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. 3-1-218

Issue Date: **April 15, 2014**
Expiration Date: **April 15, 2019**
Effective Date: **April 15, 2014**
Replaces Permit No.: **3-0-218-1**

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,

QEPM Gathering I, LLC
Pinedale Complex
Section 2, Township 31 North, Range 109 West
Sublette 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 — 4-15-14
Steven A. Dietrich, Administrator — Date
Air Quality Division

Todd Parfitt — 4/18/14
Todd Parfitt, Director — Date
Department of Environmental Quality

WAQSR CHAPTER 6, SECTION 3 OPERATING PERMIT

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

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GENERAL INFORMATION

(*Amended May 7, 2015*)

Company Name: QEPM Gathering I, LLC

Mailing Address: **1801 California Street, Suite 1200 (Amended November 5, 2015)**

City: Denver State: CO Zip: **80202**

Plant Name: Pinedale Complex

Plant Location: Section 2, Township 31 North, Range 109 West, Sublette County, WY
(5 miles southwest of Boulder)

Latitude/Longitude (WGS84): 42.69/-109.81

Plant Mailing Address: 1050 17th Street, Suite 500

City: Denver State: CO Zip: 80265

Name of Owner: QEPM Gathering I, LLC Phone: (303) 672-6900

Responsible Official: *Reserved*

Plant Manager/Contact: *Rick Williams* Phone: *(307) 922-5703*

DEQ Air Quality Contact: District 5 Engineer
510 Meadowview Drive
Lander, WY 82520
Phone: (307) 332-6755

SIC Code: 1311 – Oil and Gas Production NAICS Code: 211111

Description of Process: The Pinedale Complex consists of a natural gas compressor station (Pinedale/Gobblers Knob Compressor Station) and a liquids handling facility (Pinedale Liquids Facility). The compressor station receives gas from field gathering lines and from the electric recompressor. After slug catcher processing, the gas is directed to six Caterpillar and one Solar Titan turbine compressor engines, and delivered to a sales line. The condensate from the inlet scrubber and the water and condensate from the slug catcher are collected in two low pressure condensate storage tanks. Condensate is routed to a sales line, and water is routed to two 400 bbl water and condensate storage tanks for truck loadout. The Pinedale Liquids Facility receives condensate via the inlet condensate line. The condensate passes through a low pressure separator where water is separated and piped to the water disposal system. Hydrocarbon light ends from the low pressure separator are recompressed to the Pinedale/Gobblers Knob Compressor Station suction header. The water that enters the facility via pipeline and the water collected in the water disposal system is pumped to a third party disposal facility via a water pipeline.

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
E-1	Caterpillar G3608SITA Compressor Engine*	1,860 hp	MD-11378A
E-2	Caterpillar G3608SITA Compressor Engine*	1,860 hp	MD-11378A
E-3	Caterpillar G3616SITA Compressor Engine*	3,720 hp	MD-11378A
E-4	Caterpillar G3616SITA Compressor Engine*	3,720 hp	MD-11378A
E-5	Caterpillar G3616SITA Compressor Engine*	3,720 hp	MD-11378A
E-6	Caterpillar G3616SITA Compressor Engine*	3,720 hp	MD-11378A
EGEN-1	Cummins KTA50-G9 Backup Generator (diesel), EPA Tier 1 certified	2,200 hp	MD-11378A
EGEN-2	Caterpillar C27 ACERT Genset (diesel), EPA Tier 2 certified	950 hp	MD-11378A
TURBINE-1	Solar Titan 130 Turbine Compressor	15,949 hp	MD-11378A
ST-1, ST-2	Water/Condensate Storage Tanks	400 bbl each	MD-11378A
ST-3	Condensate Storage Tank	6,000 bbl	MD-11378A
ST-4, ST-5	Water Storage Tanks	1,000 bbl each	MD-11378A
CT1, CT2	Low Pressure Separator Tanks	60,000 gal each	MD-11378A
H-1, H-2	Scrubber Tank Heaters	0.25 MMBtu/hr each	MD-11378A
H-3	Ethylene Glycol Heater	8.5 MMBtu/hr	MD-11378A
H-4	Condensate Bypass Heater	2.0 MMBtu/hr	MD-11378A
H-5, H-6	Produced Water Tank Heaters	0.5 MMBtu/hr each	MD-11378A
FLARE-1	Low Pressure Flare	1.2 MMSCFD	MD-11378A
FLARE-2	High Pressure, Emergency Flare	1.2 MMSCFD	MD-11378A
FLARE-3	Emergency Flare	2.4 MMSCFD	MD-11378A

* Engine is 4-stroke lean burn, equipped with an oxidation catalyst

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	9
PM_{10} Particulate Matter	9
$PM_{2.5}$ Particulate Matter	9
Sulfur Dioxide (SO_2)	0.4
Nitrogen Oxides (NO_X)	140
Carbon Monoxide (CO)	53
Volatile Organic Compounds (VOCs)	137
HAZARDOUS AIR POLLUTANT (HAP) EMISSIONS	9.4
GREENHOUSE GAS EMISSIONS (CO_2e)	136,415

Emission estimates are from the operating permit application. The facility is an area source for HAPs.

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.

(F2) ENGINE AND TURBINE CONFIGURATION REQUIREMENTS
[WAQSR Ch 6, Sec 2 Permit MD-11378A]
(a) The facility shall be limited to no more than eight engines and one turbine consisting of the following:
- (i) Two Caterpillar G3608SITA engines equipped with an oxidation catalyst (E-1 and E-2).
- (ii) Four Caterpillar G3616SITA engines equipped with an oxidation catalyst (E-3 through E-6).
- (iii) One Cummins KTA50-G9 Tier 1 certified diesel generator engine (EGEN-1).
- (iv) One Caterpillar C27 ACERT Tier 2 certified diesel generator engine (EGEN-2).
- (v) One Solar Titan 130 turbine (TURBINE-1).

(b) Once removed from the facility, an engine cannot be installed and operated in its place unless authorized by an appropriate permit modification (except as allowed for temporary engine replacement under condition F7).

(c) The permittee may expand the engine configuration beyond that described in paragraph (a) upon receipt of a construction or modification permit issued under Chapter 6, Section 2 of WAQSR that authorizes such change. The permittee must, however, submit an application to modify this operating permit within 12 months of commencement of operation for any engine not already included in this permit.

Source-Specific Permit Conditions

(F3) VISIBLE EMISSIONS [WAQSR Ch 3, Sec 2; Ch 3, Sec 6(b); Ch 6, Sec 2 Permit MD-11378A]
(a) The flares (FLARE-1, FLARE-2, and FLARE-3) 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. Each flare must be equipped and operated with an automatic ignitor or a continuous burning pilot which must be maintained in good working order.

(b) Visible emissions from the diesel fired emergency generator engines (EGEN-1 and EGEN-2) shall not exceed 30 percent opacity except for periods not exceeding ten consecutive seconds.

(c) 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.

(F4) ENGINE AND TURBINE OPERATION AND EMISSION LIMITATIONS
[WAQSR Ch 6, Sec 2 Permit MD-11378A]
(a) NO_X, CO, VOC and formaldehyde emissions shall not exceed the limits specified for each unit listed in Table I.

(b) 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.

(c) Each diesel fired emergency generator engine (EGEN-1 and EGEN-2) shall not exceed 500 hours of operation per year. Each engine shall be equipped with a non-resettable hour meter to demonstrate compliance with this limit.

(d) The four Caterpillar G3616SITA compressor engines (E-3 through E-6) are limited to a cumulative 23,312 hours of operation per calendar year. Each engine shall be equipped with a non-resettable hour meter to demonstrate compliance with this limit.

(e) The permittee shall operate and maintain each Caterpillar compressor engine (E-1 through E-6), air pollution control equipment, and monitoring equipment according to good air pollution control practices at all times, including startup, shutdown, and malfunction.

Table I: NO_X, CO, VOC and Formaldehyde Emission Limits											
Engine Description	NO_X			CO			VOC			Formaldehyde	
	g/hp-hr	lb/hr	TPY	g/hp-hr	lb/hr	TPY	g/hp-hr	lb/hr	TPY	lb/hr	TPY
Caterpillar G3608SITA (E-1)	0.7	2.9	12.6	0.3	1.2	5.4	0.8	3.3	14.4	0.25	1.10
Caterpillar G3608SITA (E-2)	0.7	2.9	12.6	0.3	1.2	5.4	0.8	3.3	14.4	0.25	1.10
Caterpillar G3616SITA[1] (E-3)	0.7	5.7	66.8	0.25	2.1	23.9	0.7	5.7	66.8	0.37	4.31
Caterpillar G3616SITA[1] (E-4)	0.7	5.7		0.25	2.1		0.7	5.7		0.37	
Caterpillar G3616SITA[1] (E-5)	0.7	5.7		0.25	2.1		0.7	5.7		0.37	
Caterpillar G3616SITA[1] (E-6)	0.7	5.7		0.25	2.1		0.7	5.7		0.37	
Cummins KTA50-G9 generator (EGEN-1)	6.9	33.7	8.4	8.5	41.6	10.4					
Caterpillar C27 ACERT generator (EGEN-2)	5.3	11.1	2.8	2.6	5.5	1.4					
	NO_X			CO			VOC				
At ambient temperatures > 0°F	ppmvd @ 15% O_2	lb/hr		ppmvd @ 15% O_2	lb/hr		ppmvd @ 15% O2	lb/hr			
Solar Titan 130 Turbine (TURBINE-1)	15	7.0		1.3	0.4		6.0	1.0			

[1] The TPY emission limits shown are the combined emission limits for engines E-3 through E-6.

(F5) FUEL BURNING EQUIPMENT [WAQSR Ch 3, Sec 3]
NO_X emissions from the heaters (H-1 through H-6) shall not exceed 0.20 lb/MMBtu heat input.

(F6) STORAGE TANK AND SEPARATOR CONTROL REQUIREMENTS
[WAQSR Ch 6, Sec 2 Permit MD-11378A]

(a) Liquids from the compressor engine fuel gas scrubbers (E-1 through E-6) shall be routed to the two 400 bbl storage tanks (ST-1 and ST-2).

(b) Combined condensate throughput through the two 400 bbl tanks (ST-1 and ST-2) shall be limited to 2,190 bbl per year, as measured at the truck loadout.

(c) VOC and HAP emissions associated with storage and atmospheric stabilization of condensate in the two 1,000 bbl water storage tanks (ST-4 and ST-5) and the 6,000 bbl condensate storage tank (ST-3), and any emissions associated with malfunction of the electric recompressor, shall be routed to the Low Pressure Flare (FLARE-1).

(d) Vapors from the two low pressure separator tanks (CT1 and CT2) shall be routed to the compressor station gas inlet. These vapors shall be routed to the Emergency Flare (FLARE-3) when the electric recompressor used to route the vapors to the compressor station gas inlet is not operating.

(F7) ENGINE OR 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

(F8) EMISSIONS TESTING [W.S. 35-11-110; WAQSR Ch 6, Sec 2 Permit MD-11378A]

(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 flares, Method 22.

(ii) For visible emissions from other sources, Method 9.

(iii) For particulate emissions, Methods 1-4 and 5.

(iv) For NO_X and SO_2 emissions from the Solar Titan turbine (TURBINE-1) subject to the requirements of 40 CFR 60 Subpart KKKK, follow the requirements of §60.4400.

(v) For VOC emissions from the Solar Titan turbine (TURBINE-1), Methods 1-4 and 25A.

(vi) For NO_X, CO, and VOC emissions from the Caterpillar compressor engines and any engines subject to 40 CFR 60 Subpart JJJJ, follow 40 CFR 60 Subpart JJJJ §60.4244, except that §60.8 only applies to engines subject to 40 CFR 60 Subpart JJJJ.

(vii) For other NO_X emission sources, Methods 1-4 and 7 or 7E.

(viii) For other CO emission sources, Methods 1-4 and 10.

(ix) For formaldehyde emissions, testing shall consist of at least one 1-hour test following EPA reference methods and a Division approved formaldehyde test method. Formaldehyde emissions in terms of lb/hr shall be calculated using the methodology in Sections 10.1.1.1 and 10.1.1.2 of the State of Wyoming's Portable Analyzer Protocol. The monitoring protocol is available from the Division upon request, or can be downloaded at *http://deq.state.wy.us/aqd/operating.asp.*

(x) 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).

(F9) VISIBLE EMISSIONS AND FLARE MONITORING
[WAQSR Ch 6, Sec 3(h)(i)(C)(I); Ch 6, Sec 2 Permit MD-11378A]

(a) Periodic monitoring for visible emissions from the compressor and turbine engines (E-1 through E-6 and TURBINE-1), and heaters (H-1 through H-6), shall consist of monitoring the type of fuel used to ensure natural gas is the sole fuel source for these units.

(b) The permittee shall conduct observations of visible emissions from the diesel fired emergency generator engines (EGEN-1 and EGEN-2) during periodic availability assurance tests of these sources, at least semi-annually, to assess compliance with the opacity limit under condition F3 and to identify maintenance needs. The visual observations shall be conducted by a person who is educated on the general procedures for determining the presence of visible emissions but not necessarily certified to perform Method 9 observations. Observation of excess emissions shall prompt immediate inspection and, if necessary, corrective actions.

(c) For visible emissions from each flare (FLARE-1, FLARE-2, and FLARE-3), the permittee shall monitor and note the date, time and duration when the flare exhibits visible emissions for more than 5 minutes.

(d) The permittee shall perform, at minimum, a quarterly Method 22 test on the Low Pressure Flare (FLARE-1). The Method 22 test shall be performed for a period of 15 consecutive minutes. If visible emissions are observed during the 15 minute period, the permittee shall take immediate corrective action to return the flare to smokeless operation.

(e) The presence of the pilot flame for each flare (FLARE-1, FLARE-2, and FLARE-3) shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. The equipment controlled by the flare shall not operate if there is no pilot flame detected.

(F10) STORAGE TANK AND SEPARATOR MONITORING
[WAQSR Ch 6, Sec 3(h)(i)(C)(I); Ch 6, Sec 2 Permit MD-11378A]

(a) The permittee shall monitor the combined condensate throughput through the 400 bbl tanks (ST-1 and ST-2), measured at the truck loadout, to determine compliance with the limit in condition F6(b).

(b) The permittee shall monitor for the dates and duration of events and quantity of gas routed to the Low Pressure Flare (FLARE-1) from the two 1,000 bbl water storage tanks (ST-4 and ST-5), the 6,000 bbl condensate storage tank (ST-3), and emissions associated with malfunction of the electric recompressor.

(c) The permittee shall monitor for the dates and duration of events and quantity of gas routed to the Emergency Flare (FLARE-3) from the two low pressure separator tanks (CT1 and CT2) when the electric recompressor is not operating.

(F11) ENGINE AND TURBINE EMISSIONS MONITORING
[WAQSR Ch 6, Sec 3(h)(i)(C)(I); Ch 6, Sec 2 Permit MD-11378A]

(a) The permittee shall measure NO_X, CO, VOC, and formaldehyde emissions from the Caterpillar engines (E-1 through E-6) at least once every 12 calendar months to verify compliance with the emission limits specified in condition F4. Periodic tests for each engine are required within 12 calendar months after completion of the last periodic test.

(i) Testing for NO_X, CO, and VOC emissions shall follow the methods specified in condition F8(a)(vi).

(ii) Testing and calculations for formaldehyde emissions shall follow the methods specified in conditions F8(a)(ix).

(iii) For each engine, testing for NO_X, CO, VOC, and formaldehyde emissions shall be conducted concurrently.

(b) The permittee shall measure NO_X, CO, and VOC emissions from the Solar Titan turbine (TURBINE-1) at least once every calendar year to verify compliance with the emission limits specified in condition F4. Periodic tests are required within 12 calendar months after completion of the last periodic test.

(i) Testing for NO_X and CO emissions shall be conducted using methods specified under condition F8(a) or the State of Wyoming's Portable Analyzer Protocol. The monitoring protocol is available from the Division upon request, or can be downloaded at *http://deq.state.wy.us/aqd/operating.asp.*

(ii) Testing for VOC emissions shall follow the methods specified in condition F8(a)(v).

(iii) The permittee shall monitor ambient temperature on days that the Solar Titan turbine (TURBINE-1) is in operation at the facility to determine the number of turbine operational hours during the calendar year that the ambient temperature is equal to or below zero degrees Fahrenheit.

(c) The permittee shall measure NO_X, and CO emissions from the diesel fired emergency generator engines (EGEN-1 and EGEN-2) at least once every three years to verify compliance with the emission limits specified in condition F4.

(i) The permittee shall measure NO_X and CO emissions using the EPA reference methods described in condition F8(a) or the State of Wyoming's Portable Analyzer Protocol. The monitoring protocol is available from the Division upon request, or can be downloaded at *http://deq.state.wy.us/aqd/operating.asp.*

(d) For each engine and turbine installed:

(i) The permittee shall notify the Division within 24-hours if any testing/monitoring shows operation outside the emission limits specified in condition F4.

(ii) The permittee shall repair the source no later than seven calendar days of such a testing/monitoring event, and shall repair and retest/monitor the affected source to demonstrate the source has been returned to operation within the limits in condition F4.

(iii) Compliance with this condition regarding repair and retesting/monitoring shall not be deemed to limit the authority of the Division to cite the owner or operator for an exceedance of the emission limits for any testing which shows noncompliance.

(e) The permittee shall monitor the hours of operation of each diesel fired emergency generator engine (EGEN-1 and EGEN-2) using the hour meters required by condition F4.

(f) The permittee shall monitor the hours of operation of each Caterpillar G3616SITA compressor engine (E-3 through E-6) using the hour meters required by condition F4.

(g) For any engines subject to the requirements of 40 CFR 60 Subpart JJJJ, the permittee shall provide test notification as specified in §60.8 of 40 CFR 60. For all other engines and turbines, notification of the test date shall be provided to the Division at least 15 days prior to testing. Results of the test shall be submitted within 45 days of completing the tests.

(F12) CATALYST MONITORING AND MAINTENANCE [WAQSR Ch 6, Sec 2 Permit MD-11378A]

The permittee shall follow the monitoring requirements as follows for the compressor engines equipped with an oxidation catalyst (engines E-1 through E-6):

(a) Operate and maintain a thermocouple to measure the temperature at the inlet of the catalyst. The inlet temperature shall be monitored and recorded at least monthly. If the temperature is outside the range of 450°F to 1350°F, corrective action shall be taken.

(b) Operate and maintain a device to measure the pressure drop across the catalyst. The pressure drop across the catalyst shall be monitored and recorded at least monthly. If the pressure changes by more than two inches of water at 100% load, plus or minus 10%, from the reference pressure drop, corrective action shall be taken.

(i) Reference pressure drop for each engine shall be established during the initial performance test.

(ii) When a catalyst is replaced, the reference pressure drop shall be re-established for that engine during the first test conducted in compliance with condition F11 which occurs after the catalyst replacement.

(c) Compliance with 40 CFR 63 Subpart ZZZZ §63.6605 and §63.6640 can be used in lieu of the monitoring and maintenance requirements in the above conditions (a) and (b) and condition F4(e).

Recordkeeping Requirements

(F13) TESTING AND MONITORING RECORDS

[WAQSR Ch 6, Sec 3(h)(i)(C)(II); Ch 6, Sec 2 Permit MD-11378A]

(a) For any testing or monitoring performed under conditions F8 and F11(a) through (d), 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;

(vi) The operating conditions and parameters as they existed at the time of testing, monitoring, or observation including, for engines, horsepower, inlet temperature to the catalyst, and pressure drop across the catalyst; and

(vii) The probable cause of any exceedance or deviation from permit requirements and any corrective actions or preventive measures taken.

(b) For any Method 9 observations required by the Division under conditions F8 or F9, the permittee shall keep field records in accordance with Section 2.2 of Method 9.

(c) For any Method 22 observations required by the Division under condition F9, the permittee shall keep field records in accordance with Sections 11.2 and 11.5 of Method 22.

(d) For visible emissions monitoring from the flares (FLARE-1, FLARE-2, and FLARE-3) required under condition F9, the permittee shall record the date, time, duration, and cause (if known), of events when the flare exhibits visible emissions for more than 5 minutes.

(e) For the flare pilot flame monitoring required by condition F9(e), the permittee shall record the date and duration of events when the pilot flame is not present on each flare (FLARE-1, FLARE-2, and FLARE-3). The record shall also note any equipment in operation during the event which is vented to the flare(s) that lacks a pilot flame.

(f) For the condensate throughput monitoring required by condition F10(a), the permittee shall keep records of actual combined condensate throughput through the 400 bbl tanks (ST-1 and ST-2), measured at the truck loadout.

(g) The permittee shall keep records noting dates and duration of events and quantity of gas routed to the flare(s) under conditions F10(b) and (c).

(h) For the monitoring required under condition F11(b)(iii), the permittee shall keep records of the dates and hours that the Solar Titan turbine (TURBINE-1) operated when the ambient temperature was at or below zero degrees Fahrenheit.

(i) For the operating hours monitoring required by conditions F11(e) and (f), the permittee shall record the operating hours of the two diesel fired emergency generator engines (EGEN-1 and EGEN-2) and the four Caterpillar G3616SITA compressor engines (E-3 through E-6) on a monthly basis.

(j) For the monitoring required under condition F12, the permittee shall record the catalyst inlet temperature, pressure drop, any maintenance and/or corrective action triggered, the reference pressure drop for each engine at the time of the monitoring, and the dates of catalyst replacement for each engine.

(k) 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 and shall make them available to the Division upon request.

Reporting Requirements

(F14) NOTIFICATION OF TESTING AND SHUTDOWN [WAQSR Ch 6, Sec 2 Permit MD-11378A]

(a) Notification of the test date for the monitoring required by condition F11(a) through (c) shall be provided to the Division at least 15 days prior to testing; except for any engines subject to the requirements of 40 CFR 60 Subpart JJJJ, the permittee shall provide test notification as specified in §60.8 of 40 CFR 60.

(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 downloaded from the Air Quality Division website http://deq.state.wy.us/aqd or obtained from the Division upon request.

(F15) TEST REPORTS [WAQSR Ch 6, Sec 3(h)(i)(C)(III); Ch 6, Sec 2 Permit MD-11378A]

(a) The permittee shall report the results of any emissions tests performed under conditions F8, F9(b) and (d), and F11, within 45 days of completing the tests.

(i) However, if testing for any engine or turbine shows operation out of compliance, the Division must be notified within 24 hours as indicated under condition F11(d).

(b) The reports shall include the information specified under conditions F13(a), (b) and/or (c) as applicable, reference this permit condition (F15), and be submitted to the Division in accordance with condition G4.

(F16) MONITORING REPORTS [WAQSR Ch 6, Sec 3(h)(i)(C)(III); Ch 6, Sec 2 Permit MD-11378A]

(a) The following shall be reported to the Division by January 31 and July 31 each year:

(i) A statement verifying that the emissions units listed in condition F9(a) fired only natural gas during the reporting period.

(ii) The calendar year-to-date operating hours for the two diesel fired emergency generator engines (EGEN-1 and EGEN-2) and the cumulative calendar-year-to-date operating hours for the four Caterpillar G3616SITA compressor engines (E-3 through E-6).

(iii) The calendar year-to-date combined condensate throughput through the 400 bbl tanks (ST-1 and ST-2), as measured at the truck loadout.

(iv) The calendar year-to-date hours that the Solar Titan turbine (TURBINE-1) operated when the ambient temperature was at or below zero degrees Fahrenheit.

(v) The number, duration, and cause of any excursions from the temperature and pressure drop ranges specified in condition F12 for each of the catalytically controlled compressor engines (E-1 through E-6). The report shall include a summary of any maintenance and/or corrective actions taken; if no excursions occurred during the reporting period, this shall be stated in the report.

(vi) Summary results of the flare emissions monitoring required under condition F9(c). Only monitoring during which excess visible emissions are observed from the flare(s) and any corrective actions taken shall be included in the report. If no visible emissions are observed during the reporting period, this shall be stated in the report.

(vii) Summary results of the records required under condition F13(e) for flare pilot flame monitoring. Only monitoring during which the pilot flame(s) are not present, reason(s) for absence of the pilot flame and any corrective actions taken shall be included in the report. If no instances of pilot flame outage are observed during the reporting period, this shall be stated in the report.

(viii) Summary results of the records kept in accordance with condition F13(g). If the electric recompressor was fully operational and no gas from the two low pressure separator tanks (CT1 and CT2) was routed to FLARE-3 during the reporting period, this shall be stated in the report.

(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 (F16), and be submitted to the Division in accordance with condition G4.

(F17) 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)(i) of this permit, to the attention of the Division's Emission Inventory Program. A copy need not be sent to the DEQ Air Quality contact.

(F18) 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.

WAQSR CHAPTER 5, SECTION 2 NEW SOURCE PERFORMANCE STANDARDS (NSPS) AND

40 CFR 60 SUBPART IIII REQUIREMENTS FOR STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES

SUBPART IIII REQUIREMENTS

[40 CFR 60 Subparts A and IIII; WAQSR Ch 5, Sec 2 and Ch 6, Sec 2 Permit MD-11378A]

As applicable, the permittee shall meet the requirements of 40 CFR 60 Subparts A and IIII and WAQSR Ch 5, Sec 2, as they apply to stationary compression ignition (CI) internal combustion engines. (As required by condition F7(b)(ii), 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 §60.4200.

On November 20, 2013, engine EGEN-1 was not subject to Subpart IIII according to information submitted to the Division by the permittee. Engine EGEN-2 must meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII.

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 and Ch 6, Sec 2 Permit MD-11378A]

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 F7(b)(ii), 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 November 20, 2013, engines E-1 through E-4 were not subject to Subpart JJJJ according to information submitted to the Division by the permittee. Engines E-5 and E-6 must meet the requirements of Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart JJJJ. However, on November 20, 2013, engines E-5 and E-6 had no applicable requirements from Subpart JJJJ because of their dates of manufacture.

40 CFR 60 SUBPART KKKK REQUIREMENTS FOR STATIONARY COMBUSTION TURBINES

SUBPART KKKK REQUIREMENTS

[40 CFR 60 Subparts A and KKKK; and WAQSR Ch 5, Sec 2 and Ch 6, Sec 2 Permit MD-11378A]

The permittee shall meet all applicable requirements of 40 CFR Part 60 Subparts A and KKKK and WAQSR Ch 5, Sec 2 as they apply to stationary combustion turbines that commenced construction, modification or reconstruction after February 18, 2005, as defined under §60.4305 (except as indicated under §60.4310), including the Solar Titan turbine (TURBINE-1).

40 CFR 60 SUBPART OOOO REQUIREMENTS FOR CRUDE OIL AND NATURAL GAS PRODUCTION, TRANSMISSION AND DISTRIBUTION

SUBPART OOOO REQUIREMENTS

[40 CFR 60 Subparts A and OOOO; and WAQSR Ch 5, Sec 2]

The permittee shall meet all applicable requirements of 40 CFR 60 Subparts A and OOOO and WAQSR Ch 5, Sec 2 as they apply to affected facilities as specified under §60.5365.

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 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 F7(b)(ii), if an engine is replaced or reconstructed, subpart applicability will need to be re-evaluated and a statement regarding applicability submitted to the Division.) This facility is currently identified as an area source of HAP emissions. Affected sources at this facility include engines E-1 through E-6, EGEN-1, and EGEN-2.

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, the permittee shall assess compliance with condition F3 of this permit by verifying natural gas was the sole fuel source used for the units specified in condition F9(a), and by conducting the monitoring required by conditions F9(b) through (e).

(ii) For NO_X, CO, VOC and formaldehyde emissions and operating hour limitations, the permittee shall assess compliance with condition F4 by conducting the testing and monitoring required by condition F11 and by reviewing records kept in accordance with condition F13.

(iii) For emissions and operating requirements for the storage tanks and separator tanks, the permittee shall assess compliance with condition F6 by conducting the monitoring required by condition F10, by reviewing records kept in accordance with conditions F13(f) and (g), and by verifying that liquids from the compressor engine fuel gas scrubbers (E-1 through E-6) were routed to the two 400 bbl storage tanks (ST-1 and ST-2).

(iv) For greenhouse gas reporting, the permittee shall assess compliance with condition F17 by verifying that reports were submitted in accordance with condition F17(b).

(v) For any engine subject to 40 CFR 60 Subpart IIII, the permittee shall assess compliance with Subpart IIII by conducting any applicable testing and monitoring required by §§60.4209, 60.4211, 60.4212, and 60.4213, and by reviewing the records required by §§60.4211 and 60.4214.

(vi) For any engine subject to 40 CFR 60 Subpart JJJJ, the permittee shall assess compliance with Subpart JJJJ by conducting any applicable testing and monitoring required by §§60.4237, 60.4243, and 60.4244, and by reviewing the records required by §§60.4245 and 60.4246.

(vii) For the Solar Titan turbine (TURBINE-1), the permittee shall assess compliance with Subpart KKKK by conducting any testing and monitoring required by §§60.4335 through 60.4370 and §§60.4400 through 60.4415, and by reviewing the records required by §§60.7 and 60.4365.

(viii) For any affected facility subject to 40 CFR 60 Subpart OOOO, the permittee shall assess compliance with Subpart OOOO by conducting any applicable testing and monitoring required by §§60.5413 through 60.5417 and by reviewing any applicable records required by §§60.5420.

(ix) For the reciprocating internal combustion engines, the permittee shall assess compliance with Part 63 Subpart ZZZZ by conducting any applicable testing and monitoring required by §§63.6610 through 63.6640 and by reviewing the records required by §§63.6655 and 63.6665.

(c) The compliance certification shall include:

(i) The permit condition or applicable requirement that is the basis of the certification;

(ii) The current compliance status;

(iii) Whether compliance was continuous or intermittent; and

(iv) The methods used for determining compliance.

(d) For any permit conditions or applicable requirements for which the source is not in compliance, the permittee shall submit with the compliance certification a proposed compliance plan and schedule for Division approval.

(e) The compliance certification shall be submitted to the Division in accordance with condition G4 of this permit and to the Assistant Regional Administrator, Office of Enforcement, Compliance, and Environmental Justice (8ENF-T), U.S. EPA - Region VIII, 1595 Wynkoop Street, Denver, CO 80202-1129.

(f) Determinations of compliance or violations of this permit are not restricted to the monitoring requirements listed in paragraph (b) of this condition; other credible evidence may be used.

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

(C2) The permittee shall continue to comply with the applicable requirements with which the permittee has certified that it is already in compliance.

(C3) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.

GENERAL PERMIT CONDITIONS

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

(G1) (a) The Administrator may require the owner or operator of any point source to complete plans and specifications for any application for a permit required by the Wyoming Environmental Quality Act or regulations made pursuant thereto and require the submission of such reports regarding actual or potential violations of the Wyoming Environmental Quality Act or regulations thereunder.

(b) The Administrator may require the owner or operator of any point source to establish and maintain records; make reports; install, use and maintain monitoring equipment or methods; sample emissions, or provide such other information as may be reasonably required and specified.

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

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

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

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

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

(G4) Any document submitted shall be certified as being true, accurate, and complete by a responsible official.

(a) Submissions to the Division.

(i) Any submissions to the Division including reports, certifications, and emission inventories required under this permit shall be submitted as separate, stand-alone documents and shall be sent to:

Administrator, Air Quality Division
122 West 25th Street
Cheyenne, Wyoming 82002

(ii) Unless otherwise noted elsewhere in this permit, a copy of each submission to the Administrator under paragraph (a)(i) of this condition shall be sent to the DEQ Air Quality Contact listed on page 3 of this permit.

(b) Submissions to EPA.

(i) Each certification required under condition C1 of this permit shall also be sent to:

Assistant Regional Administrator
Office of Enforcement, Compliance, and Environmental Justice (8ENF-T)
U.S. EPA - Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129.

(ii) All other required submissions to EPA shall be sent to:

Office of Partnerships and Regulatory Assistance
Air and Radiation Program (8P-AR)
U.S. EPA - Region VIII
1595 Wynkoop Street
Denver, CO 80202-1129

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

(G5) The permittee may change operations without a permit revision provided that:

(a) The change is not a modification under any provision of title I of the Clean Air Act;

(b) The change has met the requirements of Chapter 6, Section 2 of the WAQSR and is not a modification under Chapter 5, Section 2 or Chapter 6, Section 4 of the WAQSR and the changes do not exceed the emissions allowed under the permit (whether expressed therein as a rate of emissions or in terms of total emissions); and

(c) The permittee provides EPA and the Division with written notification at least 14 days in advance of the proposed change. The permittee, EPA, and the Division shall attach such notice to their copy of the relevant permit. For each such change, the written notification required shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change. The permit shield, if one exists for this permit, shall not apply to any such change made.

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

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

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

(G7) The Division will reopen and revise this permit as necessary to remedy deficiencies in the following circumstances:

(a) Additional applicable requirements under the Clean Air Act or the WAQSR that become applicable to this source if the remaining permit term is three or more years. Such reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended.

(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit.

(c) The Division or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

(d) The Division or EPA determines that the permit must be revised or revoked to assure compliance with applicable requirements.

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

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

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

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

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

(G10) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

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

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

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

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

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

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

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

(G14) The permittee shall furnish to the Division, within a reasonable time, any information that the Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Division copies of records required to be kept by the permit, including information claimed and shown to be confidential under W.S. 35-11-1101 (a) of the Wyoming Environmental Quality Act. Upon request by the Division, the permittee shall also furnish confidential information directly to EPA along with a claim of confidentiality.

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

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

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

(G16) Authorized representatives of the Division, upon presentation of credentials and other documents as may be required by law, shall be given permission to:

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

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

(G17) The permittee may seek to establish that noncompliance with a technology-based emission limitation under this permit was due to an emergency, as defined in Ch 6, Sec 3(l)(i) of the WAQSR. To do so, the permittee shall demonstrate the affirmative defense of emergency through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (a) an emergency occurred and that the permittee can identify the cause(s) of the emergency;
- (b) the permitted facility was, at the time, being properly operated;

(c) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit;

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

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

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

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

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

(b) The burden of proof is on the owner or operator of the source to provide sufficient information to demonstrate that an unavoidable equipment malfunction occurred.

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

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

Carbon Monoxide: [WAQSR Ch 3, Sec 5]

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

Asbestos: [WAQSR Ch 3, Sec 8]

(G22) The permittee shall comply with emission standards for asbestos during abatement, demolition, renovation, manufacturing, spraying and fabricating activities.

(a) No owner or operator shall build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size.

(b) All owners and operators conducting an asbestos abatement project, including an abatement project on a residential building, shall be responsible for complying with Federal requirements and State standards for packaging, transportation, and delivery to an approved waste disposal facility as provided in paragraph (m) of Ch 3, Sec 8.

(c) The permittee shall follow State and Federal standards for any demolition and renovation activities conducted at this facility, including:

(i) A thorough inspection of the affected facility or part of the facility where the demolition or renovation activity will occur shall be conducted to determine the presence of asbestos, including Category I and Category II non-friable asbestos containing material. The results of the inspection will determine which notification and asbestos abatement procedures are applicable to the activity.

(ii) The owner or operator shall follow the appropriate notification requirements of Ch 3, Sec 8(i)(ii).

(iii) The owner or operator shall follow the appropriate procedures for asbestos emissions control, as specified in Chapter 3, Section 8(i)(iii).

(d) No owner or operator of a facility may install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. The provisions of this paragraph do not apply to spray-applied insulating materials regulated under paragraph (j) of Ch 3, Sec 8.

(e) The permittee shall comply with all other requirements of WAQSR Ch 3, Sec 8.

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

(G23) The permittee conducting an open burn shall comply with all rules and regulations of the Wyoming Department of Environmental Quality, Division of Air Quality, and with the Wyoming Environmental Quality Act.

(a) No person shall burn prohibited materials using an open burning method, except as may be authorized by permit. ***"Prohibited materials"*** means substances including, but not limited to; natural or synthetic rubber products, including tires; waste petroleum products, such as oil or used oil filters; insulated wire; plastic products, including polyvinyl chloride ("PVC") pipe, tubing and connectors; tar, asphalt, asphalt shingles, or tar paper; railroad ties; wood, wood waste, or lumber that is painted or chemically treated; explosives or ammunition; batteries; hazardous waste products; asbestos or asbestos containing materials; or materials which cause dense smoke discharges, excluding refuse and flaring associated with oil and gas well testing, completions and well workovers.

(b) No person or organization shall conduct or cause or permit open burning for the disposal of trade wastes, for a salvage operation, for the destruction of fire hazards if so designated by a jurisdictional fire authority, or for 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 SO_2 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, in accordance with 40 CFR 50:

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	98th 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 98th 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 (99th 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

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#: E-1 and E-2 Source Description: Caterpillar G3608SITA Compressor Engines

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Verification of natural gas firing [F9]	Record the results of any additional testing [F13]	Semiannual: report type of fuel fired [F16] Report excess emissions and permit deviations [F18]
NO_X	0.7 g/hp-hr, 2.9 lb/hr, 12.6 TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Report excess emissions and permit deviations [F18]
CO	0.3 g/hp-hr, 1.2 lb/hr, 5.4 TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
VOC	0.8 g/hp-hr, 3.3 lb/hr, 14.4 TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
Formal-dehyde	0.25 lb/hr, 1.10 TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
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#: E-3 through E-6 Source Description: Caterpillar G3616SITA Compressor Engines

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Verification of natural gas firing [F9]	Record the results of any additional testing [F13]	Semiannual: report type of fuel fired [F16] Report excess emissions and permit deviations [F18]
NO_X	0.7 g/hp-hr, 5.7 lb/hr, 66.8 cumulative TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Report excess emissions and permit deviations [F18]
CO	0.25 g/hp-hr, 2.1 lb/hr, 23.9 cumulative TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
VOC	0.7 g/hp-hr, 5.7 lb/hr, 66.8 cumulative TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
Formal-dehyde	0.37 lb/hr, 4.31 cumulative TPY [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Catalyst monitoring and maintenance [F12]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
NO_X, CO, VOC, For-maldehyde	Cumulative 23,312 hours of annual operation	WAQSR Ch 6, Sec 2 Permit MD-11378A	None	Monitor operating hours for each engine [F11]	Record operating hours [F13]	Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
NO_X, CO, and VOC	As applicable: WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & JJJJ					
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#: EGEN-1 Source Description: Cummins KTA50-G9, Tier 1 certified, Diesel Generator Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	30 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Semiannual observation [F9]	Record monitoring results and any additional testing [F13]	Report excess emissions and permit deviations [F18]
NO_x	6.9 g/hp-hr, 33.7 lb/hr, 8.4 TPY [F4] Limit operation hours to 500 per year [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test once every three years [F11] Monitoring operating hours [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report operating hours [F16] Report excess emissions and permit deviations [F18]
CO	8.5 g/hp-hr, 41.6 lb/hr, 10.4 TPY [F4] Limit operation hours to 500 per year [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test once every three years [F11] Monitoring operating hours [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report operating hours [F16] Report excess emissions and permit deviations [F18]
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: EGEN-2 Source Description: Caterpillar C27 ACERT, Tier 2 certified, Diesel Generator Engine

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	30 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Semiannual observation [F9]	Record monitoring results and any additional testing [F13]	Report excess emissions and permit deviations [F18]
NO_x	5.3 g/hp-hr, 11.1 lb/hr, 2.8 TPY [F4] Limit operation hours to 500 per year [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test once every three years [F11] Monitoring operating hours [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report operating hours [F16] Report excess emissions and permit deviations [F18]
CO	2.6 g/hp-hr, 5.5 lb/hr, 1.4 TPY [F4] Limit operation hours to 500 per year [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test once every three years [F11] Monitoring operating hours [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report operating hours [F16] Report excess emissions and permit deviations [F18]
NO_x, CO, PM, VOC	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & IIII					
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#: TURBINE-1 Source Description: Solar Titan 130 Turbine Compressor

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Verification of natural gas firing [F9]	Record the results of any additional testing [F13]	Semiannual: report type of fuel fired [F16] Report excess emissions and permit deviations [F18]
NO_X	15 ppmvd @ 15 % O_2 and 7.0 lb/hr at ambient temperature > 0 °F [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Ambient temperature monitoring [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
CO	1.3 ppmvd @ 15 % O_2 and 0.4 lb/hr at ambient temperature > 0 °F [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Ambient temperature monitoring [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
VOC	6 ppmvd @ 15 % O_2 and 1.0 lb/hr at ambient temperature > 0 °F [F4]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Emissions test every 12 calendar months [F11] Ambient temperature monitoring [F11]	Record testing and monitoring results [F13]	45 days: report test results [F15] Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]
NO_X and SO_2	WAQSR Ch 5, Sec 2 and 40 CFR 60 Subparts A & KKKK					
HAPs	WAQSR Ch 5, Sec 3 and 40 CFR 63 Subparts A & ZZZZ					

Source ID#: H-1 through H-6 Source Description: Various Heaters

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
Particulate	20 percent opacity [F3]	WAQSR Ch 3, Sec 2	Testing if required [F8]	Verification of natural gas firing [F9]	Record the results of any additional testing [F13]	Semiannual: report type of fuel fired [F16] Report excess emissions and permit deviations [F18]
NO_X	0.20 lb/MMBtu [F5]	WAQSR Ch 3, Sec 3	Testing if required [F8]	None	Record any test results [F13]	Report excess emissions and permit deviations [F18]

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#: ST-1 through ST-5 Source Description: Produced Water and Condensate Storage Tanks

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
VOC and HAPs	Liquids from engine fuel gas (E-3 through E-6) routed to ST-1 and ST-2; 2,190 bbl/yr combined condensate throughput through ST-1 and ST-2; emissions from ST-3, ST-4, ST-5 and electric recompressor malfunctions routed to FLARE-1 [F6]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Monitor condensate throughput through ST-1 and ST-2 [F10] Monitor quantity of gas routed to FLARE-1 [F10]	Record monitoring results [F13]	Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]

Source ID#: CT1 and CT2 Source Description: Low Pressure Separator Tanks

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
VOC and HAPs	Vapors from tanks routed to electric recompressor, or when electric recompressor is inoperable, routed to FLARE-3 [F6]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	Monitor dates, duration of events and quantity of gas routed to FLARE-3 when electric recompressor is inoperable during tank operation [F10]	Record monitoring results [F13]	Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]

Source ID#: FLARE-1, FLARE-2, FLARE-3 Source Description: Low Pressure, High Pressure Emergency, and Emergency Flares

Pollutant	Emissions Limit/Work Practice Standard	Corresponding Regulation(s)	Testing Requirements	Monitoring Requirements	Recordkeeping Requirements	Reporting Requirements
VOC and HAPs	Operate and maintain to be smokeless; Automatic ignitor or continuous burning pilot; No visible emissions except for five minutes in two consecutive hours [F3]	WAQSR Ch 6, Sec 2 Permit MD-11378A	Testing if required [F8]	For all flares, record date, and duration when the pilot flame is not present and controlled equipment must be shutdown [F9] For FLARE-1, quarterly Method 22 test [F9] For all flares, monitor date, and duration when flare exhibits visible emissions for more than 5 minutes [F9]	Record testing and monitoring results [F13]	Semiannual: report monitoring results [F16] Report excess emissions and permit deviations [F18]

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

ABBREVIATIONS

ACFM	Actual cubic feet per minute
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
C.F.R.	Code of Federal Regulations
CO	Carbon monoxide
CO_2e	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_2S	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
TPH	Ton(s) per hour
TPY	Tons per year
U.S.C.	United States Code
µg	Microgram(s)
VOC(s)	Volatile organic compound(s)
W.S.	Wyoming Statute
WAQSR	Wyoming Air Quality Standards & Regulations (see Definitions)

DEFINITIONS

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

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

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

(a) Any standard or other requirement provided for in the Wyoming implementation plan approved or promulgated by EPA under title I of the Act that implements the relevant requirements of the Act, including any revisions to the plan promulgated in 40 C.F.R. Part 52;

(b) Any standards or requirements in the WAQSR which are not a part of the approved Wyoming implementation plan and are not federally enforceable;

(c) Any term or condition of any preconstruction permits issued pursuant to regulations approved or promulgated through rulemaking under title I, including parts C or D of the Act and including Chapter 5, Section 2 and Chapter 6, Sections 2 and 4 of the WAQSR;

(d) Any standard or other requirement promulgated under Section 111 of the Act, including Section 111(d) and Chapter 5, Section 2 of the WAQSR;

(e) Any standard or other requirement under Section 112 of the Act, including any requirement concerning accident prevention under Section 112(r)(7) of the Act and including any regulations promulgated by EPA and the State pursuant to Section 112 of the Act;

(f) Any standard or other requirement of the acid rain program under title IV of the Act or the regulations promulgated thereunder;

(g) Any requirements established pursuant to Section 504(b) or Section 114(a)(3) of the Act concerning enhanced monitoring and compliance certifications;

(h) Any standard or other requirement governing solid waste incineration, under Section 129 of the Act;

(i) Any standard or other requirement for consumer and commercial products, under Section 183(e) of the Act (having to do with the release of volatile organic compounds under ozone control requirements);

(j) Any standard or other requirement of the regulations promulgated to protect stratospheric ozone under title VI of the Act, unless the EPA has determined that such requirements need not be contained in a title V permit;

(k) Any national ambient air quality standard or increment or visibility requirement under part C of title I of the Act, but only as it would apply to temporary sources permitted pursuant to Section 504(e) of the Act; and

(l) Any state ambient air quality standard or increment or visibility requirement of the WAQSR.

(m) Nothing under paragraphs (A) through (L) above shall be construed as affecting the allowance program and Phase II compliance schedule under the acid rain provision of Title IV of the Act.

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

which achieve equivalent results. Application of BACT shall not result in emissions in excess of those allowed under Chapter 5, Section 2 of the WAQSR and any other new source performance standard or national emission standards for hazardous air pollutants promulgated by EPA but not yet adopted by the state.

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

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

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

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

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

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

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

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

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

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

(b) the average emission limitation achieved by the best performing five sources (for which the Administrator has or could reasonably obtain emissions information) in the category or subcategory for categories or subcategories with fewer than 30 sources.

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

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

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

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

"Regulated air pollutant" means the following:

(a) Nitrogen oxides (NO_X) or any volatile organic compound;

(b) Any pollutant for which a national ambient air quality standard has been promulgated;

(c) Any pollutant that is subject to any standard established in Chapter 5, Section 2 of the WAQSR or Section 111 of the Act;

(d) Any Class I or II substance subject to a standard promulgated under or established by title VI of the Act; or

(e) Any pollutant subject to a standard promulgated under Section 112 or other requirements established under Section 112 of the Act, including Sections 112(g), (j), and (r) of the Act, including the following:

  (i) Any pollutant subject to requirements under Section 112(j) of the Act. If EPA fails to promulgate a standard by the date established pursuant to Section 112(e) of the Act, any pollutant for which a subject source would be major shall be considered to be regulated on the date 18 months after the applicable date established pursuant to Section 112(e) of the Act; and

  (ii) Any pollutant for which the requirements of Section 112(g)(2) of the Act have been met, but only with respect to the individual source subject to Section 112(g)(2) requirement.

(f) Pollutants regulated solely under Section 112(r) of the Act are to be regulated only with respect to the requirements of Section 112(r) for permits issued under this Chapter 6, Section 3 of the WAQSR.

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

"Responsible official" means one of the following:

(a) For a corporation:

  (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

  (ii) A duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

    (A) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars); or

    (B) the delegation of authority to such representative is approved in advance by the Division;

(b) For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

(c) For a municipality, State, Federal, or other public agency: Either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency; or

(d) For affected sources:

  (i) The designated representative or alternate designated representative in so far as actions, standards, requirements, or prohibitions under title IV of the Act or the regulations promulgated thereunder are concerned; and

  (ii) The designated representative, alternate designated representative, or responsible official under Chapter 6, Section 3 (b)(xxvi) of the WAQSR for all other purposes under this section.

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