CFR 60 Appendix B, Performance Specification 3; shall demonstrate linearity in accordance with Division requirements; and be certified in concentration (%).
- (d) For opacity, the permittee shall calibrate, maintain, and operate a continuous opacity monitor system (COMS) for measuring opacity from the boiler. The monitoring system(s) shall comply with 40 CFR 60, Appendix B, Performance Specification 1.
- (e) For the CEMs required by sections (a) through (d) above, the permittee shall comply with the following:
 - (i) The quality assurance requirements of 40 CFR 60, Appendix F.
 - (ii) **Reserved.**
 - (iii) **Reserved.**
 - (iv) **Reserved.**
 - (v) **All applicable** requirements of WAQSR Chapter 5, Section 2 and 40 CFR 60 Subpart Da.
 - (vi) If a CEM was installed to meet the requirements of 40 CFR 75 (Acid Rain) and continues to meet the ongoing requirements of Part 75, that CEM may be used to comply with condition F14 except that data reporting shall also meet the requirements of condition F26.
- (f) **Reserved.**
- (g) For CO emissions, the permittee shall perform the testing as required by condition F11 at least annually for comparison with the emission limits specified in condition F7.
- (h) The permittee shall measure VOC emissions from the boiler stack at least once every calendar year for comparison with the emission limits specified in condition F7. VOC emissions shall be measured using Methods 1-4 and 25 found at 40 CFR 60, Appendix A.

(F15) **TURBINE AND ENGINE EMISSIONS MONITORING**

[WAQSR Ch 6, Sec 2 Permits MD-441A and MD-10901] (modified October 29, 2013)

- (a) The permittee shall certify, maintain, and operate in-stack continuous emission monitoring (CEM) systems in each turbine engine stack (sources 11 and 13) to demonstrate continuous compliance with the NO_x emissions limits set forth in condition F9 of this permit. The system shall meet the following requirements:
 - (i) 40 CFR 60, Appendix B, Performance Specification 2 for NO_x and Performance Specification 3 for O₂. In addition to the requirements of Performance Specifications 2 and 3, the systems

- must demonstrate linearity in accordance with Division requirements and be certified in terms of concentration (ppm corrected to 15% oxygen) and units of the allowable (lb/hr).
- (ii) Quality assurance requirements of 40 CFR 60, Appendix F. Data accuracy assessment for the purpose of maintenance and operation of the monitoring systems shall consist of one cylinder gas audit per calendar quarter for three quarters of each operating year and one relative accuracy test audit per operating year.
 - (iii) Where the requirements of 40 CFR 75 are at least as stringent as those listed in paragraphs (a)(i) and (ii) of this condition, compliance with the requirements of 40 CFR 75 is considered compliance with the requirements in paragraph (a)(i) and (ii) of this condition.
 - (iv) Compliance with the NO_x limit from the turbine engine stacks will be determined by the monitoring data from the monitor required above. The monitoring data will constitute prima facie evidence that emissions in excess of the following are a violation of this permit: Any calculated 24-hour rolling average of NO_x emissions as measured by each turbine engine stack NO_x CEM which exceeds the ppm (corrected to 15% oxygen) or lb/hr limits established in condition F9. The 24-hour rolling emission rate shall be calculated at the end of each hour as the arithmetic average of the last 24 turbine operating hour values of NO_x stack emissions as recorded by the CEM.
- (b) The permittee shall measure CO emissions from each turbine engine stack (sources 11 and 13) at least once every calendar year for comparison with the emission limits specified in condition F9. CO emissions shall be measured using a CO analyzer monitor calibrated to manufacturer specifications or the reference methods described in condition F12.
 - (c) For periodic monitoring for visible emissions from the turbine engines the permittee shall monitor the type of fuel used to ensure natural gas is the sole fuel source for these units.
 - (d) Other monitoring requirements for the turbine engines are listed under condition P60-GG2 of this permit.
 - (e) **The emergency Caterpillar 3406B diesel engine (source 15) shall be tested at least once every five years to verify compliance with the emission limits in condition F9. A periodic test for the engine is required within five years after completion of the initial performance test or the last periodic test. The testing shall be conducted in accordance with EPA Reference Methods or the State of Wyoming's Portable Analyzer Protocol. The monitoring protocol can be downloaded at <http://deq.state.wy.us/aqd/operating.asp> or is available from the Division upon request.**
 - (i) Notification of the test date shall be provided to the Division at least 15 days prior to testing. Results of the tests shall be submitted to the Division within 45 days of completing the tests.
 - (ii) The permittee shall notify the Division within 24-hours if any diesel engine testing/monitoring shows operation outside the emission limits specified in condition F9.
 - (iii) The permittee shall repair the engine no later than seven calendar days of such a testing/monitoring event, and shall repair and retest/monitor the affected engine to demonstrate the engine has been returned to operation within the limits in condition F9.
 - (iv) Compliance with this condition regarding repair and retesting/monitoring shall not be deemed to limit the authority of the Division to cite the owner or operator for an exceedance of the emission limits for any testing which shows noncompliance.
 - (f) The permittee shall monitor the hours of operation of the emergency Caterpillar 3406B diesel engine (source 15) using the hour meter required by condition F9.
 - (g) The permittee shall conduct observations of visible emissions from the emergency diesel-fired Caterpillar 3406B engine (source 15) at least semi-annually, during periodic availability assurance tests or other operation, to assess compliance with the opacity limit under condition F4 and to identify maintenance needs. The visual observations shall be conducted by a person who is educated on the general procedures for determining the presence of visible emissions but not necessarily certified to perform Method 9 observations. Observation of excess emissions shall prompt corrective action.

(F16) HEATER, ASH HANDLING, AND PECS MONITORING

[WAQSR Ch 6, Sec 2 Permits/Waivers MD-604A, AP-3431, AP-8405-1, and Ch 6, Sec 3(h)(i)(C)(I)]
(modified October 29, 2013)

- (a) Each inlet air heater (sources 12 and 14) shall be equipped with a fuel meter to record fuel flow and the total fuel consumption to assess compliance with the limit specified in condition F9(b).

- (b) The permittee shall measure NO_x and CO emissions from each inlet air heater (sources 12 and 14) at least once during the operating permit term for comparison with the emission limits specified in condition F9. NO_x and CO emissions shall be measured using the State of Wyoming's Portable Analyzer Monitoring Protocol or the reference methods described in condition F12.
- (c) For periodic monitoring for visible emissions from the inlet air heaters (sources 12 and 14) and the two Hanover heaters, the permittee shall monitor the type of fuel used to ensure natural gas is the sole fuel source for these units.
- (d) Periodic monitoring of visible emissions from the PECS (source 4) shall consist of, at minimum, daily observations for the presence of visible emissions, to assess compliance with condition F4(c).
- (e) For the wet ash handling system for waste ash loadout, the permittee shall monitor the quantity of water supplied to the pug mill spray nozzles, and the quantity of ash loaded each calendar month, to assess compliance with condition F5(a).
- (f) The permittee shall monitor whether the wet handling system for ash is operating. If the wet system is not operating, the permittee shall monitor that the haul trucks are covered, to verify compliance with condition F5(a).
- (g) The permittee shall conduct a Method 9 observation once every 2000 hours of operation of the dry waste unloading system to determine compliance with the visible emission limit in condition F4 and the fugitive emission minimization requirement in condition F5.

Recordkeeping Requirements

(F17) FUGITIVE EMISSIONS CONTROL RECORDS

[WAQSR Ch 6, Sec 2 Waiver AP-8405-1 and Ch 6, Sec 3(h)(i)(C)(II)]

- (a) The permittee shall record any dates and duration of time the wet handling system is not operating during waste ash loading, as required by condition F5(a). When the wet system is not operating, the permittee shall also record whether the haul trucks are covered.
- (b) For the wet ash handling system for waste ash loadout, the permittee shall record the quantity of water supplied to the pug mill spray nozzles, and the quantity of ash loaded each calendar month. At the end of each calendar month, the permittee calculate the moisture content of the waste ash by dividing the mass of water used by the mass of the waste ash and water combined.
- (c) The permittee shall record any dates and duration of time during loading and unloading that the telescoping chute required by condition F5(b) is not operated.
- (d) For the Method 9 observations required under condition F16(g), the permittee shall keep field records in accordance with Section 2.2 of Method 9 and record any corrective actions taken upon detecting noncompliance with opacity limitations.
- (e) The permittee shall maintain records of water truck operations, water and chemical usage, roads watered and treated, and any other operational parameters necessary to assess compliance with condition F6.
- (f) The permittee shall retain on-site at the facility all fugitive emissions control records kept in accordance with this condition for a period of at least five (5) years from the date such records are generated.

(F18) TESTING RECORDS [WAQSR Ch 6, Sec 3(h)(i)(C)(II)]

- (a) For any testing required under conditions F11 and F12 of this permit, other than Method 9 observations, the permittee shall record, as applicable, the following:
 - (i) The date, place, and time of sampling, measurements or observations;
 - (ii) The date(s) any analyses were performed;
 - (iii) The company or entity that performed the analyses or observations;
 - (iv) The analytical or observation techniques or methods used;
 - (v) The results of such analyses or observations; and
 - (vi) The operating conditions as they existed at the time of sampling, measurement, or observation.
- (vii) For the boiler particulate emissions testing required by condition F11(a), the permittee shall record the opacity values as measured during particulate sampling, as well as the evaluation of CAM baseline opacity limit required by condition F13(b).
- (viii) The permittee shall maintain records of any corrective actions taken.

- (b) For any Method 9 observations required by the Division under condition F12, the permittee shall keep field records in accordance with Section 2.2 of Method 9 and record any corrective actions taken upon detecting noncompliance with opacity limits.
 - (c) The permittee shall retain on-site at the facility, the records of each test, measurement, or observation and support information for a period of at least five (5) years from the date such records are generated.
- (F19) BOILER, BAGHOUSE, BIN VENT FILTER, AND PECS EMISSIONS RECORDS [WAQSR Ch 5, Sec 2(g); Ch 6, Sec 2 Permits/Waivers CT-1028, MD-1032, AP-3431 and MD-10901; Ch 6, Sec 3(h)(i)(C)(II); Ch 7, Sec 3(i)(ii); and 40 CFR 60 Subpart Da] (modified October 29, 2013)
- (a) For the CAM required for particulate emissions from the boiler (source 1) under condition F13(a) of this permit, the permittee shall record the following:
 - (i) The opacity limit as required by condition F13(a)(i).
 - (ii) Opacity measurements, the date and time of measurement, and the calculated calendar day, 24-hour average opacity levels;
 - (iii) Any calibration and maintenance of the COMS instrumentation used to measure CAM parameters; and
 - (iv) The date the calculated calendar day, 24-hour average opacity level is greater than the CAM opacity limit and the date, time, and description of corrective action taken.
 - (b) For the visible emissions monitoring required under condition F13(c) of this permit, the permittee shall record, as applicable, the following:
 - (i) The date, place, and time of the observation;
 - (ii) The company or entity that performed the observation;
 - (iii) The observation results; and
 - (iv) The operating conditions as they existed at the time of the observation.
 - (c) For the CAM plans required under condition F13, the permittee shall also maintain records of corrective actions taken, any written quality improvement plan (QIP) required pursuant to WAQSR Ch 7, Sec 3(h), any activities undertaken to implement a QIP, and other supporting information required to be maintained under WAQSR Chapter 7, Section 3.
 - (d) For the boiler emissions monitoring required under condition F14, the permittee shall record, as applicable, the following:
 - (i) All measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; in a permanent form suitable for inspection.
 - (ii) The occurrence and duration of any start-up, shutdown, malfunction, or emergency condition (as defined in 40 CFR 60 Subpart Da) in the operation of the boiler; any malfunction of the ESP; or any periods during which a continuous monitoring system or monitoring device is inoperative.
 - (iii) Additionally, for SO₂ emissions:
 - (A) Each 3-hour block average SO₂ emission rate in lb/MMBtu and lb/hr, calculated as required by condition F14(a)(ii);
 - (B) Each 30-day rolling average SO₂ emission rate and 30-day rolling average SO₂ inlet level (SO₂IN) in lb/MMBtu, calculated each day as required by condition F14(a)(iii); and
 - (C) Each 30-day rolling average percent SO₂ emission reduction, calculated each day as required by condition F14(a)(iv).
 - (iv) Additionally, for NO_x emissions:
 - (A) Each 30-day rolling average NO_x emission rate in lb/MMBtu and lb/hr, calculated each day as required by condition F14(b)(iii); and
 - (B) The calendar year to date NO_x emissions on a daily basis, calculated as required by condition F14(b)(iv).
 - (v) For the monitoring required by condition F14(h), the permittee shall record the information specified in conditions F18(a)(i)-(vi) and (viii).

- (vi) The records required by 40 CFR 75 Subpart F may be used to comply with the requirements of condition F19(d). Any information required by condition F19(d) which is not included in Subpart F records must also be recorded.
- (e) For the PECS, the permittee shall record the date and time of the visible emission observations required under condition F16(d), whether visual emissions are noted, and the corrective action taken.
- (f) The permittee shall retain on-site at the facility the records kept in accordance with this condition for a period of at least five (5) years from the date such records are generated. **The records shall be made available to the Division upon request.**

(F20) **TURBINE AND ENGINE EMISSIONS MONITORING RECORDS**

[WAQSR Ch 5, Sec 2(g); Ch 6, Sec 2 Permits MD-441A and MD-10901; and Ch 6, Sec 3(h)(i)(C)(II)]
(modified October 29, 2013)

- (a) For the CEM required by condition F15, records shall be maintained of all measurements from the continuous monitoring systems, performance testing measurements, performance audits, calibration checks, and adjustments and maintenance performed on the system in a permanent form suitable for inspection. The acid rain records required for the NO_x monitoring system under 40 CFR 75 Subpart F may be used to comply with the requirements of this paragraph.
- (b) The permittee shall record the occurrence and duration of any start-up, shutdown, or malfunction in the operation of the turbine engines or any periods during which a continuous monitoring system or monitoring device is inoperative.
- (c) The permittee shall record each 24-hour rolling average NO_x emission rate in ppm (corrected to 15% oxygen) and lb/hr, calculated as required by condition F15(a)(iv).
- (d) For the monitoring required by conditions F15(b) and (e), the permittee shall record the information specified in conditions F18(a)(i)-(vi) and (viii).
- (e) **For the operating hours monitoring required by condition F9(f), the permittee shall record the calendar year operating hours of the emergency Caterpillar 3406B engine (source 15).**
- (f) **For the visible emissions monitoring required under condition F15(g) of this permit, the permittee shall record, as applicable, the following:**
 - (i) **The date, place, and time of the observation;**
 - (ii) **The company or entity that performed the observation;**
 - (iii) **The observation results; and**
 - (iv) **The operating conditions as they existed at the time of the observation.**
- (g) **The permittee shall maintain records of maintenance activities and corrective actions for the emergency Caterpillar 3406B engine (source 15), including:**
 - (i) **The maintenance activity or corrective action performed;**
 - (ii) **The date and place the activity was performed;**
 - (iii) **The company and individual(s) that performed the activity; and**
 - (iv) **The purpose of the activity.**
- (h) The permittee shall retain on-site at the facility records of measurements, maintenance, and support information kept in accordance with this condition for a period of at least five (5) years following the date such records are generated. **The records shall be made available to the Division upon request.**

(F21) **INLET AIR HEATER MONITORING RECORDS**

[WAQSR Ch 6, Sec 3(h)(i)(C)(II)]

- (a) For the fuel meter required by condition F16(a), the permittee shall maintain records of the total fuel consumption for each inlet air heater, for each calendar year.
- (b) For the monitoring required by condition F16(b), the permittee shall record the information specified in conditions F18(a)(i)-(vi) and (viii).
- (c) The permittee shall retain on-site at the facility the records kept in accordance with this condition for a period of at least five (5) years from the date such records are generated.

(F22) **SULFUR DIOXIDE EMISSIONS INVENTORY RECORDS [WAQSR Ch 14, Sec 3(b)]**

- (a) The permittee shall maintain all records used in the calculation of SO₂ emissions for the inventory required by condition F3, including but not limited to the following:
 - (i) Amount of fuel consumed;
 - (ii) Percent sulfur content of fuel and how the content was determined;

- (iii) Quantity of product produced;
 - (iv) Emissions monitoring data;
 - (v) Operating data; and
 - (vi) How the emissions are calculated, including monitoring/estimation methodology with a demonstration that the selected methodology is acceptable under Ch 14, Sec 3.
- (b) The permittee shall maintain records of any physical changes to facility operations or equipment, or any other changes (e.g. raw material or feed) that may affect emissions projections of SO₂.
 - (c) The permittee shall retain all records and support information for compliance with this condition and with the reporting requirements of condition F29 at the facility, for a period of at least ten (10) years from the date of establishment, or if the record was the basis for an adjustment to the milestone, five (5) years after the date of an implementation plan revision, whichever is longer.

Reporting Requirements

(F23) FUGITIVE EMISSIONS CONTROL REPORTS [WAQSR Ch 6, Sec 3(h)(i)(C)(III)]

- (a) The permittee shall submit to the Division, in accordance with condition G4 of this permit, by January 31 and July 31 each year a summary report on:
 - (i) The times the wet handling system was not operating and whether the haul trucks were covered during that period;
 - (ii) The monthly moisture content of the ash processed through the wet handling system required by condition F17(b);
 - (iii) Summary results of the PECS visible emission observations required by condition F16(d). If no visible emissions were observed during the reporting period, this shall be stated in the report;
 - (iv) The times during unloading dry waste from the silo and loading the truck that the telescoping chute system is not operated; and
 - (v) Summary results of the visible emissions monitoring required under condition F16(g) of this permit; each opacity measurement and any corrective actions taken upon detecting noncompliance with opacity limitations shall be included in the report.
- (b) The permittee shall submit to the Division, in accordance with condition G4 of this permit, by January 31 each year an annual summary report on the dust control measures applied to the haul roads.
- (c) The reports shall be based on the fugitive emissions control records kept in accordance with condition F17.

(F24) TESTING AND MONITORING REPORTS

[WAQSR Ch 6, Sec 3(h)(i)(C)(III)] (*Amended January 26, 2012*) (modified October 29, 2013)

The permittee shall report the results of the emissions tests and monitoring required under conditions F11, F13(a), F14(h), F15(b), **F15(e)**, F16(b), and any additional testing required by the Division under condition F12, within 45 days of conducting the tests.

- (a) For the tests required by conditions F11, F12, and F13(a), the reports shall include the information specified under condition F18 of this permit and shall be submitted to the Division in accordance with condition G4.
- (b) For the monitoring required by conditions F14(h), F15(b), **F15(e)**, and F16(b), the reports shall include the information specified under conditions F18(a)(i)-(vi) and (viii) of this permit and shall be submitted to the Division in accordance with condition G4.
- (c) For the particulate testing required by condition F11(a), the permittee shall also submit the CAM opacity baseline evaluation required by condition F13(b), and in accordance with §60.48Da(o). If the evaluation indicates the CAM opacity baseline limit needs to be revised, the permittee shall submit a notification to the Division's District Engineer specifying the new opacity baseline limit and the associated effective date. The new opacity baseline limit will be effective for the same day as the completed test.

(F25) COMPLIANCE ASSURANCE MONITORING REPORTS

[WAQSR Ch 6, Sec 3(h)(i)(C)(III) and Ch 7, Sec 3(i)] (modified October 29, 2013)

- (a) The following shall be reported to the Division by January 31 and July 31 each year for the ESP and baghouse and bin vent filter controlled equipment monitored under condition F13 of this permit:
 - (i) Summary information on the number, duration, and cause of excursions, as applicable, and the corrective actions taken;

- (ii) Summary information on the number, duration, and cause for monitor downtime incidents (if applicable); and
 - (iii) A description of the action taken to implement a QIP (if required) during the reporting period as specified in WAQSR Ch 7, Sec 3(h). Upon completion of a QIP, the permittee shall include in the next summary report documentation that the implementation of the plan has reduced the likelihood of similar excursions.
- (b) All instances of deviations from the conditions of this permit must be clearly identified in each report.
 - (c) The semiannual reports shall be submitted in accordance with condition G4 of this permit.
- (F26) **ADDITIONAL BOILER EMISSIONS MONITORING REPORTS [WAQSR Ch 5, Sec 2(g)(iii) & (iv); Ch 6, Sec 2 Permits CT-1028, MD-398 & MD-1032; Division letter August 2, 2011; Ch 6, Sec 3(h)(i)(C)(III); and 40 CFR 60 Subpart Da] (modified October 29, 2013)**
- (a) The permittee shall submit an excess emissions and monitoring systems performance report (excess emissions are defined in paragraph (b) of this condition) to the Administrator quarterly for opacity, SO₂, and NO_x emissions from the boiler (source 1). All reports shall be in a format approved by the Division and postmarked by the 30th day following the end of each calendar quarter. A summary report shall be submitted for each pollutant and shall include the following information:
 - (i) The magnitude of excess emissions computed in accordance with WAQSR Ch 5, Sec 2(j)(viii), any conversion factor(s) used, the date and time of commencement and completion of each time period of excess emissions, and the boiler operating time during the reporting period.
 - (ii) Specific identification of each period of excess emissions that occurs during start ups, shutdowns, malfunctions, and emergency conditions at the boiler. The nature and cause of any malfunction or emergency condition (if known), and the corrective action taken or preventative measures adopted.
 - (iii) The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments.
 - (iv) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.
 - (b) For the purpose of reporting under this condition, excess emissions are defined as:
 - (i) Any calculated three-hour block average of SO₂ emissions, as measured by the continuous monitoring system in accordance with condition F14 of this permit, which exceeds 0.20 lb/MMBtu or 203 lb/hr.
 - (ii) Any calculated 30-day rolling average of SO₂ emissions, as measured by the continuous monitoring system in accordance with condition F14 of this permit, which exceeds:
 - (A) 0.17 lb/MMBtu for SO₂IN ≤ 2.14 lb/MMBtu.
 - (B) 0.17 + 0.0294(SO₂IN-2.14) lb/MMBtu for SO₂IN > 2.14 lb/MMBtu and SO₂IN < 3.16 lb/MMBtu.
 - (C) 0.20 lb/MMBtu for SO₂IN ≥ 3.16 lb/MMBtu.
 - (iii) Any calculated 30-day rolling average SO₂ percent reduction less than **the percentage specified in 40 CFR 60 Subpart Da.**
 - (iv) Any calculated 30-day rolling average of NO_x emissions, as measured by the continuous monitoring system in accordance with condition F14 of this permit, which exceeds 0.23 lb/MMBtu or 299.0 lb/hr.
 - (v) Any six-minute period during which the average opacity of emissions, as measured by the continuous monitoring system in accordance with condition F14, exceeds 20 percent.
 - (c) **The following information shall be reported concurrently with the quarterly excess emissions and monitoring systems performance report:**
 - (i) The total NO_x emissions per calendar day for that quarter, with a year-to-date total;
 - (ii) For SO₂ emissions, the 30-day rolling average emission rate and the 30-day rolling average SO₂ inlet level (SO₂IN) on a daily basis as well as the calculated 30-day rolling average SO₂ percent reduction; and
 - (iii) **All applicable reporting requirements of 40 CFR 60 Subpart Da.**
 - (d) The reports shall be submitted to the Division in accordance with condition G4 of this permit.

- (F27) QUARTERLY TURBINE CEM REPORTS [WAQSR Ch 5, Sec 2(g) and Ch 6, Sec 2 Permit MD-441A]
- (a) The permittee shall submit excess emissions and monitoring systems performance reports for NO_x emissions from the turbine engines (sources 11 and 13) (excess emissions are defined in paragraph (b) of this condition) to the Administrator quarterly. All reports shall be postmarked by the 30th day following the end of each calendar quarter. Written reports of excess emissions shall be in a format approved by the Division and shall include the following information:
 - (i) The magnitude of excess emissions computed in accordance with WAQSR Ch 5, Sec 2(j)(viii), any conversion factor(s) used, and the date and time of commencement and completion of each time period of excess emissions. The nature and cause of any excess emissions, and the corrective action taken or preventative measures adopted. The turbine engine operating times during the reporting period.
 - (ii) Specific identification of each period of excess emissions that occurs during start ups, shutdowns, and malfunctions of the turbine engine(s); the nature and cause of any malfunction; and the corrective action taken or preventative measures adopted.
 - (iii) The date and time identifying each period during which the continuous monitoring system(s) was inoperative (except for zero and span checks), the nature and cause of monitor downtime, and the corrective action taken or preventative measures adopted.
 - (iv) When no excess emissions have occurred or the continuous monitoring system(s) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.
 - (v) The results of quarterly CEM audits shall be submitted with the quarterly excess emissions report.
 - (b) For the purpose of reporting under this condition, excess emissions are defined as any calculated 24-hour rolling average of NO_x emissions, as measured by the continuous monitoring system in accordance with condition F15, which exceeds 25 ppm @ 15 percent O₂ on a dry volume basis, or 34.0 lb/hr.
 - (c) The reports shall be submitted to the Division in accordance with condition G4 of this permit.
- (F28) INLET AIR HEATERS FUEL CONSUMPTION MONITORING REPORT
[WAQSR Ch 6, Sec 2 Permit MD-604A]
- (a) The permittee shall submit to the Division by January 31 each year a report stating the total fuel consumption for each inlet air heater (sources 12 and 14) operated during the previous calendar year.
 - (b) The reports shall be submitted to the Division in accordance with condition G4 of this permit.
- (F29) SULFUR DIOXIDE EMISSIONS INVENTORY REPORTS
[WAQSR Ch 14, Sec 3(b) and (c)] (modified October 29, 2013)
- (a) The permittee shall report calendar year SO₂ emissions by April 15th of the following year. The inventory shall be submitted in the format specified by the Division.
 - (b) Emissions from startup, shutdown, and upset conditions shall be included in the inventory.
 - (c) If the permittee uses a different emission monitoring or calculation method than was used to report SO₂ emissions in 2006, the permittee shall adjust reported SO₂ emissions to be comparable to the emission monitoring or calculation method that was used in 2006. The calculations that are used to make this adjustment shall be included with the annual emission report.
 - (d) For acid rain sources, the permittee shall submit a summary report of annual SO₂ emissions that were reported to the EPA under 40 CFR 75.
 - (e) The permittee shall use 40 CFR 75 methodology for reporting emissions for all sources subject to the federal acid rain program.
 - (f) **Reserved.**
 - (g) The annual reports shall be submitted in accordance with condition G4 of this permit.
- (F30) REPORTING EXCESS EMISSIONS & DEVIATIONS FROM PERMIT REQUIREMENTS
[WAQSR Ch 6, Sec 3(h)(i)(C)(III)]
- (a) General reporting requirements are described under the General Conditions of this permit. The Division reserves the right to require reports as provided under condition G1 of this permit.
 - (b) Emissions which exceed the limits specified in this permit and which are not reported under a different condition of this permit shall be reported annually with the emission inventory unless specifically superseded by condition G17, condition G19, or other condition(s) of this permit. The probable cause of such exceedance, the duration of the exceedance, the magnitude of the

exceedance, and any corrective actions or preventative measures taken shall be included in this annual report. For sources and pollutants which are not continuously monitored, if at any time emissions exceed the limits specified in this permit by 100 percent, or if a single episode of emission limit exceedance spans a period of 24 hours or more, such exceedance shall be reported to the Division within one working day of the exceedance. (Excess emissions due to an emergency shall be reported as specified in condition G17. Excess emissions due to unavoidable equipment malfunction shall be reported as specified in condition G19.)

- (c) Any other deviation from the conditions of this permit shall be reported to the Division in writing within 30 days of the deviation or discovery of the deviation.
- (F31) Reserved. (modified October 29, 2013)
- (F32) Reserved. (modified October 29, 2013)
- (F33) **GREENHOUSE GAS REPORTS [W.S. 35-11-110] (modified October 29, 2013)**
The permittee shall submit to the Division a summary of any report(s) required to be submitted to the EPA under 40 CFR Part 98.
 - (a) The reports shall be submitted to the Division within 60 days of submission to EPA, in a format as specified by the Division.
 - (b) The reports shall be submitted in accordance with condition G4(a)(i) of this permit, to the attention of the Division's Emission Inventory Program. A copy need not be sent to the DEQ Air Quality contact.

Heat Input Requirements

- (F34) **HEAT INPUT MONITORING AND REPORTING [WAQSR Chapter 6, Section 2 Waiver AP-8924] (modified October 29, 2013)**
 - (a) The permittee shall monitor total heat input for the boiler (source 1) for a period of five years, starting January 1, 2010.
 - (b) The total heat input for the previous calendar month shall be calculated and recorded by the 10th day of each month using continuous emission monitor data and the procedures in 40 CFR 75, Appendix F. Missing data shall be substituted per the requirements of 40 CFR 75 Subpart D. The total heat input for the previous twelve (12) calendar months shall be totaled to demonstrate that the calendar year heat input does not exceed 10,157,515 MMBtu.
 - (c) A summary of the twelve (12) calendar month heat inputs and total heat input for the calendar year shall be submitted to the Division annually with the emissions inventory required by condition G9.
 - (d) The Division shall be notified within ten (10) days of the permittee's determination that any calendar year heat input exceeds 10,157,515 MMBtu.
 - (e) Documentation shall be maintained for a period of at least five years and shall be made available to the Division upon request.
 - (f) The requirements in conditions (a), (b) and (d) above shall expire upon completion of the five year monitoring period on January 1, 2015. The requirements in condition (c) above shall expire upon submission of the calendar year 2014 emissions inventory. The requirements in condition (e) above shall expire five years after the date of generation of the final records and documentation required by this condition (F34).

WAQSR CHAPTER 7, SECTION 3
COMPLIANCE ASSURANCE MONITORING (CAM) REQUIREMENTS
(modified October 29, 2013)

- (CAM-1) **COMPLIANCE ASSURANCE MONITORING REQUIREMENTS [WAQSR Ch 7, Sec 3(b) and (c)]**
The permittee shall follow the CAM plan attached as Appendix A to this permit and meet all CAM requirements of WAQSR Chapter 7, Section 3 as they apply to the ESP and baghouse **and bin vent filter** controlled equipment (sources 1, 2, 3, 5, 6, 7, and 16). Compliance with the source specific monitoring, recordkeeping, and reporting requirements of this permit meets the monitoring, recordkeeping, and reporting requirements of WAQSR Chapter 7, Section 3, except for additional requirements specified under conditions CAM-2 through CAM-4.
- (CAM-2) **OPERATION OF APPROVED MONITORING [WAQSR Ch 7, Sec 3(g)]**
- (a) At all times, the permittee shall maintain the monitoring under this section, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
 - (b) Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities, the permittee shall conduct all monitoring in continuous operation (or at all required intervals) at all times that the pollutant specific emissions unit is operating.
 - (c) Upon detecting an excursion, the permittee shall restore operation of the pollutant-specific emission unit to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices. The response shall include minimizing the period of any start-up, shutdown or malfunction and taking any corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion.
 - (d) If the permittee identifies a failure to achieve compliance with an emission limit for which the monitoring did not provide an indication of an excursion while providing valid data, or the results of compliance or performance testing documents a need to modify the existing indicator ranges, the permittee shall promptly notify the Division and, if necessary, submit a proposed modification to this permit to address the necessary monitoring changes.
- (CAM-3) **QUALITY IMPROVEMENT PLAN (QIP) REQUIREMENTS [WAQSR Ch 7, Sec 3(h)]**
- (a) If the Division or the EPA Administrator determines, based on available information, that the permittee has used unacceptable procedures in response to an excursion or exceedance, the permittee may be required to develop and implement a Quality Improvement Plan (QIP).
 - (b) If required, the permittee shall maintain a written Quality Improvement Plan (QIP) and have it available for inspection.
 - (c) The plan shall include procedures for conducting one or more of the following:
 - (i) Improved preventative maintenance practices.
 - (ii) Process operation changes.
 - (iii) Appropriate improvements to control methods.
 - (iv) Other steps appropriate to correct control.
 - (v) More frequent or improved monitoring (in conjunction with (i) - (iv) above).
 - (d) If a QIP is required, the permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the Division if the period for completing the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.
 - (e) Following implementation of a QIP, upon any subsequent determination under paragraph (a) above, the Division may require the permittee to make reasonable changes to the QIP if the QIP failed to address the cause of control device problems, or failed to provide adequate procedures for correcting control device problems as expeditiously as practicable.
 - (f) Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limit(s) or any existing monitoring, testing, reporting, or recordkeeping requirements that may be applicable to the facility.
- (CAM-4) **SAVINGS PROVISIONS [WAQSR Ch 7, Sec 3(j)]**
Nothing in the CAM regulations shall excuse the permittee from compliance with any existing emission limit or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may be applicable to the facility.

WAQSR CHAPTER 5, SECTION 2 NEW SOURCE PERFORMANCE STANDARDS (NSPS) AND
40 CFR 60 SUBPART Da REQUIREMENTS FOR ELECTRIC UTILITY STEAM GENERATING UNITS
FOR WHICH CONSTRUCTION IS COMMENCED AFTER SEPTEMBER 18, 1978
(modified October 29, 2013)

SUBPART Da REQUIREMENTS

[WAQSR Ch 5, Sec 2; Ch 6, Sec 2 Permits CT-1028 and MD-398; and 40 CFR 60 Subparts A and Da]

The permittee shall meet all **applicable** requirements of WAQSR Chapter 5, Section 2 and 40 CFR 60 Subparts A and Da as they apply to each electric utility steam generating unit as defined under §60.40Da, including the boiler (source 1).

40 CFR 60 SUBPART Y REQUIREMENTS FOR COAL PREPARATION & PROCESSING PLANTS
(modified October 29, 2013)

SUBPART Y REQUIREMENTS [40 CFR 60 Subparts A and Y; and WAQSR Ch 5, Sec 2]

The permittee shall meet all **applicable** requirements of 40 CFR 60 – Subparts A and Y and WAQSR Chapter 5, Section 2 as they apply to the affected facilities as defined under §60.250 in coal preparation plants which process more than 181 Mg (200 tons) of coal per day, including: Thermal dryers, pneumatic coal-cleaning equipment (air tables), coal processing and conveying equipment (including breakers and crushers), coal storage systems, coal transfer and loading systems, and open storage piles. This includes sources 2, 3, 4, and 9.

40 CFR 60 SUBPART GG REQUIREMENTS FOR STATIONARY GAS TURBINES
(modified October 29, 2013)

(P60-GG1) SUBPART GG REQUIREMENTS

[WAQSR Ch 5, Sec 2; Ch 6, Sec 2 Permit MD-441A; and 40 CFR 60 Subparts A and GG]

The permittee shall meet all **applicable** requirements of 40 CFR 60 Subparts A and GG and WAQSR Chapter 5, Section 2 as they apply to affected stationary gas turbines as specified under §60.330, including the G.E. LM6000PD turbine engines (sources 11 and 13).

(P60-GG2) MONITORING FUEL SULFUR AND NITROGEN CONTENT

[WAQSR Ch 5, Sec 2; Ch 6, Sec 2 Permit MD-441A; and 40 CFR 60 Subpart GG]

- (a) The permittee shall demonstrate that the fuel combusted in the turbine engines meets the definition of natural gas in §60.331(u). The permittee shall use the sources of information described in §60.334(h)(3) to make the required demonstration.
- (b) No monitoring of fuel nitrogen content is required as long as the permittee does not claim an allowance for fuel bound nitrogen as described in §60.332(a), and as long as natural gas is the fuel fired in the turbine engines.

(P60-GG3) RECORDKEEPING

[WAQSR Ch 5, Sec 2(g)(ii) and (g)(v); Ch 6, Sec 2 Permit MD-441A; and Ch 6, Sec 3(h)(i)(C)(II)]

- (a) The permittee shall keep records demonstrating that the fuel used in sources 11 and 13 meets the definition of natural gas, as described in condition P60-GG2 of this permit.
- (b) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the turbine engines.
- (c) The permittee shall maintain records of all measurements, reports, and other information required by the P60 conditions of this permit in a permanent form suitable for inspection.
- (d) These records shall be retained on-site at the facility for a period of at least five (5) years from the date such records are generated. Records of the most recent demonstration that fuel meets the definition of natural gas shall be retained regardless of the date of record.

(P60-GG4) REPORTING [WAQSR Ch 6, Sec 2 Permit MD-441A and Ch 6, Sec 3(h)(i)(C)(III)]

The permittee shall submit written documentation of any change in the information used in the demonstration required by condition P60-GG2 of this permit related to the fuel fired by the turbine engines, within 45 days of such change. The reports shall be submitted in accordance with condition G4 of this permit.

Subparts are available at <http://www.gpoaccess.gov/cfr/retrieve.html>, or from the Division upon request.

**WAQSR CHAPTER 5, SECTION 3 NATIONAL EMISSION STANDARDS
FOR HAZARDOUS AIR POLLUTANTS (NESHAPS) AND**

**40 CFR 63 SUBPART ZZZZ REQUIREMENTS FOR
STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**
(modified October 29, 2013)

SUBPART ZZZZ REQUIREMENTS

[40 CFR 63 Subparts A and ZZZZ; WAQSR Ch 5, Sec 3; Ch 6, Sec 2 Permit MD-10901]

The permittee shall meet all requirements of 40 CFR 63 Subparts A and ZZZZ and WAQSR Ch 5, Sec 3 as they apply to each affected source as indicated in §63.6590(a). An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand. (As required by condition F10(c), if an engine is replaced or reconstructed, subpart applicability will need to be re-evaluated and a statement regarding applicability submitted to the Division.) This facility is currently identified as an area source of HAP emissions. Affected sources at this facility include the emergency Caterpillar 3406B diesel engine (source 15).

**40 CFR 63 SUBPART UUUUU REQUIREMENTS FOR
COAL-AND OIL-FIRED ELECTRIC UTILITY STEAM GENERATING UNITS**
(modified October 29, 2013)

SUBPART UUUUU REQUIREMENTS [40 CFR Part 63 Subparts A and UUUUU; and WAQSR Ch 5, Sec 3]

The permittee shall meet all applicable requirements of 40 CFR Part 63 Subparts A and UUUUU; and WAQSR Ch 5, Sec 3 as they apply to a new, reconstructed, and existing, coal-fired EGU (electric utility steam generating unit) or an oil-fired EGU as defined in §63.10042, including the pulverized coal boiler (source 1).

Subparts are available at <http://www.gpoaccess.gov/cfr/retrieve.html>, or from the Division upon request.

COMPLIANCE CERTIFICATION AND SCHEDULE

Compliance Certification [WAQSR Ch 6, Sec 3(h)(iii)(E)] (modified October 29, 2013)

- (C1) (a) The permittee shall submit by January 31 each year a certification addressing compliance with the requirements of this permit. The certification shall be submitted as a stand-alone document separate from any monitoring reports required under this permit.
- (b) (i) For the sulfur dioxide emissions inventory, the permittee shall assess compliance with condition F3 of this permit by reviewing records kept in accordance with condition F22 and verifying reports were submitted in accordance with condition F29.
- (ii) For visible emissions from coal preparation sources 2 and 3, the permittee shall assess compliance with condition F4(a) by conducting the monitoring required by condition F13(c).
- (iii) For visible emissions from the PECS (source 4), the permittee shall assess compliance with condition F4(c) by conducting the monitoring required by condition F16(d).
- (iv) For visible emissions from the boiler stack (source 1), the permittee shall assess compliance with condition F4(b) by conducting the monitoring required by condition F14(d).
- (v) For visible emissions from baghouse/bin vent filter sources 5, 6, 7, and 16, the permittee shall assess compliance with condition F4(b) by conducting the monitoring required by condition F13(c).
- (vi) For visible emissions from sources 11, 12, 13, and 14, and the Hanover heaters, the permittee shall assess compliance with condition F4(b) and (d) of this permit by verifying natural gas was the sole fuel source used for these units as specified in conditions F15(c) and F16(c).
- (vii) **For visible emissions from the emergency Caterpillar 3406B diesel engine (source 15), the permittee shall assess compliance with condition F4(d) by conducting the monitoring required by condition F15(g).**
- (viii) For ash truck loading and transport fugitive emissions control, the permittee shall assess compliance with conditions F4, F5, and F6 by conducting the monitoring required by condition F16(e), (f) and (g), and reviewing the records kept in accordance with condition F17.
- (ix) For particulate emissions from the boiler stack, the permittee shall assess compliance with condition F7 of this permit by conducting the testing required by condition F11(a) and CAM required by condition F13(a) and (b).
- (x) For SO₂ and NO_x emissions from the boiler stack, the permittee shall assess compliance with condition F7 by conducting the monitoring required by condition F14.
- (xi) For CO emissions from the boiler stack, the permittee shall assess compliance with condition F7 by conducting the testing required by condition F11(b).
- (xii) For VOC emissions from the boiler stack, the permittee shall assess compliance with condition F7 by conducting the monitoring required by condition F14.
- (xiii) For particulate emissions from the baghouse/bin vent filter controlled sources (sources 2, 3, 5, 6, 7 and 16), the permittee shall assess compliance with condition F8 by conducting the monitoring required by condition F13(c).
- (xiv) For natural gas consumption limits on the inlet air heaters (sources 12 and 14), the permittee shall assess compliance with condition F9(b) by conducting the monitoring required by condition F16(a).
- (xv) For NO_x and CO emissions from the inlet air heaters (sources 12 and 14), the permittee shall assess compliance with condition F9(c) by conducting the monitoring required by condition F16.
- (xvi) For NO_x and CO emissions from the turbine and emergency engines, the permittee shall assess compliance with **Table III** of condition F9 by conducting the monitoring required by condition F15.
- (xvii) **For the operating hours limitations on the emergency Caterpillar 3406B diesel engine (source 15), the permittee shall assess compliance with condition F9(f) by conducting the monitoring required by condition F15(f) and by reviewing the records kept in accordance with condition F20(e).**
- (xviii) **For greenhouse gas reporting, the permittee shall assess compliance with condition F33 by verifying that reports were submitted in accordance with condition F33(b).**

- (xix) For the boiler heat input requirements, the permittee shall assess compliance with condition F34 by conducting the monitoring required by condition F34(a), by reviewing records kept in accordance with condition F34(b) and verifying reports were submitted in accordance with condition F34(c).
- (xx) The permittee shall assess compliance with 40 CFR 60 Subpart Da by conducting any applicable testing and monitoring required by §§60.49Da and 60.50Da and by reviewing any applicable records required by §60.52Da.
- (xxi) For any unit subject to 40 CFR 60 Subpart Y, the permittee shall assess compliance with Subpart Y by conducting any applicable testing and monitoring required by §§60.255, 60.256, and 60.257, and by reviewing the records required by §60.258.
- (xxii) For any turbine engine subject to 40 CFR 60 Subpart GG, the permittee shall assess compliance with Subpart GG by conducting any applicable testing and monitoring required by §§60.334 and 60.335, and by reviewing any records required by §60.7 and Subpart GG. The permittee shall verify that the demonstration required by condition P60-GG2 has been completed and reported as described in condition P60-GG4.
- (xxiii) The permittee shall assess compliance with 40 CFR 63 Subpart ZZZZ by conducting any testing and monitoring required by §§63.6610 through 63.6640 and by reviewing the records required by §§63.6655 and 63.6665.
- (xxiv) The permittee shall assess compliance with 40 CFR 63 Subpart UUUUU by conducting any applicable testing and monitoring required by §§63.10000 through 63.10023, and by reviewing the records required by §63.10032.
- (c) The compliance certification shall include:
 - (i) The permit condition or applicable requirement that is the basis of the certification;
 - (ii) The current compliance status;
 - (iii) Whether compliance was continuous or intermittent; and
 - (iv) The methods used for determining compliance.
- (d) For any permit conditions or applicable requirements for which the source is not in compliance, the permittee shall submit with the compliance certification a proposed compliance plan and schedule for Division approval.
- (e) The compliance certification shall be submitted to the Division in accordance with condition G4 of this permit and to the Assistant Regional Administrator, Office of Enforcement, Compliance, and Environmental Justice (8ENF-T), U.S. EPA - Region VIII, 1595 Wynkoop Street, Denver, CO 80202-1129.
- (f) Determinations of compliance or violations of this permit are not restricted to the monitoring requirements listed in paragraph (b) of this condition; other credible evidence may be used.

Compliance Schedule [WAQSR Ch 6, Sec 3(h)(iii)(C) and (D)]

- (C2) The permittee shall continue to comply with the applicable requirements with which the permittee has certified that it is already in compliance.
- (C3) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.

GENERAL PERMIT CONDITIONS

Powers of the Administrator: [W.S. 35-11-110]

- (G1) (a) The Administrator may require the owner or operator of any point source to complete plans and specifications for any application for a permit required by the Wyoming Environmental Quality Act or regulations made pursuant thereto and require the submission of such reports regarding actual or potential violations of the Wyoming Environmental Quality Act or regulations thereunder.
- (b) The Administrator may require the owner or operator of any point source to establish and maintain records; make reports; install, use and maintain monitoring equipment or methods; sample emissions, or provide such other information as may be reasonably required and specified.

Permit Renewal and Expiration:

[WAQSR Ch 6, Sec 3(c)(i)(C), (d)(ii), (d)(iv)(B), and (h)(i)(B)] [W.S. 35-11-206(f)]

- (G2) This permit is issued for a fixed term of five years. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted at least six months prior to the date of permit expiration. If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit is not a violation of WAQSR Chapter 6, Section 3 until the Division takes final action on the renewal application. This protection shall cease to apply after a completeness determination if the applicant fails to submit by the deadline specified in writing by the Division any additional information identified as being needed to process the application.

Duty to Supplement: [WAQSR Ch 6, Sec 3(c)(iii)]

- (G3) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after this permit is issued.

Submissions: [WAQSR Ch 6, Sec 3(c)(iv)] [W.S. 35-11-206(c)]

- (G4) Any document submitted shall be certified as being true, accurate, and complete by a responsible official.
- (a) Submissions to the Division.
- (i) Any submissions to the Division including reports, certifications, and emission inventories required under this permit shall be submitted as separate, stand-alone documents and shall be sent to:
- Administrator, Air Quality Division
122 West 25th Street
Cheyenne, Wyoming 82002
- (ii) A copy of each submission to the Administrator under paragraph (a)(i) of this condition shall be sent to the DEQ Air Quality Contact listed on page 3 of this permit.
- (b) Submissions to EPA.
- (i) Each certification required under condition C1 of this permit shall also be sent to:
- Assistant Regional Administrator
Office of Enforcement, Compliance, and Environmental Justice (8ENF-T)
U.S. EPA - Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129.
- (ii) All other required submissions to EPA shall be sent to:
- Office of Partnerships and Regulatory Assistance
Air and Radiation Program (8P-AR)
U.S. EPA - Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

Changes for Which No Permit Revision Is Required: [WAQSR Ch 6, Sec 3(d)(iii)]

- (G5) The permittee may change operations without a permit revision provided that:
- (a) The change is not a modification under any provision of title I of the Clean Air Act;
 - (b) The change has met the requirements of Chapter 6, Section 2 of the WAQSR and is not a modification under Chapter 5, Section 2 or Chapter 6, Section 4 of the WAQSR and the changes do not exceed the emissions allowed under the permit (whether expressed therein as a rate of emissions or in terms of total emissions); and
 - (c) The permittee provides EPA and the Division with written notification at least 14 days in advance of the proposed change. The permittee, EPA, and the Division shall attach such notice to their copy of the relevant permit. For each such change, the written notification required shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change. The permit shield, if one exists for this permit, shall not apply to any such change made.

Transfer of Ownership or Operation: [WAQSR Ch 6, Sec 3(d)(v)(A)(IV)]

- (G6) A change in ownership or operational control of this facility is treated as an administrative permit amendment if no other change in this permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Division.

Reopening for Cause: [WAQSR Ch 6, Sec 3(d)(vii)] [W.S. 35-11-206(f)(ii) and (iv)]

- (G7) The Division will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:
- (a) Additional applicable requirements under the Clean Air Act or the WAQSR that become applicable to this source if the remaining permit term is three or more years. Such reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended.
 - (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - (c) The Division or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
 - (d) The Division or EPA determines that the permit must be revised or revoked to assure compliance with applicable requirements.

Annual Fee Payment: [WAQSR Ch 6, Sec 3(f)(i), (ii), and (vi)] [W.S. 35-11-211]

- (G8) The permittee shall, as a condition of continued operations, submit an annual fee to the Division as established in Chapter 6, Section 3 (f) of the WAQSR. The Division shall give written notice of the amount of fee to be assessed and the basis for such fee assessment annually. The assessed fee is due on receipt of the notice unless the fee assessment is appealed pursuant to W.S. 35-11-211(d). If any part of the fee assessment is not appealed it shall be paid to the Division on receipt of the written notice. Any remaining fee which may be due after completion of the appeal is immediately due and payable upon issuance of the Council's decision. Failure to pay fees owed the Division is a violation of Chapter 6, Section 3 (f) and W.S. 35-11-203 and may be cause for the revocation of this permit.

Annual Emissions Inventories: [WAQSR Ch 6, Sec 3(f)(v)(G)]

- (G9) The permittee shall submit an annual emission inventory for this facility to the Division for fee assessment and compliance determinations within 60 days following the end of the calendar year. The emissions inventory shall be in a format specified by the Division.

Severability Clause: [WAQSR Ch 6, Sec 3(h)(i)(E)]

- (G10) The provisions of this permit are severable, and if any provision of this permit, or the application of 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.

Compliance: [WAQSR Ch 6, Sec 3(h)(i)(F)(I) and (II)] [W.S. 35-11-203(b)]

- (G11) The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Air Act, Article 2 of the Wyoming Environmental Quality Act, and the WAQSR and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Permit Actions: [WAQSR Ch 6, Sec 3(h)(i)(F)(III)] [W.S. 35-11-206(f)]

- (G12) This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Property Rights: [WAQSR Ch 6, Sec 3(h)(i)(F)(IV)]

- (G13) This permit does not convey any property rights of any sort, or any exclusive privilege.

Duty to Provide Information: [WAQSR Ch 6, Sec 3(h)(i)(F)(V)]

- (G14) The permittee shall furnish to the Division, within a reasonable time, any information that the Division 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. Upon request, the permittee shall also furnish to the Division copies of records required to be kept by the permit, including information claimed and shown to be confidential under W.S. 35-11-1101 (a) of the Wyoming Environmental Quality Act. Upon request by the Division, the permittee shall also furnish confidential information directly to EPA along with a claim of confidentiality.

Emissions Trading: [WAQSR Ch 6, Sec 3(h)(i)(H)]

- (G15) No permit revision is required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

Inspection and Entry: [WAQSR Ch 6, Sec 3(h)(iii)(B)] [W.S. 35-11-206(c)]

- (G16) Authorized representatives of the Division, upon presentation of credentials and other documents as may be required by law, shall be given permission to:
- (a) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
 - (b) have access to and copy at reasonable times any records that must be kept under the conditions of this permit;
 - (c) inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
 - (d) sample or monitor any substances or parameters at any location, during operating hours, for the purpose of assuring compliance with this permit or applicable requirements.

Excess Emissions Due to an Emergency: [WAQSR Ch 6, Sec 3(l)]

- (G17) The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency, as defined in Ch 6, Sec 3(l)(i) of the WAQSR. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (a) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - (b) the permitted facility was, at the time, being properly operated;
 - (c) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit;

- (d) The permittee submitted notice of the emergency to the Division within one working day of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

Diluting and Concealing Emissions: [WAQSR Ch 1, Sec 4]

- (G18) No person shall cause or permit the installation or use of any device, contrivance, or operational schedule which, without resulting in reduction of the total amount of air contaminant released to the atmosphere, shall dilute or conceal an emission from a source. This condition shall not apply to the control of odors.

Unavoidable Equipment Malfunction: [WAQSR Ch 1, Sec 5]

- (G19) (a) Any source believing that any emissions in excess of established regulation limits or standards resulted from an unavoidable equipment malfunction, shall notify the Division within 24 hours of the incident via telephone, electronic mail, fax, or other similar method. A detailed description of the circumstances of the incident as described in paragraph 5(a)(i)(A) Chapter 1, including a corrective program directed at preventing future such incidents, must be submitted within 14 days of the onset of the incident. The Administrator may extend this 14-day time period for cause.
- (b) The burden of proof is on the owner or operator of the source to provide sufficient information to demonstrate that an unavoidable equipment malfunction occurred.

Fugitive Dust: [WAQSR Ch 3, Sec 2(f)]

- (G20) The permittee shall minimize fugitive dust in compliance with standards in Ch 3, Sec 2(f) of WAQSR for construction/demolition activities, handling and transportation of materials, and agricultural practices.

Carbon Monoxide: [WAQSR Ch 3, Sec 5]

- (G21) The emission of carbon monoxide in stack gases from any stationary source shall be limited as may be necessary to prevent ambient standards from being exceeded.

Asbestos: [WAQSR Ch 3, Sec 8]

- (G22) The permittee shall comply with emission standards for asbestos during abatement, demolition, renovation, manufacturing, spraying and fabricating activities.
- (a) No owner or operator shall build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size.
- (b) All owners and operators conducting an asbestos abatement project, including an abatement project on a residential building, shall be responsible for complying with Federal requirements and State standards for packaging, transportation, and delivery to an approved waste disposal facility as provided in paragraph (m) of Ch 3, Sec 8.
- (c) The permittee shall follow State and Federal standards for any demolition and renovation activities conducted at this facility, including:
- (i) A thorough inspection of the affected facility or part of the facility where the demolition or renovation activity will occur shall be conducted to determine the presence of asbestos, including Category I and Category II non-friable asbestos containing material. The results of the inspection will determine which notification and asbestos abatement procedures are applicable to the activity.
- (ii) The owner or operator shall follow the appropriate notification requirements of Ch 3, Sec 8(i)(ii).
- (iii) The owner or operator shall follow the appropriate procedures for asbestos emissions control, as specified in Chapter 3, Section 8(i)(iii).
- (d) No owner or operator of a facility may install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. The provisions of this paragraph do not apply to spray-applied insulating materials regulated under paragraph (j) of Ch 3, Sec 8.
- (e) The permittee shall comply with all other requirements of WAQSR Ch 3, Sec 8.

Open Burning Restrictions: [WAQSR Ch 10, Sec 2]

- (G23) The permittee conducting an open burn shall comply with all rules and regulations of the Wyoming Department of Environmental Quality, Division of Air Quality, and with the Wyoming Environmental Quality Act.
- (a) No person shall burn prohibited materials using an open burning method, except as may be authorized by permit. ***Prohibited materials*** means substances including, but not limited to; natural or synthetic rubber products, including tires; waste petroleum products, such as oil or used oil filters; insulated wire; plastic products, including polyvinyl chloride ("PVC") pipe, tubing and connectors; tar, asphalt, asphalt shingles, or tar paper; railroad ties; wood, wood waste, or lumber that is painted or chemically treated; explosives or ammunition; batteries; hazardous waste products; asbestos or asbestos containing materials; or materials which cause dense smoke discharges, excluding refuse and flaring associated with oil and gas well testing, completions and well workovers.
 - (b) No person or organization shall conduct or cause or permit open burning for the disposal of trade wastes, for a salvage operation, for the destruction of fire hazards if so designated by a jurisdictional fire authority, or for fire fighting training, except when it can be shown by a person or organization that such open burning is absolutely necessary and in the public interest. Any person or organization intending to engage in such open burning shall file a request to do so with the Division.

Sulfur Dioxide Emission Trading and Inventory Program [WAQSR Ch 14]

- (G24) Any BART (Best Available Retrofit Technology) eligible facility, or facility which has actual emissions of SO₂ greater than 100 tpy in calendar year 2000 or any subsequent year, shall comply with the applicable requirements of WAQSR Ch 14, Sections 1 through 3, with the exceptions described in sections 2(c) and 3(a).

Stratospheric Ozone Protection Requirements: [40 CFR Part 82]

- (G25) The permittee shall comply with all applicable Stratospheric Ozone Protection Requirements, including but not limited to:
- (a) *Standards for Appliances* [40 CFR Part 82, Subpart F]
The permittee shall comply with the standards for recycling and emission reduction pursuant to 40 CFR Part 82, Subpart F - Recycling and Emissions Reduction, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - (i) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - (ii) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - (iii) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - (iv) Persons disposing of small appliances, MVACs and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like appliance" as defined at §82.152).
 - (v) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.166.
 - (vi) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
 - (vii) The permittee shall comply with all other requirements of Subpart F.
 - (b) *Standards for Motor Vehicle Air Conditioners* [40 CFR Part 82, Subpart B]
If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or the system used on passenger buses using HCFC-22 refrigerant.

STATE ONLY PERMIT CONDITIONS
(modified October 29, 2013)

The conditions listed in this section are State only requirements and are not federally enforceable.

Ambient Standards

(S1) The permittee shall operate the emission units described in this permit such that the following ambient standards are not exceeded:

POLLUTANT	STANDARD	CONDITION	WAQSR CH. 2, SEC.
PM ₁₀ particulate matter	50 micrograms per cubic meter	annual arithmetic mean	2 (a)
	150 micrograms per cubic meter	24-hr average concentration with not more than one exceedance per year	
PM _{2.5} particulate matter	15 micrograms per cubic meter	annual arithmetic mean	2 (b)
	35 micrograms per cubic meter	98 th percentile 24-hour average concentration	
Nitrogen dioxide	53 parts per billion	annual average concentration	3
	100 parts per billion	three-year average of the annual 98 th percentile of the daily maximum 1-hr average concentration	
	0.053 parts per million	annual arithmetic mean	
Sulfur dioxide	75 parts per billion	three-year average of the annual (99 th percentile) of the daily max 1-hr average	4
	0.5 parts per million	3-hr blocks not to be exceeded more than once per calendar year	
Carbon monoxide	10 milligrams per cubic meter	max 8-hr concentration with not more than one exceedance per year	5
	40 milligrams per cubic meter	max 1-hr concentration with not more than one exceedance per year	
Ozone	0.075 parts per million	three-year average of the annual fourth-highest daily maximum 8-hour average concentration	6
Hydrogen sulfide	70 micrograms per cubic meter	½ hour average not to be exceeded more than two times per year	7
	40 micrograms per cubic meter	½ hour average not to be exceeded more than two times in any five consecutive days	
Suspended sulfate	0.25 milligrams SO ₃ per 100 square centimeters per day	maximum annual average	8
	0.50 milligrams SO ₃ per 100 square centimeters per day	maximum 30-day value	
Lead and its compounds	0.15 micrograms per cubic meter	maximum arithmetic 3-month mean concentration for a 3-year period	10

Hydrogen Sulfide: [WAQSR Ch 3, Sec 7]

- (S2) Any exit process gas stream containing hydrogen sulfide which is discharged to the atmosphere from any source shall be vented, incinerated, flared or otherwise disposed of in such a manner that ambient sulfur dioxide and hydrogen sulfide standards are not exceeded.

Odors: [WAQSR Ch 2, Sec 11]

- (S3) (a) The ambient air standard for odors from any source shall be limited to an odor emission at the property line which is undetectable at seven dilutions with odor free air as determined by a scentometer as manufactured by the Barnebey-Cheney Company or any other instrument, device, or technique designated by the Division as producing equivalent results. The occurrence of odors shall be measured so that at least two measurements can be made within a period of one hour, these determinations being separated by at least 15 minutes.
- (b) Odor producing materials shall be stored, transported, and handled in a manner that odors produced from such materials are confined and that accumulation of such materials resulting from spillage or other escape is prevented.

ACID RAIN PERMIT CONDITIONS
ACID RAIN PORTION OF THE OPERATING PERMIT

Issued to: Neil Simpson Station II
 Operated by: Black Hills Power and Light Company
 ORIS code: 7504
 Effective: Same as operating permit

Acid Rain Permit Contents

- AR-1) Statement of Basis.
- AR-2) SO₂ allowances allocated under this permit and NO_x requirements for each affected unit.
- AR-3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements or conditions.
- AR-4) The permit application submitted for this source, as corrected by the Division. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

AR-1) Statement of Basis

Statutory and Regulatory Authorities: In accordance with Chapter 11 of the Wyoming Air Quality Standards and Regulations and Titles IV and V of the Clean Air Act, this permit is issued by the Division.

AR-2) SO₂ Allowance Allocations & NO_x Requirements for affected units

Unit 1	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR part 73.	There is no Phase II Acid Rain sulfur dioxide allowance allocation for this unit.
	NO _x limit	There is no applicable Acid Rain emissions limitation for nitrogen oxides for this unit.
Unit CT1 (Source 11)	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR part 73.	There is no Phase II Acid Rain sulfur dioxide allowance allocation for this unit.
	NO _x limit	There is no applicable Acid Rain emissions limitation for nitrogen oxides for this unit.
Unit CT2 (Source 13)	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR part 73.	There is no Phase II Acid Rain sulfur dioxide allowance allocation for this unit.
	NO _x limit	There is no applicable Acid Rain emissions limitation for nitrogen oxides for this unit.

AR-3) Comments, Notes and Justifications: Unit I commenced operation August 28, 1995. CT-1 commenced operation on June 15, 2000 and CT-2 commenced operation on April 26, 2001.

AR-4) Permit Application: See Appendix F of this operating permit.

SUMMARY OF SOURCE EMISSION LIMITS AND REQUIREMENTS

Source ID#: 1 Source Description: **B&W Pulverized Coal-Fired Boiler (modified October 29, 2013)**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F4] 0.02 lb/MMBtu, 20 lb/hr, 89 TPY [F7]	WAQSR Ch 6, Sec 2 Permit CT-1028	Annual testing [F11]	Compliance Assurance Monitoring (CAM) [F13] Continuous opacity monitoring [F14]	Test records [F18] Record CAM results and CEM monitoring [F19]	Report test results [F24] Report CAM results semiannually [F25] Report excess emissions and monitoring system performance [F26] Report excess emissions and permit deviations [F30]
SO ₂	0.20 lb/MMBtu on a three-hour block average; 0.17 to 0.20 lb/MMBtu and 203 lb/hr on a 30-day rolling average; 889 TPY [F7] Title IV allowances [F2] No Phase II allowance allocation [AR-2]	WAQSR Ch 6, Sec 2 Permits CT-1028 and MD-1032 WAQSR Ch 6, Sec 3(h)(i)(D) 40 CFR 72	Testing if required [F12]	Continuous emissions monitoring [F14] 40 CFR 75 Subpart B	Monitoring records [F19] 40 CFR 75 Subpart F	Report excess emissions and monitoring system performance [F26] Report excess emissions and permit deviations [F30] 40 CFR 75 Subpart G
NO _x	0.23 lb/MMBtu and 299.0 lb/hr on a 30-day rolling average; 1022 TPY [F7] No applicable acid rain emission limitation [AR-2]	WAQSR Ch 6, Sec 2 Permits CT-1028, MD-398 and MD-1032 40 CFR 76	Testing if required [F12]	Continuous emissions monitoring [F14] 40 CFR 75 Subpart B	Monitoring records [F19] 40 CFR 75 Subpart F	Report excess emissions and monitoring system performance [F26] Report excess emissions and permit deviations [F30] 40 CFR 75 Subpart G
CO	0.15 lb/MMBtu, 152 lb/hr, 666 TPY [F7]	WAQSR Ch 6, Sec 2 Permit CT-1028	Annual testing [F11]	Test once per year [F14]	Test records [F18]	Report test results [F24] Report excess emissions and permit deviations [F30]
VOCs	0.015 lb/MMBtu, 15 lb/hr, 66 TPY [F7]	WAQSR Ch 6, Sec 2 Permit CT-1028	Testing if required [F12]	Test once per calendar year [F14]	Monitoring records [F19]	Report monitoring results [F24] Report excess emissions and permit deviations [F30]
Heat Input	10,157,515 MMBtu per calendar year [F34]	WAQSR Ch 6, Sec 2 Waiver AP-8924	Testing if required [F12]	Monthly heat input monitoring using CEM data [F34]	Monitoring records [F34]	Annually: report monitoring results [F34] 10 days: report excess heat input [F34]
Additional SO ₂ , NO _x , CO	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & Da					
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & UUUUU					

These tables are intended only to highlight and summarize applicable requirements for each source. The corresponding permit conditions, listed in brackets, contain detailed descriptions of the compliance requirements. Compliance with the summary conditions in these tables may not be sufficient to meet permit requirements. These tables may not reflect all emission sources at this facility.

Source ID#: 2 and 3 Source Description: **Top of Coal Storage Silo, Top of Boiler Building – Baghouses (modified October 29, 2013)**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	Less than 20 percent opacity [F4] Particulate: 0.01 gr/acf. lb/hr, and TPY per Table II [F8]	WAQSR Ch 6, Sec 2 Permit CT-1028	Testing if required [F12]	Compliance Assurance Monitoring (CAM) [F13]	Record CAM results [F19]	Monitoring reports [F25] Report excess emissions and permit deviations [F30]
Additional Particulate	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & Y					

Source ID#: 4 Source Description: **Bottom of Coal Storage Silo – PECS (modified October 29, 2013)**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	No visible emissions from PECS [F4]	WAQSR Ch 5, Sec 2; Ch 6, Sec 2 Waiver AP-3431	Testing if required [F12]	Daily visual observations [F16]	Record visual observations and corrective actions [F19]	Monitoring reports [F23] Report excess emissions and permit deviations [F30]
Additional Particulate	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & Y					

Source ID#: 5, 6, 7, and 16 Source Description: **Other Baghouse and Bin Vent Filter Sources (modified October 29, 2013)**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	Less than 20 percent opacity [F4] Particulate (sources 5, 6, 7): 0.01 gr/acf. lb/hr, and TPY per Table II [F8] Particulate (source 16): 0.005 gr/dscf, 0.2 lb/hr, 0.9 TPY [F8]	WAQSR Ch 6, Sec 2 Permits CT-1028 and MD-10901 September 21, 1994 permittee letter	Testing if required [F12]	Compliance Assurance Monitoring (CAM) [F13]	Record CAM results [F19]	Monitoring reports [F25] Report excess emissions and permit deviations [F30]

These tables are intended only to highlight and summarize applicable requirements for each source. The corresponding permit conditions, listed in brackets, contain detailed descriptions of the compliance requirements. Compliance with the summary conditions in these tables may not be sufficient to meet permit requirements. These tables may not reflect all emission sources at this facility.

Source ID#: **Fugitives-Truck Loading, and 8** Source Description: **Fugitives-Truck Loading, and Waste Ash Haul Road Fugitive Emissions**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F4] Fugitive emissions controls [F5 and F6]	WAQSR Ch 6, Sec 2 Permit CT-1028 and Waiver AP-8405-1	None	Monitor use of the wet handling system, water supplied and ash loaded. [F16] Method 9 monitoring of dry waste unloading system every 2000 hours. [F16]	Record time the wet handling system is used, amount of water used and ash loaded during the month. [F17] Record amount of water and chemicals used on the haul roads. [F17] Method 9 records [F18]	Use of the wet suppression system. Moisture content of the ash moved. [F23] Fugitive emissions control reports [F23] Report excess emissions and permit deviations [F30]

Source ID#: **11 and 13** Source Description: **Combustion Turbines (modified October 29, 2013)**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F4]	WAQSR Ch 6, Sec 2 Permit MD-441A	Testing if required [F12]	Verification of natural gas firing [F15]	Record results of any additional testing [F18]	Report excess emissions and permit deviations [F30]
SO ₂	Fire only pipeline quality natural gas [F9] Title IV allowances [F2] No Phase II allowance allocation [AR-2]	WAQSR Ch 6, Sec 2 Permit MD-441A 40 CFR 72	Testing if required [F12]	Natural gas demonstration [P60-GG2] 40 CFR 75 Subpart B	Demonstration and NSPS records [P60-GG3] 40 CFR 75 Subpart F	Report change in demonstration [P60-GG4] Report excess emissions and permit deviations [F30] 40 CFR 75 Subpart G
NO _x	25 ppm @ 15% O ₂ (24 hr rolling avg.), 34.0 lb/hr (24 hr rolling avg.), 148.9 TPY [F9] No applicable acid rain emission limitation [AR-2]	WAQSR Ch 6, Sec 2 Permit MD-441A	Testing if required [F12]	Continuous emissions monitoring [F15] No fuel nitrogen monitoring [P60-GG2] 40 CFR 75 Subpart B	Monitoring records [F20] 40 CFR 75 Subpart F	Quarterly excess emissions and monitoring system performance reports [F27] Report excess emissions and permit deviations [F30] 40 CFR 75 Subpart G
CO	25 ppm @ 15% O ₂ , 21.0 lb/hr, 92.0 TPY [F9]	WAQSR Ch 6, Sec 2 Permit MD-441A	Testing if required [F12]	Test once per calendar year [F15]	Monitoring records [F20]	Report monitoring results [F24] Report excess emissions and permit deviations [F30]
Additional SO₂ and NO_x	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & GG					

These tables are intended only to highlight and summarize applicable requirements for each source. The corresponding permit conditions, listed in brackets, contain detailed descriptions of the compliance requirements. Compliance with the summary conditions in these tables may not be sufficient to meet permit requirements. These tables may not reflect all emission sources at this facility.

Source ID#: 12 and 14 Source Description: Inlet Air Heaters

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F4]	WAQSR Ch 3, Sec 2	Testing if required [F12]	Verification of natural gas firing [F16]	Record results of any additional testing [F18]	Report excess emissions and permit deviations [F30]
NO _x	0.05 lb/MMBtu, 0.9 lb/hr, and 1.4 TPY [F9] Natural gas consumption of each heater is limited to 54,151,625 SCF/year [F9]	WAQSR Ch 6, Sec 2 Permit MD-604A	Testing if required [F12]	Test once per permit term [F16] Monitor fuel consumption [F16]	Monitoring records [F21] Record fuel consumption [F21]	Report monitoring results [F24] Report fuel consumption [F28] Report excess emissions and permit deviations [F30]
CO	0.11 lb/MMBtu, 1.9 lb/hr, and 2.8 TPY [F9]	WAQSR Ch 6, Sec 2 Permit MD-604A	Testing if required [F12]	Test once per permit term [F16] Monitor fuel consumption [F16]	Monitoring records [F21] Record fuel consumption [F21]	Report monitoring results [F24] Report fuel consumption [F28] Report excess emissions and permit deviations [F30]

Source ID#: 15 Source Description: Emergency Diesel Fire Pump Engine (modified October 29, 2013)

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	30 percent opacity [F4]	WAQSR Ch 3, Sec 2	Testing if required [F12]	Semi-annual observations [F15]	Record results of any additional testing [F18]	Report excess emissions and permit deviations [F30]
NO _x	14.1 g/hp-hr, 9.1 lb/hr [F9] 500 hours per year [F9]	WAQSR Ch 6, Sec 2 Permit MD-10901	Testing if required [F12]	Test once every five years [F15] Hour meter [F9]	Monitoring records [F21] Record operating hours [F20]	Report monitoring results [F24] Report excess emissions and permit deviations [F30]
CO	3.1 g/hp-hr, 2.0 lb/hr [F9] 500 hours per year [F9]	WAQSR Ch 6, Sec 2 Permit MD-10901	Testing if required [F12]	Test once every five years [F15] Hour meter [F9]	Monitoring records [F21] Record operating hours [F20]	Report monitoring results [F24] Report excess emissions and permit deviations [F30]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: None Source Description: (2) Hanover Company Heaters

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F4]	WAQSR Ch 3, Sec 2	Testing if required [F12]	Verification of natural gas firing [F16]	Record results of any additional testing [F18]	Report excess emissions and permit deviations [F30]
NO _x	0.20 lb/MMBtu [F9]	WAQSR Ch 3, Sec 3	Testing if required [F12]	None	Record results of any additional testing [F18]	Report excess emissions and permit deviations [F30]

These tables are intended only to highlight and summarize applicable requirements for each source. The corresponding permit conditions, listed in brackets, contain detailed descriptions of the compliance requirements. Compliance with the summary conditions in these tables may not be sufficient to meet permit requirements. These tables may not reflect all emission sources at this facility.

ABBREVIATIONS

ACFM	Actual cubic feet per minute
AQD	Air Quality Division
BACT	Best available control technology (see Definitions)
Btu	British Thermal Unit
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
C.F.R.	Code of Federal Regulations
CO	Carbon monoxide
°F	Degrees Fahrenheit
DEQ	Wyoming Department of Environmental Quality
EPA	United States Environmental Protection Agency (see Definitions)
ESP	Electrostatic Precipitator
g/hp-hr	Gram(s) per horsepower hour
gal	Gallon(s)
gr	Grain(s)
H ₂ S	Hydrogen sulfide
HAP(s)	Hazardous air pollutant(s)
hp	Horsepower
hr	Hour(s)
lb	Pound(s)
M	Thousand
MACT	Maximum available control technology (see Definitions)
mfr	Manufacturer
mg	Milligram(s)
MM	Million
MVACs	Motor vehicle air conditioners
N/A	Not applicable
NMHC(s)	Non-methane hydrocarbon(s)
NO _x	Oxides of nitrogen
O ₂	Oxygen
OPP	Operating Permit Program
PM	Particulate matter
PM ₁₀	Particulate matter less than or equal to a nominal diameter of 10 micrometers
ppmv	Parts per million (by volume)
ppmw	Parts per million (by weight)
QIP	Quality Improvement Plan
SCF	Standard cubic foot (feet)
SCFD	Standard cubic foot (feet) per day
SCM	Standard cubic meter(s)
SIC	Standard Industrial Classification
SO ₂	Sulfur dioxide
SO ₃	Sulfur trioxide
SO _x	Oxides of sulfur
TBD	To be determined
TPD	Ton(s) per day
TPH	Ton(s) per hour
TPY	Tons per year
U.S.C.	United States Code
µg	Microgram(s)
VOC(s)	Volatile organic compound(s)
W.S.	Wyoming Statute
WAQSR	Wyoming Air Quality Standards & Regulations (see Definitions)

DEFINITIONS

"Act" means the Clean Air Act, as amended, 42 U.S.C. 7401, *et seq.*

"Administrator" means Administrator of the Air Quality Division, Wyoming Department of Environmental Quality.

"Applicable requirement" means all of the following as they apply to emissions units at a source subject to Chapter 6, Section 3 of the WAQSR (including requirements with future effective compliance dates that have been promulgated or approved by the EPA or the State through rulemaking at the time of issuance of the operating permit):

- (a) Any standard or other requirement provided for in the Wyoming implementation plan approved or promulgated by EPA under title I of the Act that implements the relevant requirements of the Act, including any revisions to the plan promulgated in 40 C.F.R. Part 52;
- (b) Any standards or requirements in the WAQSR which are not a part of the approved Wyoming implementation plan and are not federally enforceable;
- (c) Any term or condition of any preconstruction permits issued pursuant to regulations approved or promulgated through rulemaking under title I, including parts C or D of the Act and including Chapter 5, Section 2 and Chapter 6, Sections 2 and 4 of the WAQSR;
- (d) Any standard or other requirement promulgated under Section 111 of the Act, including Section 111(d) and Chapter 5, Section 2 of the WAQSR;
- (e) Any standard or other requirement under Section 112 of the Act, including any requirement concerning accident prevention under Section 112(r)(7) of the Act and including any regulations promulgated by EPA and the State pursuant to Section 112 of the Act;
- (f) Any standard or other requirement of the acid rain program under title IV of the Act or the regulations promulgated thereunder;
- (g) Any requirements established pursuant to Section 504(b) or Section 114(a)(3) of the Act concerning enhanced monitoring and compliance certifications;
- (h) Any standard or other requirement governing solid waste incineration, under Section 129 of the Act;
- (i) Any standard or other requirement for consumer and commercial products, under Section 183(e) of the Act (having to do with the release of volatile organic compounds under ozone control requirements);
- (j) Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under title VI of the Act, unless the EPA has determined that such requirements need not be contained in a title V permit;
- (k) Any national ambient air quality standard or increment or visibility requirement under part C of title I of the Act, but only as it would apply to temporary sources permitted pursuant to Section 504(e) of the Act; and
- (l) Any state ambient air quality standard or increment or visibility requirement of the WAQSR.
- (m) Nothing under paragraphs (A) through (L) above shall be construed as affecting the allowance program and Phase II compliance schedule under the acid rain provision of Title IV of the Act.

"BACT" or "Best available control technology" means an emission limitation (including a visible emission standard) based on the maximum degree of reduction of each pollutant subject to regulation under the WAQSR or regulation under the Federal Clean Air Act, which would be emitted from or which results for any proposed major emitting facility or major modification which the Administrator, on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for such source or modification through application or production processes and available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of such pollutant. If the Administrator determines that technological or economic limitations on the application of measurement methodology to a particular class of sources would make the imposition of an emission standard infeasible, he may instead prescribe a design,

equipment, work practice or operational standard or combination thereof to satisfy the requirement of Best Available Control Technology. Such standard shall, to the degree possible, set forth the emission reduction achievable by implementation of such design, equipment, work practice, or operation and shall provide for compliance by means which achieve equivalent results. Application of BACT shall not result in emissions in excess of those allowed under Chapter 5, Section 2 of the WAQSR and any other new source performance standard or national emission standards for hazardous air pollutants promulgated by EPA but not yet adopted by the state.

"Department" means the Wyoming Department of Environmental Quality or its Director.

"Director" means the Director of the Wyoming Department of Environmental Quality.

"Division" means the Air Quality Division of the Wyoming Department of Environmental Quality or its Administrator.

"Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

"EPA" means the Administrator of the U.S. Environmental Protection Agency or the Administrator's designee.

"Fuel-burning equipment" means any furnace, boiler apparatus, stack, or appurtenances thereto used in the process of burning fuel or other combustible material for the purpose of producing heat or power by indirect heat transfer.

"Fugitive emissions" means those emissions which could not reasonably pass through a stack chimney, vent, or other functionally equivalent opening.

"Insignificant activities" means those activities which are incidental to the facility's primary business activity and which result in emissions of less than one ton per year of a regulated pollutant not included in the Section 112 (b) list of hazardous air pollutants or emissions less than 1000 pounds per year of a pollutant regulated pursuant to listing under Section 112 (b) of the Act provided, however, such emission levels of hazardous air pollutants do not exceed exemptions based on insignificant emission levels established by EPA through rulemaking for modification under Section 112 (g) of the Act.

"MACT" or "Maximum achievable control technology" means the maximum degree of reduction in emissions that is deemed achievable for new sources in a category or subcategory that shall not be less stringent than the emission control that is achieved in practice by the best controlled similar source, as determined by the Administrator. Emission standards promulgated for existing sources in a category or subcategory may be less stringent than standards for new sources in the same category or subcategory but shall not be less stringent, and may be more stringent than:

- (a) the average emission limitation achieved by the best performing 12 percent of the existing sources (for which the Administrator has emission information), excluding those sources that have, within 18 months before the emission standard is proposed or within 30 months before such standard is promulgated, whichever is later, first achieved a level of emission rate or emission reduction which complies, or would comply if the source is not subject to such standard, with the lowest achievable emission rate applicable to the source category and prevailing at the time, in the category or subcategory for categories and subcategories with 30 or more sources, or
- (b) the average emission limitation achieved by the best performing five sources (for which the Administrator has or could reasonably obtain emissions information) in the category or subcategory for categories or subcategories with fewer than 30 sources.

"Modification" means any physical change in, or change in the method of operation of, an affected facility which increases the amount of any air pollutant (to which any state standards applies) emitted by such facility or which results in the emission of any such air pollutant not previously emitted.

"Permittee" means the person or entity to whom a Chapter 6, Section 3 permit is issued.

"Potential to emit" means the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by EPA and the

Division. This term does not alter or affect the use of this term for any other purposes under the Act, or the term "capacity factor" as used in title IV of the Act or the regulations promulgated thereunder.

"Regulated air pollutant" means the following:

- (a) Nitrogen oxides (NO_x) or any volatile organic compound;
- (b) Any pollutant for which a national ambient air quality standard has been promulgated;
- (c) Any pollutant that is subject to any standard established in Chapter 5, Section 2 of the WAQSR or Section 111 of the Act;
- (d) Any Class I or II substance subject to a standard promulgated under or established by title VI of the Act; or
- (e) Any pollutant subject to a standard promulgated under Section 112 or other requirements established under Section 112 of the Act, including Sections 112(g), (j), and (r) of the Act, including the following:
 - (i) Any pollutant subject to requirements under Section 112(j) of the Act. If EPA fails to promulgate a standard by the date established pursuant to Section 112(e) of the Act, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established pursuant to Section 112(e) of the Act; and
 - (ii) Any pollutant for which the requirements of Section 112(g)(2) of the Act have been met, but only with respect to the individual source subject to Section 112(g)(2) requirement.
- (f) Pollutants regulated solely under Section 112(r) of the Act are to be regulated only with respect to the requirements of Section 112(r) for permits issued under this Chapter 6, Section 3 of the WAQSR.

"Renewal" means the process by which a permit is reissued at the end of its term.

"Responsible official" means one of the following:

- (a) For a corporation:
 - (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - (ii) A duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (A) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars); or
 - (B) the delegation of authority to such representative is approved in advance by the Division;
- (b) For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
- (c) For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or
- (d) For affected sources:
 - (i) The designated representative or alternate designated representative in so far as actions, standards, requirements, or prohibitions under title IV of the Act or the regulations promulgated thereunder are concerned; and
 - (ii) The designated representative, alternate designated representative, or responsible official under Chapter 6, Section 3 (b)(xxvi) of the WAQSR for all other purposes under this section.

"WAQSR" means the Wyoming Air Quality Standards and Regulations promulgated under the Wyoming Environmental Quality Act, W.S. §35-11-101, *et seq.*

APPENDIX A

Compliance Assurance Monitoring (CAM) Plan

(Amended January 26, 2012)

BLACK HILLS POWER, INC
NEIL SIMPSON II POWER PLANT – GILLETTE, WYOMING
COMPLIANCE ASSURANCE MONITORING PLAN

Revised: January 12, 2012

BACKGROUND

1. Emissions Unit

Description: Coal Fired Boiler with ESP as Control

Identification: 001 in permit 3-2-158

Facility: Neil Simpson II - Gillette, Wyoming

2. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation: PM Limit: PM Limit: WAQSR Chapter 6, Sec 2, PSD BACT CT-1028

Emission Limits: PM: 0.02 lb/MMBtu

Opacity: 20 percent

3. Monitoring Requirements:

Continuous Opacity Monitoring System (COMS) with submission of quarterly reports.

4. Control Technology

Electrostatic Precipitator

MONITORING APPROACH

1. Monitoring Approach

- Establish and maintain an opacity limitation directly related to the particulate matter (PM) limit through allowable provisions detailed in 40 CFR Part 60 Subpart Da, 60.48Da(o).
- A 40CFR60 Performance Specification 1 certified Continuous Opacity Monitoring System (COMS) will be used to continuously monitor Particulate Emissions (PM). Initially, then at least annually, extended EPA Method 5 PM Emissions testing will be conducted to directly evaluate PM compliance. During each required PM test, opacity will be recorded and averaged over the entire PM testing duration. The measured opacity average, plus two and one half percent (minimum five percent) will be set as the opacity limitation at the source. The COMS will collect opacity readings and average those readings over the calendar day. At the end of each day the opacity average will be compared to the opacity limitation. If the limitation is exceeded, an excursion report will be submitted to the State and corrective action taken, documented and reported. If seven consecutive days of exceedance is recorded, another EPA Method 5 PM test will be conducted within 60 calendar days to determine PM emission rates. A new opacity limit will be set if PM compliance is maintained. Black Hills will follow all requirements of 40CFR60 Subpart Da 60.48(o) and related references to maintain PM compliance.

2. Indicator Range

An excursion has been defined as any operating calendar day average opacity, as measured by the COMS, is greater than the baseline opacity value defined during the most recent PM/Opacity testing as defined by 40CFR60.50Da.

BLACK HILLS POWER, INC.
NEIL SIMPSON II POWER PLANT – GILLETTE, WYOMING
COMPLIANCE ASSURANCE MONITORING PLAN

Revised: January 12, 2012

- A higher daily opacity than the given opacity value for each operational scenario above, will trigger an inspection, corrective action, documentation and the submission of an excursion report to the WDEQ.
- A 7-day opacity excursion higher than the given opacity value for operating scenario above will trigger the requirement to re-test PM within 60 calendar days.

3. Performance Criteria

- The opacity is continuously measured by a 40CFR60 Performance Specification 1 COMS.
- **Data Representativeness** - Data is collected every 10 seconds, averaged into 6 minute averages, all valid 6 minute periods are averaged into a daily average that is compared to a limit. The opacity limit is set very close, only 2.5% over, the verified opacity evaluated during compliant PM emissions limit. EPA 40CFR60 Subpart Da accepts the monitoring approach in lieu of a PM CEMS.
- **Verification of Operational Status** - The COMS is a highly regulated monitoring system that is thoroughly internally monitored and alarmed for operational abnormalities. Certified COMS has proven to be an extremely reliable system.
- **QA/QC Practices and Criteria** - QA/QC practices are conducted in accordance with manufactured procedures and regulatory requirements under 40 CFR Part 60 Subpart Da for maintaining a certified COMS. The QA/QC activities include daily (approximately every 24 hours) zero and span checks, status alarms, regulated cleanliness.
- **Monitoring Frequency** - Monitoring information is collected every 10 seconds, except for periods of calibration, maintenance or malfunction. Monitoring is Continuous while the unit is operating.
- **Averaging Period** - 10 second readings are averaged into 6 minute averages which are averaged into calendar day based 24 hour averages for comparison with the daily opacity limit.

MONITORING APPROACH JUSTIFICATION

1. Background

- Recently (facilities beginning construction after 2/28/05), EPA modified 40CFR60 Subpart Da to require coal fired electric utility steam generators to continuously monitor PM emissions. With this new requirement, EPA offered a number of optional provisions to comply with the continuous monitoring requirement. The option to use an existing, certified COMS, has been a popular option for new facilities. With new EPA provisions, the logical next approach for us is to use our existing certified opacity monitor as the surrogate indicator to determine compliance performance of the ESP. Therefore, Black Hills has elected to use this EPA approved approach identified in 40 CFR Part 60, Subpart Da, 60.48Da(o), to establish and routinely check the correlation point between opacity and the PM limit for this source. An extended PM testing method as required in the regulation 40CFR60Da 60.50Da(b)(2)(i), totaling at least 6 hours (3 ea, 2 hour duration EPA Method 5 PM tests) and meeting minimum 60 dscf volumes at required gas temperatures (320±25

BLACK HILLS POWER, INC
NEIL SIMPSON II POWER PLANT – GILLETTE, WYOMING
COMPLIANCE ASSURANCE MONITORING PLAN

Revised: January 12, 2012

°F).. This approach will allow for us to establish a pollution control device indicator value with opacity to determine compliance with the PM limit that is supported by existing regulation.

2. Rationale for Selection of Performance Indicators

- The purpose of creating an opacity indicator value is not to establish a permit limit for PM based upon opacity. The intent is to create an opacity indicator value that indicates PM in the stack has increased to a level that suggests there are problems with performance of the pollution control device (ESP). And the exceedence of this level triggers investigation, corrective action, reporting, and potentially PM testing measures.
- The rationale is very simple. If the pollution control device is not performing as designed, there will be an increase in PM out the stack. When PM increases out the stack, opacity levels will increase as well. A surrogate indicator value correlation can be derived between the COM opacity values and the PM values recorded at test time. From this data, we can develop an opacity indicator range related directly to PM compliance. If this opacity range is exceeded, we may have a PM value approaching or potentially exceeding the limit. We cannot make the leap of faith stating that the PM limit has been exceeded when the opacity indicator value has been exceeded, but we have a highly reputable indicator that emissions have increased. Therefore, we can respond with investigation and corrective action. This PM test method and COM measuring device are distinctly different approaches in methodology and design in determining PM impacts with opacity and in measuring PM levels in a stack.
- Lastly, this rationale is selected since EPA's well defined 40CFR60 Subpart Da supports the alternative of using an opacity monitor in lieu of a PM monitor.

3. Rationale for Selection of Indicator Ranges

- A correlation point is established, and reconfirmed at least annually, between the measured opacity values with the certified COMS and the established PM limit.
- The opacity indicator range is well defined for us through 40CFR60Da. EPA has determined, and therefore provided a PM monitoring provision that certified COMS can provide satisfactory indication of a PM emissions. The indicator range is determined initially, and verified at least annually, by conducting an extended EPA Method 5 PM test. The PM test results are compared to the permit PM limit. If compliant, the opacity values recorded during the minimum 6 hours of PM testing are collected and averaged. The average PM test opacity, plus two and one half percent, is then set as an opacity limit, or indicator range, for the source. If the accumulated opacity plus the two and a half percent is less than five percent, then the opacity limit (indicator range) is set at five percent as a minimum.

TESTING SCHEDULE AND OPERATING PARAMETERS

1. Test Schedule

- A PM/opacity correlation test will be conducted annually as required by the air permit.

BLACK HILLS POWER, INC.
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- A test protocol/ test notification will be provided to the WDEQ prior to each test.
 - Upon completion of each correlation test, the average percent opacity as measured by the COMS during the test will be defined as the opacity indicator value. This value will be entered into the COMS as a monitoring limit, effective midnight of the completed test day. The new opacity indicator value will be communicated to WDEQ District Engineer in the form of an email after the completion of the test.
 - The final test report will include both the opacity and PM data and will be submitted to the agency within 45 days of completing the correlation test.
- 2. Operating Parameters**
- The testing can be conducted with the pollution control devices in an “as is” condition since the purpose of using the COMS is to tightly monitor changes in the opacity and then re-evaluate, if necessary, the PM emissions if opacity emissions increase.
 - The opacity monitor is cleaned (zero dust compensation) and maintained according to the certified COMS requirements.
 - The steam generating unit is operated within 10% of maximum capacity throughout the duration of the PM test, therefore producing maximum PM loading on the pollution control devices. As much as practical the control room operator will operate the steam generator in an unaltered state during the PM testing in order to ensure normal operations are represented.
- 3. Test conditions**
- All requirements of 40CFR60 Subpart Da 60.48 (o) and other applicable regulatory references will be strictly followed unless otherwise approved by the agency. Any deviation will be identified in the final test report.

RECORDKEEPING AND REPORTING

1. Recordkeeping

- Black Hills Power, Inc. currently provides a quarterly report to WDEQ on the COMS. This document contains QA/QC measures, monitor downtime, and excess emissions (40% opacity limit). The report is sent to the State and is maintained in our filing system. Black Hills submits excursion reports to WDEQ. These reports are filed in our recordkeeping system. Annual Compliance and Semi-Annual Operating and Maintenance reports containing CAM information are filed in this system as well.
- Records will be retained for 5 years as identified in regulation.

2. Reporting

- Compliance Certification – Black Hills Power, Inc. submits a section on CAM compliance certification in the Annual Compliance Certification submitted to the State as well as providing a review of excursions and QIPs in the semi-annual maintenance and monitoring report.

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- Excursions – Black Hills Power, Inc. will notify WDEQ by email within 72 hours of an excursion. An example of the email report format and content is attached hereto for reference (see the following page). The notification will identify the date of the excursion, the opacity daily average, the number of sequential days of excursions, the problem causing the excursions (if known at submission of notice), and corrective action taken to correct the excursion (if known at the time of submission). If the cause and corrective action of the excursion is unknown at the time of submission, Black Hills Power, Inc. will follow-up with an email report once the problem was identified and corrected. If additional PM testing is required according the plan above, as referenced in 40CFR60 Subpart Da 60.48Da(o), the State will be notified of PM testing and provided a follow-up PM compliance report within the standard 30 and 45 day timeframes, respectively.

Example of an CAM Excursion email notification

This section of the email notification is completed by the corporate environmental service department. It provides additional incident details as needed.

Please confirm receipt of this email notification for our records.

Corporate Environmental Services Contact information

Report ID:

142 (This is a unique automated BHC internal tracking number assigned by our software.)

Modified Date:

01/02/2011 8:00:00 AM

Modified By:

Name (This section is the name of the person who may have made changes/updates to this report before it was submitted)

Plant Name:

Source Name

Type of Incident:

CAM

Reported at:

10/31/2011 1:26:59 PM (This section is the date the operation first created this report in the BHC incident reporting system)

Unit Operator:

Operator Name (This section is the name of the control room operator that reported the excursion)

Incident Start Date:

10/31/2011 (This section is the effective date of the excursion)

Incident Start Time:

9:00:00 AM (This section is the effective time of the excursion)

Incident End Date:

10/31/2011 (This section is the end date of the excursion)

Incident End Time:

4:00 PM (This section is the end time of the excursion)

Source:

(This section is a description for the source and it is typically quoted from the air permit)

Incident Explanation:

(This section is an explanation of the excursion as identified by the person reporting the incident)

Corrective Action:

(This section is summary of the corrective actions taken in response to the reported incident)

Preventive Steps:

(This section is summary of recommend preventive measures as defined by the person reporting the incident)

BLACK HILLS CORPORATION
NEIL SIMPSON II POWER PLANT – GILLETTE, WYOMING
COMPLIANCE ASSURANCE MONITORING PLAN – Revised 5-8-2013

I. Background

A. Emissions Unit

Description: All Process Handling Systems
 Permit: Chapter 6, Section 3 30-158-1
 Identification: 002 Coal Storage Silo (top) - baghouse
 003 Boiler Building - baghouse
 004 Coal Storage Silo (bottom) - PECS
 005 Flyash Building (top) - baghouse
 006 Flyash Bin Vent - baghouse
 007 Lime Storage Silo – baghouse
 016 Mercury Sorbent Silo - baghouse
 Facility: BHC – Neil Simpson II
 Gillette, Wyoming

B. Applicable Regulation, Emissions Limit, and Monitoring Requirements

Regulation:

PM Limit: WAQSR Chapter 6, Section 2, PSD BACT CT-1028 (002-007)
 PM Limit: WAQSR Chapter 6, Section 2, MD-10901 (source 016)

Emission Limits:

PM: 0.01 gr/acf for sources (002-007)
 0.005 gr/acf for source (016)

Monitoring Requirements: Daily Visual Emission Observations. If emissions occur, an inspection of the unit is required to perform maintenance.

C. Control Technology Baghouse dust collector

II. Monitoring Approach

1. Monitoring Approach	Visual Emission Observation of an emissions from stack.
2. Indicator Range	An excursion is defined when emissions can be observed out of the stack of the baghouse stack. Excursions trigger an inspection, corrective action, and a reporting requirement.
3. Performance Criteria	
a. Data Representativeness	Human subjectivity
b. Verification of Operational Status	NA – emissions are either observed or not observed.
c. QA/QC Practices and Criteria	Training for staff on visual emission observations
d. Monitoring Frequency	One observation per day and the observation will occur for 80 seconds.
Data Collection Procedure	The observation on whether emissions are present or not present will be taken and recorded .
Averaging Period	NA – emissions are either observed or not observed for 2 minutes.

MONITORING APPROACH JUSTIFICATION

I. Background

The pollutant-specific emission units are controlled by a baghouse dust collector controlling emissions from each specific process handling system. The design capacity for each unit is listed in the permit application.

II. Rationale for Selection of Performance Indicators

The estimated potential controlled emissions for these units are listed in the application. The low emission rates from these units would result in zero opacity or no emissions under normal operating conditions with no baghouse failures. If emissions are observed, it is assumed that there is a mechanical problem with the baghouse or there are blow bags in the baghouse. The observations of emissions from the stack off the baghouse are the performance indicator that this unit is not performing as designed. The observation will be taken for 80 seconds each day on each unit. This timeframe is based upon the amount of time it takes for the largest process handling baghouse unit to complete a full cleaning cycle. If emissions are observed, an inspection and maintenance will occur. The excursion will be documented and reported to WDEQ within 72 hours of occurrence. The reporting form is identified in Appendix A.

III. Rationale for Selection of Indicator Ranges

There are no indicator ranges. The indicator will be no emissions or emissions.

IV. Recordkeeping and Reporting

A. Recordkeeping – Records will be retained for 5 years as identified in regulation. A hardcopy of the observations will be retained at Neil Simpson I.

B. Reporting

Compliance Certification – Black Hills Corporation proposes to submit a section on CAM compliance certification in the annual and semi-annual that is already submitted to WDEQ for Osage.

Excursions – Black Hills Corporation will notify WDEQ via (Fax or email) within 72 hours of an excursion with the form in Appendix A. The notification will identify the extent of the excursion, the problem causing the excursions (if known at submission), and corrective action taken to correct the excursion (if known at the time of submission). If the cause and corrective action of the excursion is unknown at the time of submission, a follow-up written response will be provided.

Appendix A

Compliance Assurance Monitoring - Excursion Report

Date:

Company:	Black Hills Corporation
Facility:	Neil Simpson II Power Plant
Location:	Gillette, Wyoming
Control Unit	

Excursion Duration:	Identified	Fixed
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Cause of Excursion:

Correction Action:

If an excursion occurs, call District Engineer, at (307) 672-6457 to report the excursion. After the call, you will need to send the report to the address listed below or by faxing the report to the number below:

WDEQ District Office:
Tanner Shatto, District Three Engineer
1866 S. Sheridan Ave.
Sheridan, Wyoming 82801

Sheridan District Office Fax:
(307) 673-9337.

Alternative Contact:
If no one can be reached at the Sheridan District Office, please call the following number at the WDEQ Office in Cheyenne (307) 777-7391 and ask for someone in the Part 70 Permitting Program (Fax number 307-777-5616 – if the report needs to be sent here).

APPENDIX B through E
RESERVED
(modified October 29, 2013)

APPENDIX F
Acid Rain Permit Applications



Phase II Permit Application

Page 1

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is: New Revised

STEP 1
Identify the source by plant name, State, and ORIS code from NADB

Plant Name	Neil Simpson II	State	WY	ORIS Code	7504
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STEP 2
Enter the boiler ID# from NADB for each affected unit, and indicate whether a repowering plan is being submitted for the unit by entering "yes" or "no" at column c. For new units, enter the requested information in columns d and e

a Boiler ID#	Compliance Plan			
	b Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	c Repowering Plan	d New Units Commence Operation Date	e New Units Monitor Certification Deadline
001	Yes	NO	8-28-95	9-11-95
	Yes			

STEP 3
Check the box if the response in column c of Step 2 is "Yes" for any unit

For each unit that will be repowered, the Repowering Extension Plan form is included and the Repowering Technology Petition form has been submitted or will be submitted by June 1, 1997.

Plant Name (from Step 1) **Neil Simpson II**

STEP 4
Read the standard requirements and certification, enter the name of the designated representative, and sign and date

Standard RequirementsPermit Requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
- (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
- (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR parts 74, 75, and 76.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR parts 74 and 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
- (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
- (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1)(i) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
- (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source 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 the Administrator or permitting authority:
- (i) The certificate of representation for the designated representative for the source and each affected unit at the source 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 at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

Plant Name (from Step 1) Neil Simpson II

Recordkeeping and Reporting Requirements (cont.)

(iv) 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.

(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) 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 a written exemption under 40 CFR 72.7 or 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 Act.

(2) 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 Act and 18 U.S.C. 1001.

(3) 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.

(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

(5) 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 owners and operators of such source and of the affected units at the source.

(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NOx averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;

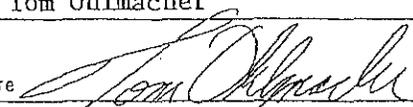
(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	Tom Ohlmacher	Vice President, Power Supply
Signature		Date 12/18/95

STEP 5 (optional)
Enter the source AIRS
and FINDS identification
numbers, if known

AIRS
FINDS

03-08-2004 310158

THE STATE OF TEXAS, COUNTY OF DALLAS, ss. I, the undersigned, a Notary Public in and for the State of Texas, do hereby certify that the within and foregoing is a true and correct copy of the original of the same as the same appears from the records of the County of Dallas, State of Texas.

Given under my hand and seal of office, at Dallas, Texas, this 1st day of January, 1901.

Notary Public in and for the State of Texas.

My commission expires the 1st day of January, 1902.

Witness my hand and seal of office, at Dallas, Texas, this 1st day of January, 1901.

Notary Public in and for the State of Texas.

My commission expires the 1st day of January, 1902.

Witness my hand and seal of office, at Dallas, Texas, this 1st day of January, 1901.

Notary Public in and for the State of Texas.

My commission expires the 1st day of January, 1902.

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My commission expires the 1st day of January, 1902.

Witness my hand and seal of office, at Dallas, Texas, this 1st day of January, 1901.

Notary Public in and for the State of Texas.

My commission expires the 1st day of January, 1902.

Witness my hand and seal of office, at Dallas, Texas, this 1st day of January, 1901.

Notary Public in and for the State of Texas.



Phase II Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is: New Revised

STEP 1
Identify the source by plant name, State, and ORIS code from NADB

Plant Name	Neil Simpson II, Turbine Addition	Combustion	750
State	WY	ORIS Code	

STEP 2
Enter the boiler ID# from NADB for each affected unit, and indicate whether a repowering plan is being submitted for the unit by entering "yes" or "no" at column c. For new units, enter the requested information in columns d and e

a	b	c	d	e
CT I	Yes		7-1-00	9-29-00
CT II	Yes		7-1-02	9-29-02
	Yes			

STEP 3
Check the box if the response in column c of Step 2 is "Yes" for any unit

For each unit that will be repowered, the Repowering Extension Plan form is included and the Repowering Technology Petition form has been submitted or will be submitted by June 1, 1997.

CombustionPlant Name (from Step 1) **Neil Simpson II, Turbine Addition**

STEP 4
Read the standard requirements and certification, enter the name of the designated representative, and sign and date

Standard RequirementsPermit Requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR parts 74, 75, and 76.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR parts 74 and 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1)(i) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements

- (1) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source 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 the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source 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 at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

Combustion

Plant Name (from Step 1) **Neil Simpson II, Turbine Addition**

Recordkeeping and Reporting Requirements (cont.)

- (iv) 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.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) 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 a written exemption under 40 CFR 72.7 or 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 Act.
- (2) 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 Act and 18 U.S.C. 1001.
- (3) 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.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) 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 owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold, provided that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	<i>Tom Ohlmecher</i>	
Signature	<i>Tom Ohlmecher</i>	Date <i>9/17/99</i>

STEP 5 (optional)
Enter the source AIRS
and FINDS identification
numbers, if known

AIRS
FINDS

INTERNAL SECURITY - RACIAL MATTERS

On 10/15/68, [redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

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[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

[redacted] advised that [redacted] had been observed at [redacted] on 10/12/68.

APPENDIX G
RESERVED
(modified October 29, 2013)

