

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. 3-3-072

Issue Date: **June 23, 2015**
Expiration Date: **June 23, 2020**
Effective Date: **June 23, 2015**
Replaces Permit No.: **3-2-072-1**

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,

Colorado Interstate Gas Company L.L.C.
Rawlins NGL Plant and Compressor Station
Section 25, Township 21 North, Range 86 West
Carbon 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

Steven A. Dietrich, Administrator
Air Quality Division

6-23-15

Date

Todd Parfitt

Todd Parfitt, Director
Department of Environmental Quality

6/29/15

Date

WAQSR CHAPTER 6, SECTION 3 OPERATING PERMIT

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY DIVISION

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SOURCE EMISSION POINTS

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

SOURCE ID#	SOURCE DESCRIPTION	SIZE	CH. 6, SEC. 2 PERMITS
CG-1	Dresser Clark TLAS-6 Engine ¹	1500 hp	CT-1287A
CG-2	Dresser Clark TLAS-6 Engine ¹	1500 hp	CT-1287A
CG-3	Dresser Clark TLAS-6 Engine ¹	1500 hp	CT-1287A
CG-4	Dresser Clark TLA-6 Engine ¹	2000 hp	CT-1287A
CG-5	Dresser Clark TLA-6 Engine ¹	2000 hp	CT-1287A
11-1A	White Superior 8GT-825 Reciprocating Engine ²	900 hp	CT-1287A
11-1B	White Superior 8GT-825 Reciprocating Engine ²	900 hp	CT-1287A
11-1C	White Superior 8GT-825 Reciprocating Engine ²	900 hp	CT-1287A
11-1D	White Superior 8GT-825 Reciprocating Engine ²	1000 hp	CT-1287A
CG-7101	Allison 501KC-5 Gas Turbine	4376 hp	CT-1287A
CG-7201	Allison 501KC-5 Gas Turbine	4376 hp	CT-1287A
JCG-7101	White Superior 2406G Compressor Engine ³	1176 hp	CT-1287A
JCG-7201	White Superior 2406G Compressor Engine ³	1176 hp	CT-1287A
EG-1	Caterpillar Emergency Generator ³	425 hp	Waiver AP-5792
21.1	Cummins Emergency Generator ⁴	224 hp	Waiver AP-1431
EG-6101	Waukesha H24G Emergency Generator Engine ⁵	529 hp	CT-1287A
28-17	Firewater Pump Engine ³	124 hp	9/7/2001 Waiver
20-1	EconoTherm Process Furnace	35 MMBtu/hr	None
H-1	Heatec Process Furnace	15.3 MMBtu/hr	Waiver AP-2798
SB-3	Parker Heating Boiler	5.0 MMBtu/hr	Waiver AP-2112
25-10	Glycol Regenerator	232 MMSCFD	None
X-27A	Process Flare	52.9 MMBtu/hr	None
X-33	Refuse Incinerator	13 TPY	None
H-4	Byron Boiler	1.4 MMBtu/hr	None
H-6204	Comfort Heater	2.5 MMBtu/hr	None
20-2	Sivalls Salt Bath Heater	1.7 MMBtu/hr	None

Source description names are from the operating permit application.

¹ Engine is 2-stroke, lean burn.

² Engine is 4-stroke, lean burn equipped with oxidation catalyst.

³ Engine is 4-stroke, lean burn.

⁴ Engine is 4-stroke, rich burn equipped with NSCR/AFRC.

⁵ Engine is 4-stroke, rich burn.

TOTAL FACILITY ESTIMATED EMISSIONS

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

POLLUTANT	EMISSIONS (TPY)
CRITERIA POLLUTANT EMISSIONS	
Particulate Matter	20
PM ₁₀ Particulate Matter	20
PM _{2.5} Particulate Matter	20
Sulfur Dioxide (SO ₂)	2
Nitrogen Oxides (NO _x)	1358
Carbon Monoxide (CO)	408
Volatile Organic Compounds (VOCs)	198
HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS	42
GREENHOUSE GAS EMISSIONS (CO₂e)	159,015

Emission estimates are from the operating permit application. The highest single HAP is formaldehyde at 25.7 TPY.

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 requirements applicable on the date of permit issuance.

Source-Specific Permit Conditions

- (F2) VISIBLE EMISSIONS [WAQSR Ch 3, Sec 2(a); Ch 3, Sec 2(i); Ch 3, Sec 6(b)(i) and 40 CFR 63.11(b)]
- (a) The process flare (unit X-27A) shall be operated and maintained to be smokeless, with no visible emissions except for periods not to exceed a total of five minutes during any two consecutive hours as determined by 40 CFR 60, Appendix A, Method 22. The process flare (unit X-27A) shall be operated with a flame present at all times.
 - (b) Visible emissions from the refuse incinerator (unit X-33) shall be limited to a shade or density equal to but not greater than 20 percent opacity.
 - (c) Visible emissions from the Dresser Clark TLAS-6 engines (units CG-1, CG-2, and CG-3), three of the White Superior 8GT-825 engines (units 11-1A, 11-1B and 11-1C), and the EconoTherm process furnace (unit 20-1) shall not exhibit greater than 40 percent opacity.
 - (d) 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.
- (F3) ENGINE AND TURBINE EMISSION AND OPERATIONAL LIMITATIONS
[WAQSR Ch 6, Sec 2 Permit/Waivers September 7, 2001, AP-1431, CT-1287A, and AP-5792]
- (a) NO_x and CO emissions shall not exceed the limits specified for each unit listed in Table I.

Table I: NO_x and CO Emission Limits							
SOURCE ID	Engine Description	NO _x			CO		
		g/hp-hr	lb/hr	TPY	g/hp-hr	lb/hr	TPY
CG-1	Dresser Clark TLAS-6 Engine	14.5	48.0	210			
CG-2	Dresser Clark TLAS-6 Engine	14.5	48.0	210			
CG-3	Dresser Clark TLAS-6 Engine	14.5	48.0	210			
CG-4	Dresser Clark TLA-6 Engine	14.5	63.9	280			
CG-5	Dresser Clark TLA-6 Engine	2.4	10.6	46.31	3.0	13.23	59.62
11-1A	White Superior 8GT-825 Reciprocating Engine	2.0	3.97	17.36	0.5	0.99	4.34
11-1B	White Superior 8GT-825 Reciprocating Engine	2.0	3.97	17.36	0.5	0.99	4.34
11-1C	White Superior 8GT-825 Reciprocating Engine	2.0	3.97	17.36	0.5	0.99	4.34
11-1D	White Superior 8GT-825 Reciprocating Engine	2.0	4.41	19.30	0.5	1.1	4.82
CG-7101 ¹	Allison 501KC-5 Gas Turbine	2.77	26.7	117.0	0.32	3.10	13.6
CG-7201 ¹	Allison 501KC-5 Gas Turbine	2.77	26.7	117.0	0.32	3.10	13.6
JCG-7101	White Superior 2406G Compressor Engine	0.9	2.38	10.43	2.8	7.41	32.4
JCG-7201	White Superior 2406G Compressor Engine	0.9	2.38	10.43	2.8	7.41	32.4
EG-1	Caterpillar Emergency Generator	1.0	0.9	0.2	1.6	1.5	0.4
EG-6101	Waukesha H24G Emergency Generator Engine	2.6	3.03		1.75	2.04	
21.1	Cummins Emergency Generator	0.8			0.5		

¹ The turbines are also limited to 169 ppm NO_x @15% O₂

- (b) As applicable, compliance with the g/hp-hr limits is considered compliance with the lb/hr and TPY limits as long as each engine is operated at or below its site-rated capacity and does not exceed any applicable operating hours limit specified in paragraph (d) of this condition.

- (c) The permittee shall operate and maintain a non-resettable hours meter on the Caterpillar emergency generator (unit EG-1) to record the hours of operation of the generator.
 - (d) The Caterpillar emergency generator (unit EG-1), the Cummins emergency generator (unit 21.1), the Waukesha H24G emergency generator engine (unit EG-6101), and the Firewater Pump Engine (unit 28-17) shall not exceed 500 hours of operation per calendar year.
 - (e) The permittee shall maintain the NSCR/AFRC on the Cummins emergency generator (unit 21.1) and the Caterpillar emergency generator (unit EG-1) in accordance with the manufacturer's or supplier's recommendations.
- (F4) FUEL BURNING EQUIPMENT [WAQSR Ch 3, Sec 3]
- (a) NO_x emissions from the Heatec process furnace (unit H-1), the Byron boiler (unit H-4), the Parker heating boiler (unit SB-3), the comfort heater (unit H-6204), and the Sivalls salt bath heater (unit 20-2) shall not exceed 0.20 lb/MMBtu heat input.
 - (b) NO_x emissions from the EconoTherm process furnace (unit 20-1) shall not exceed 0.23 lb/MMBtu heat input.
- (F5) REFUSE INCINERATOR [WAQSR Ch 3, Sec 2(i)]
The emission of particulate matter from the refuse incinerator (unit X-33) shall not exceed 0.20 pounds per 100 pounds of refuse charged.
- (F6) ENGINE AND TURBINE REPLACEMENT [WAQSR Ch 6, Sec 2; Ch 6, Sec 3(h)(i)(I)]
- (a) Permanent replacement of an engine or turbine must be evaluated by the Division under WAQSR Ch 6, Sec 2 prior to such replacement to determine the appropriate permitting action and evaluate the need for additional requirements resulting from the permanent replacement.
 - (b) Should an engine or turbine break down or require an overhaul, the permittee may bring on site and operate a temporary replacement engine or turbine until repairs are made. The temporary replacement unit shall be identical or similar to the unit replaced, with emission levels at or below those of the unit replaced. The permittee shall notify the Division in writing of such temporary replacement within five working days and include the following:
 - (i) The startup date of the temporary replacement unit; and
 - (ii) A statement regarding the applicability of any New Source Performance Standards (NSPS) in 40 CFR Part 60; any National Emission Standards for Hazardous Air Pollutants (NESHAPs) in 40 CFR Part 63; and Compliance Assurance Monitoring (CAM) in WAQSR Ch 7, Sec 3 for the temporary replacement unit.

Testing and Monitoring Requirements

- (F7) EMISSIONS TESTING [W.S. 35-11-110 and 40 CFR 60 Subpart GG]
- (a) The Division reserves the right to require additional testing as provided under condition G1 of this permit. The Division shall specify the necessary test method(s) and procedure(s) prior to the test, which may include the following test methods found at 40 CFR 60, Appendix A:
 - (i) For visible emissions from the process flare (unit X-27A), Method 22.
 - (ii) For other visible emissions, Method 9.
 - (iii) For NO_x and SO₂ emissions on a ppm basis from turbines subject to the requirements of 40 CFR 60 Subpart GG, follow the requirements of Subpart P60-GG1 and P60-GG2; and for emissions on a lb/hr basis, follow Methods 1-4, 6C and 7E.
 - (iv) For other NO_x emission sources, Methods 1-4 and 7 or 7E.
 - (v) For CO emission sources, Methods 1-4 and 10.
 - (vi) 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).
- (F8) VISIBLE EMISSIONS MONITORING [WAQSR Ch 6, Sec 3(h)(i)(C)(I) and 40 CFR 63.11(b)]
- (a) For visible emissions from the engines listed in Table I, the firewater pump engine (unit 28-17), the Heatec process furnace (unit H-1), the Byron boiler (unit H-4), the Parker heating boiler (unit SB-3), the comfort heater (unit H-6204), the Sivalls salt bath heater (unit 20-2), and the EconoTherm process

furnace (unit 20-1), the permittee shall monitor the type of fuel used to ensure natural gas is the sole fuel source for these units.

- (b) (i) The permittee shall monitor the date, time and duration when the process flare (unit X27-A) exhibits visible emissions for more than 5 minutes.
- (ii) The presence of a pilot flame on the process flare (unit X27-A) shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

(F9) ENGINE AND TURBINE MONITORING [WAQSR Ch 6, Sec 3(h)(i)(C)(I); Ch 6, Sec 2 Permit/Waivers CT-1287A, AP-1431, AP-5792, and September 7, 2001]

- (a) The permittee shall measure NO_x and CO emissions from the engines at the facility as follows:
 - (i) The permittee shall measure NO_x emissions at least once every calendar quarter from the Dresser Clark TLAS-6 and TLA engines (units CG-1, CG-2, CG-3, and CG-4) for comparison with the emission limits specified in Table I of condition F3.
 - (ii) The permittee shall measure NO_x from the Allison 501 KC-5 Gas turbines (units CG-7101 and CG-7201) at least once every calendar quarter for comparison with the emission limits specified in Table I of condition F3 and P60-GG1. CO emissions from the Allison 501 KC-5 gas turbines (units CG-7101 and CG-7201) shall be measured at least once every five years.
 - (iii) The permittee shall measure NO_x and CO from the White Superior 8GT-825 reciprocating engines (units 11-1A, 11-1B, 11-1C, and 11-1D) and the Dresser Clark TLA-6 engine (unit CG-5) semiannually for comparison with the limits specified in Table I of condition F3.
 - (iv) The permittee shall measure NO_x and CO at least once every two years from the White Superior 2406G compressor engines (units JCG-7101 and JCG-7201) for comparison with the limits specified in Table I of condition F3. If emission results from biennial performance tests are less than or equal to 75 percent of the emission limits for the White Superior 2406G compressor engines (units JCG-7101 and JCG-7201), the frequency of subsequent performance tests may be reduced to once every four years. If the results of any subsequent performance test exceed 75 percent of the emission limit, biennial testing shall resume.
 - (v) The permittee shall measure NO_x and CO emissions from the Cummins emergency generator (unit 21.1) and the Caterpillar emergency generator (unit EG-1) at least once every two years for comparison with the limits specified in Table I of condition F3.
 - (vi) The permittee shall measure NO_x and CO emission from the Waukesha H24G emergency generator engine (unit EG-6101) at least once every five years for comparison with the limits specified in Table I of condition F3.
 - (vii) The permittee shall measure NO_x and CO emissions from each engine using the Division's portable analyzer monitoring protocol, or the EPA reference methods described in condition F7. The monitoring protocol is available from the Division upon request or can be downloaded at <http://deq.wyoming.gov/aqd/title-v/>.
 - (viii) Prior test notification shall be submitted to the Division as specified in condition F13, and test results shall be submitted to the Division as specified in condition F14.
- (b) The permittee shall monitor the operating hours of the Caterpillar emergency generator (unit EG-1), the Cummins emergency generator (unit 21.1), the Waukesha H24G emergency generator engine (unit EG-6101) and the Firewater pump engine (unit 28-17) on a monthly basis to assess compliance with the annual limit specified in condition F3(d).

(F10) FUEL BURNING EQUIPMENT MONITORING [WAQSR Ch 6, Sec 3(h)(i)(C)(I)]

- (a) The permittee shall measure NO_x emissions at least once every calendar year from the EconoTherm Process Furnace (unit 20-1) for comparison with the emission limits specified in F4(b) of this permit.
- (b) The permittee shall measure NO_x emissions at least once every two calendar years from the Heatec Process Furnace (unit H-1) for comparison with the emission limits specified in F4(a) of this permit. If emission results from biennial performance tests are less than or equal to 75 percent of the emission limit for the Heatec Process Furnace (unit H-1), the frequency of subsequent performance tests may be reduced to once every four years. If the results of any subsequent performance test exceed 75 percent of the emission limit, biennial testing shall resume.
- (c) The permittee shall measure NO_x emissions from each heater using the Division's portable analyzer monitoring protocol, or the EPA reference methods described in condition F7. The monitoring protocol can be downloaded at <http://deq.wyoming.gov/aqd/title-v/> or is available from the Division upon request.

- (d) Prior test notification shall be submitted to the Division as specified in condition F13, and test results shall be submitted in accordance with condition F14.

Recordkeeping Requirements

(F11) TESTING AND MONITORING RECORDS

[WAQSR Ch 6, Sec 3(h)(i)(C)(II); Ch 6, Sec 2 Waivers AP-1431 and AP-5792]

- (a) For any testing or monitoring performed under conditions F7, F9, and F10, other than Method 9 or Method 22 observations, the permittee shall record, as applicable, the following:
 - (i) The date, place, and time of sampling, measurements, or observations;
 - (ii) The date(s) analyses were performed;
 - (iii) The company or entity that performed the analyses or observations;
 - (iv) The analytical techniques or methods used;
 - (v) The results of such analyses or observations; and
 - (vi) The operating conditions and parameters as they existed at the time of testing, monitoring, or observation.
- (c) For any Method 9 observations required by the Division under condition F7, the permittee shall keep field records in accordance with Section 2.2 of Method 9.
- (d) The permittee shall record the date, time and duration when the process flare (unit X-27A) exhibits visible emissions for more than 5 minutes.
- (e) The permittee shall record the date, time and duration when a pilot flame is absent on the process flare (unit X-27A).
- (f) The permittee shall record the operating hours of each unit listed in condition F9(b).
- (g) The permittee shall retain these records on-site at the facility, for a period of at least five years from the date the records are generated.

(F12) MAINTENANCE RECORDS [WAQSR Ch 6, Sec 3(h)(i)(C)(II); Ch 6, Sec 2 Waivers AP-1431 and AP-5792]

- (a) The permittee shall maintain records of maintenance activities for the Caterpillar emergency generator (unit EG-1) and the Cummins emergency generator (unit 21.1), which shall include:
 - (i) The maintenance activity performed;
 - (ii) The date and place the activity was performed;
 - (iii) The company and individual(s) that performed the activity;
 - (iv) The purpose of the activity; and
 - (v) An explanation for any deviation from the manufacturer's or supplier's recommendations.
- (b) The permittee shall retain these records on-site at the facility, for a period of at least five years from the date the records are generated.

Reporting Requirements

(F13) NOTIFICATION OF TESTING AND SHUTDOWN [WAQSR Ch 6, Sec 3(h)(i)(C)(III)]

- (a)
 - (i) Notification of the test date for the monitoring required by conditions F9(a) and F10 shall be provided to the Division at least 15 days prior to testing for the Dresser-Clark TLA-6 engine (unit CG-5), the White Superior 8GT-825 reciprocating engines (units 11-1A, 11-1B, 11-1C, and 11-D), the White Superior 2406G compressor engines (units JCG-7101 and JCG-7201), the Cummins emergency generator (unit 21.1), the Caterpillar emergency generator (unit EG-1), the EconoTherm Process Furnace (unit 20-1), the Heatec Process Furnace (unit H-1), and for CO monitoring of the Allison 501 KC-5 Gas turbines (units CG-7101 and CG-7201).
 - (ii) The notification may be provided electronically through the Division's IMPACT system (<https://airimpact.wyo.gov>), or in writing to the DEQ Air Quality Contact listed on page 3 of this permit.
 - (iii) Prior notification of the test date is not required for engines and turbines with quarterly monitoring (units CG-1, CG-2, CG-3, CG-4 and NO_x emissions for units CG-7101 and CG-7201).
- (b) Upon shutdown and removal of an engine from the facility, written notification is required within 15 days of removal. Such notification shall be submitted on a complete Engine Installation/Removal form. The form can be obtained from the Air Quality Division or can be downloaded from the Air Quality Division website <http://deq.wyoming.gov/aqd/new-source-review/>. The notification shall be submitted either

through the Division's IMPACT system (<https://airimpact.wyo.gov>), or in writing to the address listed in condition G4(a)(ii).

- (F14) TEST REPORTS [WAQSR Ch 6, Sec 3(h)(i)(C)(III); Ch 6 Sec 2 Waivers AP-1431 and AP-5792]
- (a) The permittee shall report the results of any emissions tests performed under conditions F7, F9(a) and F10, within 30 days of completing the tests. The reports shall include the information indicated in condition F11(a).
 - (b) The reports shall reference this permit condition (F14), and be submitted to the Division in accordance with condition G4.
- (F15) MONITORING REPORTS [WAQSR Ch 6, Sec 3(h)(i)(C)(III)]
- (a) The following shall be reported to the Division for each semiannual reporting period from January 1 through June 30, and from July 1 through December 31, within 31 days of the end of each period (by July 31 and January 31, respectively, each year):
 - (i) A statement verifying that the emissions units listed in condition F8(a) fired only natural gas during the reporting period.
 - (ii) Summary results of the process flare (unit X-27A) monitoring required by condition F8(b):
 - (A) Only monitoring during which excess visible emissions are observed from the flare and any corrective actions taken shall be included in the report. If no excess visible emissions are observed or a flame was continuously present during the reporting period, this shall be stated in the report.
 - (B) Times when the absence of a pilot flame was detected and the corrective actions taken shall be included in the report. If the flame was continuously present, this shall be stated in the report.
 - (iii) The calendar year-to-date operating hours for the Caterpillar emergency generator (unit EG-1), Cummins emergency generator (unit 21.1), the Waukesha H24G emergency generator engine (unit EG-6101), and the Firewater pump engine (unit 28-17).
 - (b) All instances of deviations from the conditions of this permit must be clearly identified in each report.
 - (c) The reports shall reference this permit condition (F15), and be submitted to the Division in accordance with condition G4.
- (F16) GREENHOUSE GAS REPORTS [W.S. 35-11-110]
- 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) of this permit, to the attention of the Division's Emission Inventory Program.
- (F17) 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.

Accidental Release Prevention Requirements

(F18) ACCIDENTAL RELEASE PREVENTION REQUIREMENTS [40 CFR Part 68]

- (a) The permittee shall meet all requirements of 40 CFR Part 68 as they apply to the facility.
- (b) The permittee shall submit, as part of the annual compliance certification submitted under condition C1 of this permit, a certification statement concerning the facility's compliance with all requirements of 40 CFR Part 68, including the registration and submission of a Risk Management Plan.

**WAQSR CHAPTER 5, SECTION 2 NEW SOURCE PERFORMANCE STANDARDS (NSPS) AND
40 CFR 60 SUBPART GG REQUIREMENTS FOR STATIONARY TURBINES**

- (P60-GG1) SUBPART GG REQUIREMENTS [40 CFR 60 Subpart GG; Ch 5 Sec 2]
The permittee shall meet all requirements of 40 CFR 60 Subpart GG and WAQSR Ch 5 Sec 2, as they apply to the Allison 501KC-5 turbine engines (units CG-7101 and CG-7201).
- (a) The NO_x exhaust gas concentration from each turbine engine shall not exceed 169 ppmv at 15 percent oxygen on a dry basis.
 - (b) For SO₂ the permittee shall comply with one of the following:
 - (i) The SO₂ exhaust gas concentration from each turbine engine shall not exceed 0.015 percent by volume at 15 percent oxygen on a dry basis.
 - (ii) The permittee shall not burn in each turbine engine any fuel which contains sulfur in excess of 0.8 percent by weight.
- (P60-GG2) MONITORING FUEL SULFUR AND NITROGEN CONTENT
[WAQSR Ch 5, Sec 2; 40 CFR 60 Subpart GG; and WAQSR Ch 6, Sec 2 Permit CT-1287A]
- (a) The permittee shall demonstrate that the fuel combusted in the Allison 501KC-5 turbine engines (units CG-7101 and CG-7201) meets the definition of natural gas in §60.331(u). The permittee shall use one of the sources of information 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 engine.
- (P60-GG3) RECORDKEEPING
[WAQSR Ch 5, Sec 2(g)(ii) and (g)(v), Ch 6 Sec 3(h)(i)(C)(II) and Ch 6, Sec 2 Permit CT-1287A]
- (a) The permittee shall keep records demonstrating that the fuel used in the turbines (units CG-7101 and CG-7201) 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 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) SUBPART GG REPORTS
[WAQSR Ch 5, Sec 2(g)(ii) and (g)(v), Ch 6 Sec 3(h)(i)(C)(II) and Ch 6, Sec 2 Permit CT-1287A]
The permittee shall submit written documentation of any change in the information used in the demonstration required by condition P60-GG3 of this permit related to the fuel fired by the turbine engines, within 45 days of such change. The report shall be submitted in accordance with condition G4 of this permit.
- (P60-GG5) GOOD AIR POLLUTION CONTROL PRACTICE [WAQSR Ch 5, Sec 2 (i)(iv)]
At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the turbine engines in a manner consistent with good air pollution control practice for minimizing emissions.

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

**WAQSR CHAPTER 5, SECTION 2 NEW SOURCE PERFORMANCE STANDARDS (NSPS) AND
40 CFR 60 SUBPART JJJJ REQUIREMENTS FOR STATIONARY SPARK IGNITION INTERNAL
COMBUSTION ENGINES**

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

As applicable, the permittee shall meet all requirements of 40 CFR 60 Subparts A and JJJJ and WAQSR Ch 5, Sec 2, as they apply to affected stationary spark ignition (SI) internal combustion engines (ICE). (As required by condition F6(b), if an engine is replaced or reconstructed, subpart applicability will need to be reevaluated and a statement regarding applicability submitted to the Division.) For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator. An affected source is defined at §60.4230.

On February 13, 2015, no engines were subject to Subpart JJJJ according to information submitted to the Division by the permittee.

The 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 HH REQUIREMENTS FOR OIL AND NATURAL GAS PRODUCTION FACILITIES

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

The permittee shall meet all requirements of 40 CFR 63, Subparts A and HH and WAQSR Ch 5, Sec 3, as they apply to affected sources as defined in §63.760, located at oil and natural gas production facilities. For major sources, the affected source includes the equipment described in §63.760(b)(1), including the glycol dehydration unit (unit 25-10), the process flare (unit X-27A), the ancillary equipment, and each cover, closed vent system, and control device installed and operated to comply with Subpart HH.

WAQSR CHAPTER 5, SECTION 3 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS) AND 40 CFR PART 63 SUBPART YYYYY REQUIREMENTS FOR STATIONARY COMBUSTION TURBINES

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

The permittee shall meet all applicable requirements of 40 CFR Part 63 Subparts A and YYYYY and WAQSR Ch 5, Sec 3 as they apply to any existing, new, or reconstructed stationary combustion turbine located at a major source of HAP emissions as described in §63.6090. As stated in §63.6090(b)(4), existing stationary combustion turbines, including the Allison turbine engines (units CG-7101 and CG-7201), do not have to meet the requirements of Subpart YYYYY and of 40 CFR Part 63, Subpart A.

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

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

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 F6(b), 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 a major source of HAP emissions. Affected sources at this facility include all the internal combustion engines (units CG-1, CG-2, CG-3, CG-4, CG-5, 11-1A, 11-1B, 11-1C, 11-1D, JCG-7101, JCG-7201, EG-1, EG-6101, 21.1, and 28-17).

WAQSR CHAPTER 5, SECTION 3 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS) AND 40 CFR 63 SUBPART DDDDD REQUIREMENTS FOR INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AND PROCESS HEATERS

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

The permittee shall meet all requirements of 40 CFR 63 Subparts A and DDDDD and WAQSR Ch 5, Sec 3, as they apply to owners or operators of industrial, commercial, or institutional boilers or process heaters as defined in §63.7575 that are located at, or are part of, a major source of HAPs as defined in §63.2, except that for oil and natural gas production facilities, a major source of HAPs is as defined in §63.761 (40 CFR Part 63 Subpart HH). The types of boilers and process heaters listed in §63.7491 are not subject to Subpart DDDDD. This subpart applies to:

- (a) The collection of existing industrial, commercial, and institutional boilers and process heaters within a subcategory, including the EconoTherm Process Heater (unit 20-1), the Heatec process furnace (H-1), the Byron boiler (H-4), the Parker heating boiler (SB-3), the comfort heater (H-6204), and the Sivalls salt bath heater (20-2).
- (b) New or reconstructed industrial, commercial, or institutional boilers or process heaters.

The 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)]

- (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 visible emissions from the process flare (unit X-27A), the permittee shall assess compliance with condition F2(a) by conducting the monitoring required by condition F8(b).
- (ii) The permittee shall assess compliance with condition F2(b) by verifying natural gas was the sole fuel source used for the units specified in condition F9(a).
- (iii) For NO_x and CO emissions from the engines listed in Table I, the permittee shall assess compliance with condition F3(a) by conducting the monitoring required by condition F9(a).
- (iv) For operating hours limitations, the permittee shall assess compliance with condition F3(d) by conducting the monitoring required in condition F9(b) and by reviewing the records maintained in accordance with condition F11(e).
- (v) For NO_x emissions from the EconoTherm Process Furnace (unit 20-1) and the Heatec Process Furnace (unit H-1), the permittee shall assess compliance with condition F4 by conducting monitoring required by condition F10.
- (vi) For the preventative maintenance required by condition F3(e), the permittee shall assess compliance by reviewing the records kept in accordance with condition F12.
- (vii) For greenhouse gas reporting, the permittee shall assess compliance with condition F16 by verifying that reports were submitted in accordance with condition F16(a) and (b).
- (viii) For accidental release prevention, the permittee shall submit a certification statement as described in condition F18(b).
- (ix) For NO_x and SO₂ emissions from the Allison turbine engines (CG-7101 and CG-7201), the permittee shall assess compliance with condition P60-GG1 of this permit by demonstrating that natural gas was the sole fuel source for the units in accordance with condition P60-GG2.
- (x) For any engine subject to 40 CFR 60 Subpart JJJJ, the permittee shall assess compliance with Subpart JJJJ by conducting any testing and monitoring required by §§60.4237, 60.4243, and 60.4244, and by reviewing the records required by §§60.4245 and 60.4246.
- (xi) The permittee shall assess compliance with 40 CFR 63 Subpart HH by conducting any compliance demonstrations and monitoring required by §§63.772 and 63.773 and reviewing any records required by §§63.760 and 63.774.
- (xii) For any turbine subject to 40 CFR 63 Subpart YYYY, the permittee shall assess compliance with Part 63 Subpart YYYY by conducting any applicable testing and monitoring required by §§63.6115 through 63.6140, and by reviewing any records required by §§63.6155 and 63.6160.
- (xiii) The permittee shall assess compliance with Part 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.
- (xiv) For the boilers and process heaters, the permittee shall assess compliance with Part 63 Subpart DDDDD by conducting any applicable testing and monitoring required by §§63.7510 through 63.7541 and by reviewing any records required by §§63.7555 and 63.7560.
- (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 including reports, certifications, and emission inventories required under this permit shall be submitted either:
- (i) Electronically through the Division's IMPACT system (<https://airimpact.wyo.gov>); or
 - (ii) As separate, stand-alone documents sent to:
Administrator, Air Quality Division
122 West 25th Street
Cheyenne, Wyoming 82002
- (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, in accordance with condition G4 of this permit, 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 and be submitted in accordance with condition G4(a) of this permit.

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.
- (b) 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 either through the Division's IMPACT system (<https://airimpact.wyo.gov>) or in writing to the DEQ Air Quality Contact listed on page 3 of this permit. The Administrator may extend this 14-day time period for cause.
- (c) 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 firefighting 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” is 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 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

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-hr 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-hr 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

*Exceedances of these standards shall be determined using the procedures in 40 CFR 50.

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.

SUMMARY OF SOURCE EMISSION LIMITS AND REQUIREMENTS

Source ID#: **CG-1, CG-2, and CG-3** Source Description: **Dresser Clark TLAS-6 Engines**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	40 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	14.5 g/hp-hr, 48.0 lb/hr, and 210 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Quarterly testing [F9]	Quarterly testing [F9]	Record test results [F11]	30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: **CG-4** Source Description: **Dresser Clark TLA-6 Engine**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	14.5 g/hp-hr, 63.9 lb/hr, and 280 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Quarterly testing [F9]	Quarterly testing [F9]	Record test results [F11]	30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

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Source ID#: CG-5 Source Description: Dresser Clark TLA-6 Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	2.4 g/hp-hr, 10.6 lb/hr, and 46.31 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
CO	3.0 g/hp-hr, 13.23 lb/hr, and 59.62 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: 11-1A, 11-1B, and 11-1C Source Description: White Superior 8GT-825 Reciprocating Engines

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	40 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	2.0 g/hp-hr, 3.97 lb/hr, and 17.36 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
CO	0.5 g/hp-hr, 0.99 lb/hr, and 4.34 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

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#: 11-1D Source Description: White Superior 8GT-825 Reciprocating Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	2.0 g/hp-hr, 4.41 lb/hr, and 19.30 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
CO	0.5 g/hp-hr, 1.1 lb/hr, and 4.82 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Semiannual testing [F9]	Semiannual testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: JCG-7101 and JCG-7201 Source Description: White Superior 2406G Compressor Engines

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	0.9 g/hp-hr, 2.38 lb/hr, and 10.43 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Biennial testing [F9]	Biennial testing [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
CO	2.8 g/hp-hr, 7.41 lb/hr, and 32.4 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Biennial testing [F9]	Biennial testing [F9]	Record test results [F11]	30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

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#: **CG-7101 and CG-7201** Source Description: **Allison 501 KC-5 Gas Turbines**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	2.77 g/hp-hr, 26.7 lb/hr, 117.0 TPY, and 169 ppmvd @ 15% O ₂ [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Quarterly testing [F9]	Quarterly testing [F9]	Record test results [F11]	30 days: report test results [F14] Report excess emissions and permit deviations [F17]
CO	0.32 g/hp-hr, 3.10 lb/hr, and 13.6 TPY [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Test once every five years [F9]	Test once every five years [F9]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
SO ₂	SO ₂ 0.015 percent by volume at 15% O ₂ , or fuel with ≤ 0.8% sulfur by weight [Subpart GG]	40 CFR 60 Subparts A and GG WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7]	Demonstrate fuel meets definition of natural gas [P60-GG2]	Record demonstration and startup, shutdowns, and malfunctions [P60-GG3]	Report changes in demonstration [P60-GG4] Report excess emissions and permit deviations [F17]

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#: EG-1 Source Description: Caterpillar Emergency Generator

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	1.0 g/hp-hr, 0.9 lb/hr, and 0.2 TPY; hours limit; maintenance requirements [F3]	WAQSR Ch 6, Sec 2 waiver AP-5792	Additional testing if required [F7] Biennial testing [F9]	Monitor operating hours [F9]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
CO	1.6 g/hp-hr, 1.5 lb/hr, and 0.4 TPY; hours limit; maintenance requirements [F3]	WAQSR Ch 6, Sec 2 waiver AP-5792	Additional testing if required [F7] Biennial testing [F9]	Monitor operating hours [F9]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: 21.1 Source Description: Cummins Emergency Generator

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	0.8 g/hp-hr; hours limit; maintenance requirements [F3]	WAQSR Ch 6, Sec 2 waiver AP-1431	Additional testing if required [F7] Biennial testing [F9]	Monitor operating hours [F9]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
CO	0.5 g/hp-hr; hours limit; maintenance requirements [F3]	WAQSR Ch 6, Sec 2 waiver AP-1431	Additional testing if required [F7] Biennial testing [F9]	Monitor operating hours [F8]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

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#: EG-6101 Source Description: Waukesha H24G Emergency Generator Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	2.6 lb/hr, and 3.03 TPY; hours limit [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Test once every five years [F9]	Monitor operating hours [F9]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
CO	1.75 lb/hr, and 2.04 TPY; hours limit [F3]	WAQSR Ch 6, Sec 2 Permit CT-1287A	Additional testing if required [F7] Test once every five years [F9]	Monitor operating hours [F9]	Record monitoring and test results [F11] Record of maintenance [F12]	15 days: Notification of testing [F13] 30 days: report test results [F14] Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: 28-17 Source Description: Firewater Pump Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	Hours limit [F3]	WAQSR Ch 6, Sec 2 waiver 9/7/2001	Additional testing if required [F7]	Monitor operating hours [F9]	Record monitoring results [F11]	Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
CO	Hours limit [F3]	WAQSR Ch 6, Sec 2 waiver 9/7/2001	Additional testing if required [F7]	Monitor operating hours [F9]	Record monitoring results [F11]	Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

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#: 20-1 Source Description: EconoTherm Process Furnace

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	40 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	0.23 lb/MMBtu [F4]	WAQSR Ch 3, Sec 3	Additional testing if required [F7] Annual testing [F10]	Annual testing [F10]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & DDDDD					

Source ID#: H-1 Source Description: Heatec Process Furnace

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F9]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	0.20 lb/MMBtu [F4]	WAQSR Ch 3, Sec 3	Additional testing if required [F7] Biennial testing [F10]	Biennial testing [F10]	Record test results [F11]	15 days: Notification of testing [F13] 30 days: report test results [F14] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & DDDDD					

Source ID#: 25-10 Source Description: Glycol Regenerator

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Benzene	WAQSR Ch 5, Sec 3; 40 CFR 63 Subparts A and HH					

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#: **SB-3, H-4, H-6204, and 20-2** Source Description: **Parker Heating Boiler, Bryon Boiler, Comfort Heater, and Sivalls Salt Bath Heater**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	Verification of natural gas firing [F8]	Record the results of any additional testing [F11]	Semiannual: report type of fuel fired [F15] Report excess emissions and permit deviations [F17]
NO _x	0.20 lb/MMBtu [F4]	WAQSR Ch 3, Sec 3	Additional testing if required [F7]	None	Record monitoring results [F11]	Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & DDDDD					

Source ID#: **X-27A** Source Description: **Process Flare**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	Smokeless, operate with flame present [F2]	40 CFR 63.11(b)	Additional testing if required [F7]	Monitor date, duration of time when the flare exhibit visible emissions for more than five minutes; monitor presence of flame [F8]	Record the results of any additional testing, visible emissions, absence of flame [F11]	Semiannual: report monitoring results [F15] Report excess emissions and permit deviations [F17]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & HH					

Source ID#: **X-33** Source Description: **Refuse Incinerator**

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F2] 0.20 lb per 100 lbs of refuse charge [F5]	WAQSR Ch 3, Sec 2	Additional testing if required [F7]	None	Record the results of any additional testing [F11]	Report excess emissions and permit deviations [F17]

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ABBREVIATIONS

ACFM	Actual cubic feet per minute
AFRC	Air-fuel ratio controls
AQD	Air Quality Division
BACT	Best available control technology (see Definitions)
Btu	British thermal unit
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
CO	Carbon monoxide
CO ₂ e	Carbon dioxide equivalent
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
NMHC(s)	Non-methane hydrocarbon(s)
NO _x	Oxides of nitrogen
NSCR	Non-selective catalytic reduction
O ₂	Oxygen
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
RICE	Reciprocating internal combustion engine
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 _x	Oxides of sulfur
TBD	To be determined
TPD	Ton(s) per day (1 ton = 2000 pounds, unless otherwise specified)
TPH	Ton(s) per hour (1 ton = 2000 pounds, unless otherwise specified)
TPY	Tons per year (1 ton = 2000 pounds, unless otherwise specified)
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 CFR 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.*