**Air Quality Bureau**

**TITLE V OPERATING PERMIT**

**Issued under 20.2.70 NMAC**

Note to Applicant for Draft Permit Reviews: The permit specialist provides this draft permit to the applicant as a courtesy to assist AQB with developing practically enforceable permit terms & conditions and correcting any technical errors.  Please note that the draft permit may change following completion of the Department’s internal reviews and if time allows, the applicant may be provided an opportunity for additional review before the permit is issued.

Certified Mail No: xxxx xxxx xxxx xxxx

Return Receipt Requested

**Operating Permit No:** Pxxx-xx

Acid Rain Permit No:[if applicable]

**Facility Name:** Facility Name

**Facility Owner/Operator:** If different, list the one that is not the applicant here

**Permittee Name:** Delete this line unless different, if different, insert the

 applicant’s name as the permittee

**Mailing Address:** Address

City, State Zip Code

**TEMPO/IDEA ID No:** XXX-PRTXXXXXXXXXXX

**AIRS No:** 35 XXXXXXXXXX

**Permitting Action:** Type of Action e.g. Renewal

Source Classification: [Title V Major, PSD Major]

**Facility Location:** XXX,XXXm E by X,XXX,XXXm N; Zone 12 or 13; Datum **[**WGS84, NAD27, or NAD83**]**

**County:** County

**Air Quality Bureau Contact:** Permit Writer

**Main AQB Phone No.** (505) 476-4300

**TV Permit Expiration Date:**

**TV Renewal Application Due:**

**Liz Bisbey-Kuehn Date**

**Bureau Chief**

**Air Quality Bureau** Template version: 06/28/2021

[Delete all below except footer at time final permit submitted for signature.]

File Name: Tv\_Permit\_Part\_A\_Master\_27may2021

Save Date: 6/29/2021 9:49:00 AM

Print Date: 5/27/2021 9:47:00 AM

TABLE OF CONTENTS

[Part A FACILITY SPECIFIC REQUIREMENTS 5](#_Toc521924796)

[A100 Introduction 5](#_Toc521924797)

[A101 Permit Duration (expiration) 5](#_Toc521924798)

[A102 Facility: Description 5](#_Toc521924799)

[A103 Facility: Applicable Regulations and Non-Applicable Regulations 7](#_Toc521924800)

[A104 Facility: Regulated Sources 9](#_Toc521924801)

[A105 Facility: Control Equipment 10](#_Toc521924802)

[A106 Facility: Allowable Emissions 10](#_Toc521924803)

[A107 Facility: Allowable Startup, Shutdown, & Maintenance (SSM) [and Malfunction Emissions] 12](#_Toc521924804)

[A108 Facility: Hours of Operation 19](#_Toc521924805)

[A109 Facility: Reporting Schedules (20.2.70.302.E NMAC) 19](#_Toc521924806)

[A110 Facility: Fuel and Fuel Sulfur Requirements (as required) 20](#_Toc521924807)

[A111 Facility: 20.2.61 NMAC Opacity (as required) 21](#_Toc521924808)

[A112 Alternative Operating Scenario (as required) 23](#_Toc521924809)

[A113 Compliance Plan (as required and to include enforcement action requirements) 24](#_Toc521924810)

[A114 Governing Requirements During Source Construction, Source Removal, and/or Change in Emissions Control 24](#_Toc521924811)

[EQUIPMENT SPECIFIC REQUIREMENTS 29](#_Toc521924812)

[Oil and Gas Industry 29](#_Toc521924813)

[A200 Oil and Gas Industry 29](#_Toc521924814)

[A201 Engines 29](#_Toc521924815)

[A202 Glycol Dehydrators 30](#_Toc521924816)

[A203 Tanks 30](#_Toc521924817)

[A204 Heaters/Boilers 30](#_Toc521924818)

[A205 Turbines 30](#_Toc521924819)

[A206 Flares 31](#_Toc521924820)

[A207 Sulfur Recovery Unit 31](#_Toc521924821)

[A208 Amine Unit 31](#_Toc521924822)

[A209 Fugitives 32](#_Toc521924823)

[A210 Acid Gas Injection 32](#_Toc521924824)

[A211 Miscellaneous (change name as needed) 32](#_Toc521924825)

[Construction Industry 32](#_Toc521924826)

[A300 Construction Industry – Aggregate 32](#_Toc521924827)

[A400 Construction Industry – Asphalt 32](#_Toc521924828)

[A500 Construction Industry - Concrete 32](#_Toc521924829)

[Power Generation Industry 33](#_Toc521924830)

[A600 Power Generation Industry – Not Required 33](#_Toc521924831)

[A601 Turbines 33](#_Toc521924832)

[A602 Boilers 33](#_Toc521924833)

[A603 Engines 34](#_Toc521924834)

[A604 Heaters 34](#_Toc521924835)

[A605 Cooling Towers 34](#_Toc521924836)

[A606 Haul Roads/Storage piles (Coal-Fired Plants) 34](#_Toc521924837)

[A607 Baghouses 35](#_Toc521924838)

[A608 Tanks 35](#_Toc521924839)

[Solid Waste Disposal (Landfills) Industry 35](#_Toc521924840)

[A700 Solid Waste Disposal (Landfills) Industry – Not Required 35](#_Toc521924841)

[A701 General Landfill Operations and NMOC Emissions 35](#_Toc521924842)

[A702 Haul Road Operations 35](#_Toc521924843)

[A703 Landfill Gas Collection System 35](#_Toc521924844)

[A704 Enclosed Landfill Gas Flare (NMOC Emissions Control) 36](#_Toc521924845)

[A705 Petroleum Contaminated Soils Landfarm 36](#_Toc521924846)

[A706 Microturbine Generator and Engines 36](#_Toc521924847)

[Miscellaneous Industry (change name as needed or not required) 36](#_Toc521924848)

[A800 Miscellaneous Operations Introduction 36](#_Toc521924849)

[Miscellaneous Documents (change name as needed or not required) 37](#_Toc521924850)

[A801 40 CFR 64, Compliance Assurance Monitoring (CAM) Plan (change name as needed or not required) 37](#_Toc521924851)

**PART B GENERAL CONDITIONS (Attached)**

**PART C MISCELLANEOUS: Supporting On-Line Documents; Definitions; Acronyms (Attached)**

1. FACILITY SPECIFIC REQUIREMENTS
	1. Introduction
2. Not Applicable **[delete this note: 100A is currently a placeholder. Put ‘Description of this mod in A102]**
3. **[DELETE IF DOES NOT APPLY. Include this condition only if the NSR or TV permit includes any PSD BACT limits or other control or operating requirements. Do not list the BACT limits and control requirements in this section. Those should be listed in Sections 105 and 106 of the permit, and should not be duplicated here.]** This permit includes Prevention of Significant Deterioration (PSD) Best Available Control Technology (BACT) requirements that were imposed in accordance with the PSD permit regulation 20.2.74 NMAC. Any removal or revision of any BACT requirement(s) must first be approved by the Department through an appropriate new source review permit application that includes a BACT re-evaluation consistent with 20.2.74 NMAC.

[Delete this note: REMEMBER THAT CONSTRUCTION, MODIFICATION, REVISION AND OPERATING CONDITIONS IN THIS PERMIT MUST BE PRACTICALLY ENFORCEABLE USUALLY WITH SOME KIND OF MONITORING, RECORDKEEPING, AND REPORTING. BE SURE TO SPECIFY THE FREQUENCY OF THE REQUIREMENTS.]

* 1. Permit Duration (expiration)
1. [If this permit is the first permit for a facility or a Renewal use this language] The term of this permit is five (5) years. It will expire five years from the date of issuance. Application for renewal of this permit is due twelve (12) months prior to the date of expiration. (20.2.70.300.B.2 and 302.B NMAC)
2. [If this permit is a modification use this language]This permit PxxxMx supersedes permit Pxxx, and will expire on [Insert expiration date].Application for renewal of this permit is due twelve (12) months prior to the date of expiration. (20.2.70.300.B.2 and 302.B NMAC)
3. If a timely and complete application for a permit renewal is submitted, consistent with 20.2.70.300 NMAC, but the Department has failed to issue or disapprove the renewal permit before the end of the term of the previous permit, then the permit shall not expire and all the terms and conditions of the permit shall remain in effect until the renewal permit has been issued or disapproved. (20.2.70.400.D NMAC)
	1. Facility: Description
4. The function of the facility is to [Description].
5. This facility is located approximately XX miles DIRECTIONof CITY, New Mexico in COUNTY County. (20.2.70.302.A(7) NMAC) [use this citation (20.2.70.302.F NMAC) only for portable or temporary sources, otherwise delete]
6. [If this permit is a modification, summarize the change made]This modification consists of…The description of this modification is for informational purposes only and is not enforceable.
7. Tables 102.A and Table 102.B show the potential to emit (PTE) from this facility for information only. This is not an enforceable condition and excludes insignificant or trivial activities.

| **Table 102.A: Total Potential to Emit (PTE) from Entire Facility** |
| --- |
| **Pollutant** (LIST ALL POLLUTANTS IN THIS ORDER) | **Emissions (tons per year)** |
| Nitrogen Oxides (NOx) | XXXX |
| Carbon Monoxide (CO) | XX.X |
| Volatile Organic Compounds (VOC) 1 |  |
| Volatile Organic Compounds (VOC) excluding fugitives |  |
| Sulfur Dioxide (SO2) | X.0 |
| Particulate Matter (PM)2 [include PM in TV & PSD permits only] | Particulate Matter (PM)2 |
| Particulate Matter 10 microns or less (PM10) |  |
| Particulate Matter 2.5 microns or less (PM2.5) |  |
| Hydrogen Sulfide (H2S) | XX.0 |
| Lead |  |
| Greenhouse Gas (GHG) as CO2e | XX.0 |

1. VOC total includes emissions from Fugitives, SSM and Malfunctions. [edit as necessary]

2.PM is a regulated new source review pollutant per 20.2.74 NMAC Prevention of Significant Deterioration and 20.2.70 NMAC, Title V. No ambient air quality standards apply to PM.

| **Table 102.B: Total Potential to Emit (PTE) for \*Hazardous Air Pollutants (HAPs) that exceed 1.0 ton per year** |
| --- |
| **Pollutant** (LIST ALL POLLUTANTS ALPHABETICALLY) | **Emissions** **(tons per year)** |
| Acetaldehyde | X.X |
| Acrolein |  |
| Benzene | X.X |
| Ethylbenzene |  |
| Formaldehyde | X.X |
| Methanol |  |
| n-hexane | X.X |
| Naphthalene |  |
| Styrene |  |
| Toluene |  |
| 2,2,4-Trimethylpentane |  |
| Xylenes |  |
| Total HAPs\*\* |  |

\* HAP emissions are already included in the VOC emission total.

\*\* The total HAP emissions may not agree with the sum of individual HAPs because only individual HAPs greater than 1.0 tons per year are listed here.

* 1. Facility: Applicable Regulations and Non-Applicable Regulations
1. The permittee shall comply with all applicable sections of the requirements listed in Table 103.A.

[Here is an example of how Table 103.A should be presented. There may be other requirements than those listed here. Organize in numerical order, showing NMAC first with CFRs following at bottom.]

**Delete this Note:** Remember to do a word search for and **delete** all references and conditions of **20.2.37 (repealed effective 2-15-16) and 20.2.36 (repealed effective ?-?-16)** NMAC from existing permits. These regulations were repealed by the Environmental Improvement Board.

**Delete this Note:** Do a word search for and remove all 20.2.35 NMAC citations and requirements in the permit per statement below. Add the information to your Statement of Basis if you remove 20.2.35 NMAC requirements: AQB determined on 3-4-16 that 20.2.35 NMAC does not apply to natural gas processing plants that do not use a Sulfur Recovery Unit to control sulfur emissions but instead use acid gas injection (AGI), flaring, enclosed combustion, re-routing, and/or any other type of sulfur control other than an SRU. See “Guidance and Clarification Regarding Applicability to 20.2.35 NMAC”.

| **Table 103.A: Applicable Requirements** |
| --- |
| **Applicable Requirements** | **Federally****Enforceable** | **Unit****No.** |
| NSR Permit No: XXXX-MX (Per 20.2.72 NMAC) | X | Entire Facility or Units |
| 20.2.1 NMAC General Provisions  | X | Entire Facility |
| 20.2.7 NMAC Excess Emissions  | X | Entire Facility |
| 20.2.61 NMAC Smoke and Visible Emissions | X |  |
| 20.2.70 NMAC Operating Permits | X | Entire Facility |
| 20.2.71 NMAC Operating Permit Emission Fees | X | Entire Facility |
| 20.2.72 NMAC Construction Permit | X | Entire Facility |
| 20.2.73 NMAC Notice of Intent and Emissions Inventory Requirements | X | Entire Facility |
| 20.2.74 NMAC Permits – Prevention of Significant Deterioration (PSD) | X | Entire Facility |
| 20.2.77 NMAC New Source Performance Standards | X | Units subject to 40 CFR 60 |
| 20.2.82 NMAC Maximum Achievable Control Technology Standards for Source Categories of HAPs | X | Units subject to 40 CFR 63 |
| 40 CFR 50 National Ambient Air Quality Standards | X | Entire Facility |
| 40 CFR 60, Subpart A, General Provisions | X |  |
| 40 CFR 60, Subpart Kb | X |  |
| 40 CFR 60, Subpart OOOO | X |  |
| 40 CFR 63, Subpart A, General Provisions | X |  |
| 40 CFR 63, Subpart HH | X |  |
| 40 CFR 64 Compliance Assurance Monitoring | X |  |
| 40 CFR 68 Chemical Accident Prevention | X |  |
| 40 CFR 72 Acid Rain Program | X |  |
| Settlement Agreement |  |  |

1. Table 103.B lists requirements that are **not** applicable to this facility. This table only includes those requirements cited in the application as applicable and determined by the Department to be not applicable, or the Department determined that the requirement does not impose any conditions on a regulated piece of equipment.

| **Table 103.B: Non-Applicable Requirements** |
| --- |
| **Non-Applicable Requirements** | **(1)** | **(2)** | **Justification For** **Non-Applicability** |
| 20.2.2 NMAC Definitions |  | X |  |
| 20.2.3 NMAC Ambient Air Quality Standards | X |  |  |
| 20.2.5 NMAC Source Surveillance |  | X |  |
| 20.2.60 NMAC Open Burning | X |  |  |
| 20.2.75 NMAC Construction Permit Fees |  | X |  |
| 20.2.78 NMAC Emission Standards for Hazardous Air Pollutants  | X |  |  |
| 20.2.80 NMAC Stack Heights | X |  |  |
| 20.2.81 NMAC Western Backstop Sulfur Dioxide Trading Program | X |  | The Program Trigger Date has not yet been triggered therefore no applicable requirements could apply at this time. |
| 40 CFR 61, Subpart M, Asbestos | X |  |  |
| 40 CFR 98 Mandatory Greenhouse Gas Reporting |  | X | The permittee may be subject, but 40 CFR 98 is not a Title V applicable requirement listed at 20.2.70.7.E NMAC  |

1. Not Applicable For This Facility: No existing or planned operation/activity at this facility triggers the applicability of these requirements.

2. No Requirements: Although these regulations may apply, they do not impose any specific requirements on the operation of the facility as described in this permit.

1. Compliance with the terms and conditions of this permit regarding source emissions and operation demonstrate compliance with national ambient air quality standards specified at 40 CFR 50, which were applicable at the time air dispersion modeling was performed for the facility’s NSR Permit XXX-MX.
	1. Facility: Regulated Sources
2. Table 104.A lists the emission units authorized for this facility. Emission units identified as insignificant or trivial activities (as defined in 20.2.70.7 NMAC) and/or equipment not regulated pursuant to the Act are not included.

**[Note: Do not include Fugitives unless there is a condition for leak detection and repair per the protocol “Monitoring-VOC-HAPS Fugitives” located in the NSR-TV shared folder in magneto or a Department approved enforceable condition proposed by the applicant to demonstrate compliance with a limit on Fugitives.]**

| **Table 104.A: Regulated Sources List** |
| --- |
| **Unit No.** | **Source Description****[for RICE include 2S, 4S, LB, etc.]** | **Make** | **Model** | **Serial No.** | **Construction/ Reconstruction Date** | **Manufacture Date** | **Manufacturer Rated Capacity /Permitted Capacity**  |
| ex | RICE | John Deere | xxx-xxx | 1234 | 06/08/2016 | Not Reported | xx hp |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| FL-XX | [**Choose which applies:]**[Emergency Flare Pilot/Purge Emissions or Emergency Flare Pilot with auto ignition] | xxxx | xxxx | xxxx (Note-pilot/purge MMscf/yr | xxxx | xxxx | xxxx |

1. All TBD (to be determined) units and like-kind engine replacements must be evaluated for applicability to NSPS and MACT requirements.

[Add footnotes as needed to explain reconstruction status and changes to regulatory applicability. Permitted Capacity should reflect the capacity used to calculate emissions. Manufacturer Rated Capacity is the capacity the inspector will look for on the Unit Nameplate (if listed). Capacity must be listed for permitted TBD units.

Note: the purpose of footnotes are mainly for explanation. Footnotes are generally not enforceable.]

[For pilot-ignition flares, always list the flare pilot and purge gas flaring as a unit in Table 104 with separate pilot and purge gas limits in Table 106.A, even if there are SSM and/or malfunction flaring limits in Section 107. For auto-ignition flares, the limits in Table 106.A should be set at zero. The separate pilot/purge gas only emission limits provide a mechanism for permittees to report excess emissions for malfunctions or SSM (see 20.2.7.109 NMAC). If the separate pilot/purge gas emission rates are not listed separately in Tables 2-E or 2-F, then see the application Section 6- Emissions Calculations for those values.]

* 1. Facility: Control Equipment
1. Table 105.A lists all the pollution control equipment required for this facility. Each emission point is identified by the same number that was assigned to it in the permit application.

**OR** The facility has no pollution controls.

| **Table 105.A: Control Equipment List:** |
| --- |
| **Control Equipment Unit No.** | **Control Description** | **Pollutant being controlled** | **Control for Unit No.1** |
| 1 |  |  |  |
| 2 |  |  |  |

1. Control for unit number refers to a unit number from the Regulated Equipment List
	1. Facility: Allowable Emissions
2. The following Section lists the emission units, and their allowable emission limits. (40 CFR 50; 40 CFR 60, Subparts A and XYZ; 40 CFR 63, Subparts A and XYZ; Paragraphs 1, 7, and 8 of 20.2.70.302.A NMAC; and NSR Permit XXXX).

[List and describe all the emissions limits that apply to this unit or set of units. Repeat as necessary for all required emissions units. An example table is shown below.

Impose limits for units that have controls for a particular pollutant even if emissions are < 1.0 pph or < 1.0 tpy. Do not impose limits for uncontrolled units if emissions are < 1.0 pph or < 1.0 tpy. If emissions for all units for a particular pollutant are uncontrolled and < 1.0 pph and < 1.0 tpy, delete the pollutant columns (both pph and tpy).]

Do not include Fugitives as an allowable limit unless the permittee specifically requests a limit and there is a condition for leak detection and repair per the VOC/HAP Fugitives Monitoring Protocol or a Department approved enforceable condition to demonstrate compliance with a limit on Fugitives.]

Do not include SSM/M1 as line items in Table 106.A, Richard wants them in 107.A.

Table 106.A: Do not include PM pph and tpy in this table. It is acceptable to use Table 106.A to specify PM concentration limits as they apply to individual units OR to include these concentration limits in separate permit condition(s). New or existing PSD BACT PM limits and PM limits to avoid a PSD permitting action or to remain PSD or TV synthetic minor for PM should be placed in a separate permit condition, which should also specify the basis of the condition.

| **Table 106.A: Allowable Emissions** [LIST POLLUTANTS IN THIS ORDER] |
| --- |
| **Unit No.** | **1NOx pph** | **NOx tpy** | **CO pph** | **CO tpy** | **VOC pph** | **VOC tpy** | **SO2 pph** | **SO2 tpy** | **PM10 pph** | **PM10 tpy** | **PM2.5 pph** | **PM2.5 tpy** |
| 1 |  |  | - |  | < |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  | \* |  |  |  |  |  |  |  |
| FL-XX |  |  |  |  |  |  |  |  |  |  |  |  |

1 Nitrogen dioxide emissions include all oxides of nitrogen expressed as NO2.

2 Title V annual fee assessments are based on the sum of allowable tons per year emission limits in Sections A106 and A107.

3 Compliance with emergency flare emission limits is demonstrated by limiting combustion to pilot and/or purge gas only.

“-” indicates the application represented emissions are not expected for this pollutant.

“<” indicates that the application represented the uncontrolled mass emission rates are less than 1.0 pph or 1.0 tpy for this emissions unit and this air pollutant. Although modeled at the calculated value, the Department has determined compliance demonstrations of these very small calculated values are either technically or practically infeasible. For limits expressed as “<”, actual emissions in excess of 1.0 pph and 1.0 tpy are excess emissions to be reported per General Condition B110.E. **[Guidance Note for Permit Writers: General Conditions excess emissions citation is B110.E in TV permits, but in NSR permits the citation is B110.F. Do NOT use the “<” symbol for flares or for units with emissions that are limited in some way by a permit condition.]**

“\*” indicates hourly emission limits are not appropriate for this operating situation.

4 To report excess emissions for sources with no pound per hour and/or ton per year emission limits, see condition B110.E.

[For pilot-ignition flares, always enter flare pilot and/or purge gas emission limits in Table 106.A. For auto-ignition flares, the limits in Table 106.A should be set at zero. In Table 107.A, separately enter any flaring SSM/M limits. This is so there is a mechanism to report malfunction excess emissions for flaring (see 20.2.7.109 NMAC). In Table 107.A, include the flaring pilot/purge emissions within the flaring emission limits].

[Include additional NSPS/NESHAP/State Reg emission limits as necessary. An example is provided below.]

1. Unit X, nitrogen dioxide emissions shall not exceed [you must calculate ppmv] ppmv at 15 percent oxygen and on a dry basis, and the fuel burned shall not contain total sulfur in excess 0.8 percent by weight (8000 ppmw). (40 CFR 60, Subpart GG)
	1. Facility: Allowable Startup, Shutdown, & Maintenance (SSM) [and Malfunction Emissions]

**[Insert the following condition if 1) the application indicates SSM emissions are < 1 tpy, 2) the facility submits SSM calculations, but does not want SSM allowable limits established, or 3) the facility acknowledges SSM events, but does not submit SSM calculations]**

1. Separate allowable startup, shutdown, and maintenance (SSM) emission limits are not required for this facility since the SSM emissions are predicted to be less than the limits established in Table 106.A. The permittee shall maintain records in accordance with Condition B109.E.

**[OR]**

1. [use this language in place of A107.A if SSM from blowdown/venting, pigging, and/or flaring are reported as NSR exempt and TV insignificant] Allowable SSM emission limits are not imposed at this time. The permittee certified that routine or predictable SSM emissions are insignificant as item 1.a of the Title V Insignificant Activity List dated March 4, 2005. The permittee shall notify the Department’s Permit Program Manager in writing within 60 days of determining that routine or predictable SSM emissions are not insignificant as defined in 20.2.70.7.Q NMAC. The permittee shall maintain records in accordance with Condition B109.E. (20.2.70.302.A(4) NMAC)

OR

**Allowable SSM allowable limits may be included in an NSR significant permit revision and emissions shall be modeled or a modeling waiver obtained as required, unless the SSM emissions are VOCs only.**

**Conditions below are for Compressor Blowdowns and must be modified for other SSM events.**

1. The maximum allowable SSM [and Malfunction] emission limits for this facility are listed in Table 107.A and were relied upon by the Department to determine compliance with applicable regulations.

| **Table 107.A: Allowable SSM** [and Malfunction] Units, Activities, and Emission Limits |
| --- |
| **Unit No.** | **Description** | **VOC** **(tpy)** | **H2S** **(pph)** | **H2S****(tpy)** |
| SSM from [insert unit numbers] | **1**Compressor & Associated Piping Blowdowns [or unit/type activity] during Routine and Predictable Startup, Shutdown, and/or Maintenance (SSM) | X | X | X |
| M | **1**Venting of Gas Due to Malfunction | X | X | X |
| **OR [delete un-needed rows]**SSM/M | **1**Venting of Gas Due to SSM and Malfunction | X | X | X |

This authorization does not include VOC combustion emissions.

“<” indicates the application represented that uncontrolled venting, blowdown, or pigging emissions of H2S are less than 0.1 pph or 0.44 tpy. Allowable limits, monitoring, and recordkeeping are not required on this level of H2S venting, blowdown, or pigging emissions. [delete this < sign footnote if for some reason you need to add H2S limits less than 0.1 pph or 0.44 tpy]

To report excess emissions for sources with no pound per hour and/or ton per year emission limits, see condition B110.E.

**[PLEASE NOTE - Do not enter pilot/purge flare emission limits in Table 107.A.** Pilot and/or purge gas flaring- limits are required in Table 106.A to provide a mechanism for reporting excess emissions due to malfunctions.**]**

[For the SSM/M flaring conditions go to the miscellaneous monitoring folder in aurora. These conditions are only for natural gas venting of VOCs and/or H2S from oil and gas. We have not yet developed standard conditions for other types of SSM/M (such as boilers with oxidation catalyst controls, so you will need to find examples of those conditions in other permits.]

[**Delete this explanation for the < sign**:

Modeling can be waived if total facility emissions or increase for a point source are < 0.1 pph and for a fugitive source is < 0.01 pph. Venting is a point source (stack).

0.44 tpy comes from: (0.1 lb/hr) x (1ton/2000lbs) x (8760hrs/yr)= 0.438 tpy

If the permit needs a numerical H2S emission limit to avoid an applicability threshold do not use the < sign but put in a numerical emission limit with monitoring and records. Avoiding applicability threshold means to avoid a PSD, nonattainment, or some other regulatory requirement which can be done with a federally enforceable emission limit. If an applicant netted out of PSD for H2S it must have a permit limit with federally enforceable condition or the net reduction may not be “creditable”.]

1. The authorization of emission limits for startup, shutdown, maintenance, and malfunction does not supersede the requirements to minimize emissions according to Conditions B101.C and B107.A.
2. SSM VOC Emissions for venting of gas **[for venting of gas, add other pollutants as required such as H2S and/or HAPs]**

|  |
| --- |
| **Requirement:** The permittee shall perform a facility inlet gas analysis once every year based on a calendar year [or more frequently for variable gas] and complete the following recordkeeping to demonstrate compliance with routine and predictable startup, shutdown, and maintenance (SSM) emission limits in Table 107.A. |
| **Monitoring:** The permittee shall monitor the permitted routine and predictable startups and shutdowns and scheduled maintenance events. |
| **Recordkeeping:** * + - 1. To demonstrate compliance, each month records shall be kept of the cumulative total VOC emissions during the first 12 months due to SSM events and, thereafter of the monthly rolling 12-month total of VOC emissions due to SSM events.
			2. Records shall also be kept of the inlet gas analysis, the percent VOC of the gas based on the most recent gas analysis**[or for only commercial pipeline gas that does not vary using the number of   events and associated volume of each event]**, and of the volume of total gas vented in MMscf used to calculate the VOC emissions.
			3. The permittee shall record the calculated emissions and parameters used in calculations in accordance with Condition B109, except the requirement in B109.E to record the start and end times of SSM events shall not apply to the venting of known quantities of VOC. **[Exemption to record start & end times applies only to venting of fixed quantities of VOCs. Other SSM, e.g. flaring, must record start and end times.]**
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Malfunction Emissions **[for venting of gas, add other pollutants as required e.g. H2S and/or HAPs]**

|  |
| --- |
| **Requirement:** The permittee shall perform a facility inlet gas analysis once every year based on a calendar year [or more frequent] and complete the following recordkeeping to demonstrate compliance with malfunction (M1) emission limits in Table 107.A. |
| **Monitoring:** The permittee shall monitor all malfunction events that result in VOC emissions including identification of the equipment or activity that is the source of emissions. |
| **Recordkeeping:** * + - 1. To demonstrate compliance, each month records shall be kept of the cumulative total VOC emissions due to malfunction events during the first 12 months and, thereafter of the monthly rolling 12-month total of VOC emissions due to malfunction events.
			2. Records shall also be kept of the inlet gas analysis, the percent VOC of the gas based on the most recent gas analysis, of the volume of total gas vented in MMscf used to calculate the VOC emissions, a description of the event, and whether the emissions resulting from the event will be used toward the permitted malfunction emission limit or whether the event is reported as excess emissions of the pound per hour limits in Table 106.A (or the pound per hour limits in condition B110E, if applicable), under 20.2.7 NMAC.
			3. The permittee shall record the calculated emissions and parameters used in calculations in accordance with Condition B109, except the requirement in B109.E to record the start and end times of malfunction events shall not apply to the venting of known quantities of VOC. **[Exemption to record start & end times applies only to venting of fixed quantities of VOCs. Other SSM, e.g. flaring, must record start and end times.]**
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Combined SSM and Malfunction Emissions (VOCs)

**[delete these instructions: This is for venting or blowdown VOC/HAPs & uncontrolled H2S emissions less than 0.1 pph H2S only (facility wide point source H2S of less than 0.1 pph do not require modeling). Do not use this protocol for any other pollutants with ambient standards (e.g. flare emissions) except for H2S that is less than 0.1 pph contained in the gas vented and subject to this condition. Not having to determine the cause of the event and differentiating between SSM and Malfunctions applies only to combined SSM/M 10 tpy emission limit, and can not be waived for separate SSM or Malfunction limits, or for excess emissions reports when the limit is exceeded.]**

|  |
| --- |
| **Requirement:** * + - 1. **Compliance Method**

The permittee shall perform a facility inlet gas analysis once every year **[delete this instruction: or more frequent if gas is highly variable or if source is close to applicability cutoff]** and, on a monthly basis, complete the following monitoring and recordkeeping to demonstrate compliance with the allowable emission limits in Table 107.A for routine or predictable startup, shutdown, and maintenance (SSM); and/or malfunctions (M) herein referred to as SSM/M. * + - 1. **Emissions included in Permit Limit and/or Reported as Excess Emissions**
				1. All emissions due to routine or predictable startup, shutdown, and/or maintenance (SSM) must be included under and shall not exceed the 10 tpy SSM/M emission limit in this permit. For emissions due to malfunctions, the permittee has the option to report these as excess emissions of the pound per hour limits in Table 106.A (or the pound per hour limits in condition B110E, if applicable), in accordance with 20.2.7 NMAC, or include the emissions under the 10 tpy limit.
				2. Once emissions from a malfunction event are submitted in the final report (due no later than ten days after the end of the excess emissions event) per 20.2.7.110.A(2) NMAC, the event is considered an excess emission and cannot be applied toward the 10 tpy SSM/M limit in this permit.
			2. **Emissions Exceeding the Permit Limit**

If the monthly rolling 12-month total of SSM/M exceeds the 10 tpy emission limit, the permittee shall report the emissions as excess emissions in accordance with 20.2.7.110 NMAC.* + - 1. **Emissions Due to Preventable Events**

Emissions that are due entirely or in part to poor maintenance, careless operation, or any other preventable equipment breakdown shall not be included under the 10 tpy SSM/M emission limit. These emissions shall be reported as excess emissions of the pound per hour limits in Table 106.A (or the pound per hour limits in condition B110E, if applicable) in accordance with 20.2.7 NMAC. |
| **Monitoring:** The permittee shall monitor all SSM/M events.  |
| **Recordkeeping:** * + - 1. **Compliance Method**
				1. Each month records shall be kept of the cumulative total of all VOC emissions related to SSM/M during the first 12 months and, thereafter of the monthly rolling 12 month total of SSM/M VOC emissions. Any malfunction emissions that have been reported in a final excess emissions report per 20.2.7.110.A(2) NMAC, shall be excluded from this total.
				2. Records shall also be kept of the inlet gas analysis, the percent VOC of the gas based on the most recent gas analysis, and of the volume of total gas vented in MMscf used to calculate the VOC emissions.
				3. The permittee shall identify the equipment or activity and shall describe the event that is the source of emissions.
			2. **Emissions included Under Permit Limit or Reported as Excess Emissions**

The permittee shall record whether emissions are included under the 10 tpy permit limit for SSM/M or if the event is included in a final excess emissions report per 20.2.7.110.A(2) NMAC. * + - 1. **Condition B109 Records**

The permittee shall keep records in accordance with Condition B109 of this permit except for the following: * + - * 1. The requirement to record the start and end times of SSM/M events shall not apply to venting of known quantities of VOCs as long as the emissions do not exceed the SSM/M emission limit.
				2. The requirement to record a description of the cause of the event shall not apply to SSM/M events as long as the emissions do not exceed the SSM/M emission limit.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Combined SSM and Malfunction Emissions (VOCs & H2S) **[delete these instructions: This is for venting or blowdown VOC/HAPs, and H2S emissions equal to or GREATER than 0.1 pph H2S WHICH REQUIRES MODELING or Modeling Waiver. Do not use this protocol for any other pollutants with ambient standards (e.g. flare emissions with SOx limits that are determined using total sulfur, not just H2S). Not having to determine the cause of the event and differentiating between SSM and Malfunctions applies only to combined SSM/M 10 tpy or pph emission limits, and cannot be waived for separate SSM or Malfunction limits, or for excess emissions reports when the limit is exceeded.]**

|  |
| --- |
| **Requirement:** * + - 1. **Compliance Method**

The permittee shall meet the following requirements to demonstrate compliance with the allowable emission limits in Table 107.A for routine or predictable startup, shutdown, and maintenance (SSM); and/or malfunctions (M) herein referred to as SSM/M.* + - * 1. Limit the H2S content of the vented gas to 0.XX grains per 100 standard cubic feet (gr/100 scf) of gas vented **[delete this instruction: change to H2S content to the amount that was used to calculate H2S emissions]**
				2. Perform a facility inlet gas analysis once every year **[delete this instruction: or more frequent if gas is highly variable or if source is close to applicability cutoff]** that measures the VOC and H2S content of the vented gas
				3. Complete the monitoring and recordkeeping required by this condition
			1. **Emissions included in Permit Limit and/or Reported as Excess Emissions**
				1. All emissions due to routine or predictable startup, shutdown, and/or maintenance (SSM) must be included under and shall not exceed the SSM/M emission limits in this permit. For emissions due to malfunctions, the permittee has the option to report these as excess emissions of the pound per hour limits in Table 106.A (or the pound per hour limits in condition B110E, if applicable), in accordance with 20.2.7 NMAC, or include the emissions under the 10 tpy limit.
				2. Once emissions from a malfunction event are submitted in the final report (due no later than ten days after the end of the excess emissions event) per 20.2.7.110.A(2) NMAC, the event is considered an excess emission and cannot be applied toward the SSM/M limits in this permit.
			2. **Emissions Exceeding the Permit Limit**

If the pound per hour (pph) SSM/M emissions and/or the ton per year (tpy) SSM/M emissions exceed the permitted emission limits, the permittee shall report the emissions as excess emissions in accordance with 20.2.7.110 NMAC.* + - 1. **Emissions Due to Preventable Events**

Emissions that are due entirely or in part to poor maintenance, careless operation, or any other preventable equipment breakdown shall not be included under the permitted SSM/M emission limits. These emissions shall be reported as excess emissions of the pound per hour limits in Table 106.A (or the pound per hour limits in condition B110E, if applicable) in accordance with 20.2.7 NMAC. |
| **Monitoring:** The permittee shall monitor all SSM/M events.  |
| **Recordkeeping:** * + - 1. **Compliance Method**
				1. Each month records shall be kept of the cumulative total of all VOC emissions related to SSM/M during the first 12 months and, thereafter of the monthly rolling 12 month total of SSM/M VOC emissions. Any malfunction emissions that have been reported in a final excess emissions report per 20.2.7.110.A(2) NMAC, shall be excluded from this tpy total.
				2. For each venting event that is at or exceeds the maximum volume of gas used to establish the H2S pph emission limit, the permittee shall calculate and record the maximum pph emission rate of H2S using the total volume of the gas that was vented in an hour and the H2S content of the gas based on the most recent gas analysis. A copy of the permit application calculations used to determine the maximum volume of gas used to establish the H2S pph emission limit and records of the venting event H2S calculations shall be kept.
				3. Records shall also be kept of the inlet gas analysis, the weight percent VOC of the gas based on the most recent gas analysis; the volume of total gas vented in MMscf used to calculate the VOC emissions; and the total grains of H2S/100 scf of gas based on the most recent gas analysis. Records of venting events, including the date and volume shall be made available upon request.
				4. The permittee shall identify the equipment or activity and shall describe the event that is the source of emissions.
			2. **Emissions included Under Permit Limit or Reported as Excess Emissions**

The permittee shall record whether emissions are included under the permitted limit SSM/M emission limits or if the event is included in a final excess emissions report per 20.2.7.110.A(2) NMAC. * + - 1. **Condition B109 Records**

The permittee shall keep records in accordance with Condition B109 of this permit except for the following: * + - * 1. The requirement to record the start and end times of SSM/M events shall not apply to venting of known quantities of VOCs and H2S as long as the emissions do not exceed the SSM/M emission limits.
				2. The requirement to record a description of the cause of the event shall not apply to SSM/M events as long as the emissions do not exceed the SSM/M emission limits.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

* 1. Facility: Hours of Operation
1. This facility is authorized for continuous operation. Monitoring, recordkeeping, and reporting are not required to demonstrate compliance with continuous hours of operation.

**OR**

|  |
| --- |
| **Requirement:** This Facility, including all permitted equipment and related activities such as truck traffic involving movement of feedstock or product, is restricted to operate no more than XX hours per day, X days per week and XXXX hours per year. [IF APPROPRIATE ADD…] Additionally, the plant may only operate between the daylight hours of sunrise and sunset. See the daylight definition in Section C101. |
| **Monitoring:** [As appropriate ADD….] Daily, the permittee shall monitor the hours of operation. |
| **Recordkeeping:** [As appropriate ADD….] Each calendar week, the permittee shall calculate the weekly total for the production hours in which the facility operates. The permittee shall calculate the weekly rolling 52-week total production hours for the facility. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

OR

|  |
| --- |
| **Requirement:** This facility is authorized for XXX hours per year of operation. |
| **Monitoring:**  |
| **Recordkeeping:** The permittee shall maintain records in accordance with Section B109.  |
| **Reporting:** The permittee shall report in accordance with Section B110.  |

1. Facility Throughput **(as required)**

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Facility: Reporting Schedules (20.2.70.302.E NMAC)

[Reports of required monitoring must be submitted at least every 6 months, but may be required more frequently depending on the individual facility. These reports are due to the Department within 45 days of the end of the permittee's reporting period (see 20.2.70.302.E(1)&(3) NMAC). Make a separate entry for each different submittal date. An example schedule is shown below:]

1. A Semi-Annual Report of monitoring activities is due within 45 days following the end of every 6-month reporting period. The six month reporting periods start on month 1st and month 1st of each year. **[For new title V: enter month permit is issued. For TV renewal: enter 1st of months corresponding to the existing schedule]**
2. The Annual Compliance Certification Report is due within 30 days of the end of every 12-month reporting period. The 12-month reporting period starts on month 1st of each year. **[for New Title V: enter Month permit is issued. For TV Renewal: enter 1st of month corresponding to existing schedule]**
	1. Facility: Fuel and Fuel Sulfur Requirements (as required)
3. Fuel and Fuel Sulfur Requirements (Units X, Y, and X

|  |
| --- |
| DELETE IF NOT APPLICABLE OR EDIT AS NECESSARY. IF APPLICABLE CITE APPLICABLE REQUIREMENT THAT ESTABLISHES THE AUTHORITY TO INCLUDE THIS CONDITION, SUCH AS NSR OR PTE REPRESENTATION IN APPLICATION. **When there are inherent limitations on the sulfur content this condition is not necessary.** SULFUR REQUIREMENTS THAT DON’T APPLY TO THE ENTIRE FACILITY SHOULD BE ADDRESSED UNDER EQUIPMENT SPECIFIC REQUIREMENTS.]**Requirement:** All combustion emission units shall combust only natural gas containing no more than XX.X grains of total sulfur per 100 dry standard cubic feet [OR] natural gas as defined in this permit [OR]  The sulfur content of the fuel oil shall not exceed XXX% sulfur by weight.  [OR If there is a condition limiting fuel to diesel or No. 2 fuel oil with reduced sulfur content, then use this language:] Requirement: All combustion emissions units shall combust only Diesel Fuel or No. 2 Fuel Oil. The sulfur content of the fuel shall not exceed XXX% sulfur by weight. |
| **Monitoring:** None. Compliance is demonstrated through records. |
| **Recordkeeping:** * + - 1. [DELETE IF NOT APPLICABLE OR EDIT AS NECESSARY] The permittee shall demonstrate compliance with the natural gas or fuel oil limit on total sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the gaseous or liquid fuel, or fuel gas analysis, specifying the allowable limit or less.
			2. If fuel gas analysis is used, the analysis shall not be older than [CHOOSE ONE] six months, one year.
			3. Alternatively, compliance shall be demonstrated by keeping a receipt or invoice from a commercial fuel supplier, with each fuel delivery, which shall include the delivery date, the fuel type delivered, the amount of fuel delivered, and the maximum sulfur content of the fuel.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

* 1. Facility: 20.2.61 NMAC Opacity (as required)

**[Delete this Note 20.2.37 NMAC was repealed by the EIB. Therefore, 20.2.61 NMAC would apply unless exempt pursuant to another state regulation per 20.2.61.109 NMAC]**

1. 20.2.61 NMAC Opacity Requirements (Units X, Y, and X)

|  |
| --- |
| [use if permit does not allow alternative fuels and facility runs on natural gas only] **Requirement:** Visible emissions from all stationary combustion emission stacks shall not equal or exceed an opacity of 20 percent in accordance with the requirements at 20.2.61.109 NMAC. |
| **Monitoring:** * + - 1. Use of natural gas fuel constitutes compliance with 20.2.61 NMAC unless opacity equals or exceeds 20% averaged over a 10-minute period. When any visible emissions are observed during operation other than during startup mode, opacity shall be measured over a 10-minute period, in accordance with the procedures at 40 CFR 60, Appendix A, Reference Method 9 (EPA Method 9) as required by 20.2.61.114 NMAC, or the operator will be allowed to shut down the equipment to perform maintenance/repair to eliminate the visible emissions. Following completion of equipment maintenance/repair, the operator shall conduct visible emission observations following startup in accordance with the following procedures:
				1. Visible emissions observations shall be conducted over a 10-minute period during operation after completion of startup mode in accordance with the procedures at 40 CFR 60, Appendix A, Reference Method 22 (EPA Method 22). If no visible emissions are observed, no further action is required.
				2. If any visible emissions are observed during completion of the EPA Method 22 observation, subsequent opacity observations shall be conducted over a 10-minute period, in accordance with the procedures at EPA Method 9 as required by 20.2.61.114 NMAC.

For the purposes of this condition, *Startup mode* is defined as the startup period that is described in the facility’s startup plan. |
| **Recordkeeping:** * + - 1. If any visible emissions observations were conducted, the permittee shall keep records in accordance with the requirements of Section B109 and as follows:
				1. For any visible emissions observations conducted in accordance with EPA Method 22, record the information on the form referenced in EPA Method 22, Section 11.2.
				2. For any opacity observations conducted in accordance with the requirements of EPA Method 9, record the information on the form referenced in EPA Method 9, Sections 2.2 and 2.4.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

OR

1. 20.2.61 NMAC Opacity Requirements (Units X, Y, and X)

|  |
| --- |
| **[Use this condition for all diesel fueled engines]****Requirement:** Visible emissions from all emission stacks of all **compression ignition** engines shall not equal or exceed an opacity of 20 percent in accordance with the requirements at 20.2.61.109 NMAC. |
| **Monitoring:** (1) For compression ignition engines that are used to generate facility power and/or used for facility processing and **are not** emergency, black start, or limited use engines as defined at 40 CFR 63, Subpart ZZZZ, the permittee shall, at least once every [30, 60 , 90] days of operation, measure opacity on each Unit for a minimum of 10 minutes in accordance with the procedures of 40 CFR 60, Appendix A, Method 9. The permittee shall also measure opacity on a Unit’s emissions stack when any visible emissions are observed during steady state operation. **[choose either option (1) or (2). If facility has both, list the specific units numbers in options (1) and (2)]**(2) For emergency, standby, or limited use compression ignition engines that operate on a limited basis, the permittee shall, at least once during any year that the unit is operated and no less frequently than once every 5 years regardless of unit operation, measure opacity during steady state operation on each Unit for a minimum of 10 minutes in accordance with the procedures of 40 CFR 60, Appendix A, Method 9. The permittee shall also measure opacity on a Unit’s emissions stack anytime when visible emissions are observed during steady state operation. (3) Alternatively for any compression ignition engine, if visible emissions are observed during steady state operation, within 1 hour of seeing visible emissions, the permittee shall shut down the engine and perform maintenance and/or repair to eliminate the visible emissions. Following completion of equipment maintenance and/or repair, the permittee shall conduct visible emission observations following startup in accordance with the following procedures:* + - * 1. Visible emissions observations shall be conducted over a 10-minute period during operation after completion of startup mode in accordance with the procedures at 40 CFR 60, Appendix A, Reference Method 22 (EPA Method 22). If no visible emissions are observed, no further action is required.
				2. If any visible emissions are observed during completion of the EPA Method 22 observation, subsequent opacity observations shall be conducted over a 10-minute period, in accordance with the procedures at EPA Method 9 as required by 20.2.61.114 NMAC.

For the purposes of this condition, *Startup mode* is defined as the startup period that is described in the facility’s startup plan. |
| **Recordkeeping:** * + - 1. If any visible emissions observations were conducted, the permittee shall keep records in accordance with the requirements of Section B109 and as follows:
			2. For any visible emissions observations conducted in accordance with EPA Method 22, record the information on the form referenced in EPA Method 22, Section 11.2.
			3. For any opacity observations conducted in accordance with the requirements of EPA Method 9, record the information on the form referenced in EPA Method 9, Sections 2.2 and 2.4.

**[Delete the following if the unit is not an emergency, black start or limited use engine.]*** + - 1. For each emergency, black start, and limited use compression ignition engine, the permittee shall also record the number of operating hours per year of each Unit and the reason for operating the unit.
 |
| **Reporting:**  The permittee shall report in accordance with Section B110. |

OR

1. 20.2.61 NMAC Opacity Requirements (Units X, Y, and X)

|  |
| --- |
| **Requirement:** **[use if alternative fuels are allowed by the permit]**Visible emissions from all stationary combustion emission stacks shall not equal or exceed an opacity of 20 percent.  |
| **Monitoring:** Use of natural gas fuel or natural gas liquids constitutes compliance with 20.2.61 NMAC unless opacity equals or exceeds 20% averaged over a 10-minute period. At such time as fuel other than natural gas or natural gas liquids is used, or when any visible emissions are observed during steady state operation, opacity shall be measured over a 10-minute period in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC. Opacity measurements shall continue on a quarterly basis per calendar year for each affected unit until such time as natural gas or natural gas liquids are used. |
| **Recordkeeping:** The permittee shall record dates and duration of use of any fuels other than natural gas or natural gas liquids and the corresponding opacity readings. The opacity measures and readings shall be recorded in accordance with Method 9 in 40 CFR 60, Appendix A.  |
| **Reporting:** The permittee shall report in accordance with Section B110. **[If engines burn diesel fuel, certification of grade and characteristics as stated in permit application for fuel used during the period shall be reported.]** |

* 1. Alternative Operating Scenario (as required)
1. [If the permittee has applied for alternative operating scenarios, which have been approved by the Department, insert the following language:] The permittee shall operate this facility in such manner that all applicable requirements and the requirements of 20.2.70 NMAC are met regardless of what scenario the facility is operating under. (20.2.70.302.A.3 NMAC)
2. Alternative Operating Scenario 1: [Describe the alternative operating scenario**]**
	1. Compliance Plan (as required and to include enforcement action requirements)

(20.2.70.302.G.2 NMAC)

[This section is optional; if there is further information that the Department wants the source to submit concerning how the source determines its compliance status, it should be inserted here.]

1. The permittee shall submit the following information concerning the compliance status of this facility: (20.2.70.302.G.3 NMAC)
2. [If the source is required to have a compliance plan and schedule, pursuant to 20.2.70.300.D.11 NMAC, the following language should be put in the permit:] Compliance Activities: The permittee shall perform the following activities in order to bring the permitted facility into compliance with the requirements of [insert the applicable requirements]

[Put in a narrative description of the compliance plan submitted as part of the permit application. This plan should be amended as necessary by the permit writer to assure that by meeting the goals of the plan, the source will in fact come into compliance with all applicable requirements. You may be able to attach the compliance plan submitted by the permittee if it is acceptable to the bureau.]

1. The permittee shall meet the deadlines in the following schedule of compliance: [Put in a schedule of remedial measures, including an enforceable sequence of actions with milestones, that will lead to the source coming into compliance with all applicable requirements. This schedule should be taken from the one submitted with the permit application and amended by the permit writer as necessary. You may be able to combine this section with the previous one.]
2. The permittee shall submit compliance schedule progress reports to the Department every XXX months. [at least every 6 months] These progress reports shall, at a minimum contain the following information:
	1. Applicable requirement(s),
	2. Scheduled dates for achieving activities, milestones or compliance,
	3. Actual dates that activities, milestones or compliance were achieved,
	4. Explanation of any actual or anticipated schedule slips,
	5. Statement of any preventive or corrective measures that were put into place,
	6. Any other information requested by the Department.
	7. Governing Requirements During Source Construction, Source Removal, and/or Change in Emissions Control

[If **this is the first permit for this facility OR the permitting situation does not warrant including this condition, add – ‘not required’ to header A114 and delete this condition(s)**]

1. ReducingFacilityEmissions [This is required for any permit that reduces overall emissions by removing equipment, adding controls, or reducing production/capacity.]

|  |
| --- |
| **Requirement:** This condition specifies any actions and/or deadlines required by the permittee during the transition between effective air quality permits. This condition also ensures compliance with any federally enforceable emissions reductions required by the air quality permit(s) in effect. Conditions and requirements in the previous permit specified as applicable in this permit are incorporated into this permit by reference.* + - 1. Permit Number NSRxxxMx or P0XX-M1 [enter permit number from which this deadline begins/began] requires[ed] that the following actions be completed by the specified deadlines:
				1. The permittee shall remove [OR decommission] these sources: [list units numbers from the old regulated equipment Table] no later than [the issuance date of the air quality permit cited in this condition, OR XXX days from the issuance date of the air quality permit cited in this condition, OR list a specific date. NOTE TO PERMIT WRITER AND APPLICANT: Propose a reasonable and realistic deadline(s). Each action may have different deadlines. The permit writer should probably ask this question before sending out the draft permit since it may take time for the applicant to figure it out. But if you forget or you are behind, you can ask them during draft permit review using this comment.].

 [OR]* + - 1. Permit Number NSRxxxMx [enter permit number from which this deadline begins/began] requires[ed] that the following actions be completed by the specified deadlines.
				1. The permittee shall remove [OR decommission] these sources: [list units numbers from the old regulated equipment Table] no later than [the issuance date of the air quality permit cited in this condition, OR XXX days from the issuance date of the air quality permit cited in this condition, OR list a specific date.]; and
				2. shall install this control equipment no later than [the issuance date of…, XXX days…, OR list specific date]: [list control equipment unit numbers from Table 105.A and their respective regulated units from Table 106.A]; and
				3. (3) shall reduce, no later than [the issuance date of…, XXX days…, OR list date, Examples – the production rate for Unit XYZ from X tph to X tph / OR limit on annual heat rate capacity (MMBtu/year) of Unit XYX].
			2. Extension of any deadline(s) in this condition may be requested in writing prior to the deadline addressed to the Department’s Permit Programs Manager and shall include the permit, condition, and unit numbers and the proposed new deadline in accordance with 20.2.72.219.B(4)(b) NMAC. The Department may determine a 20.2.72.219.D revision is required.
 |
| **Monitoring:** The permittee shall monitor the startup and shut down date(s) of all units governed by this condition. |
| **Recordkeeping:** The permittee shall record the source and/or control equipment Unit number, their action deadlines required by this condition, the actual dates that each action was completed.  |
| **Reporting:** Upon completion of each action, the permittee shall submit the records required by this condition to the Manager, Compliance and Enforcement Section within fifteen (15) days and shall meet the reporting requirements at Section B110.  |

1. ConstructionOperatingScenarios **[If the facility requires temporary operation of to-be-removed old equipment while they transition to new equipment/operations. Delete this condition if this is the first permit for this facility.**

|  |
| --- |
| **Requirement:** This condition specifies the governing permit conditions and/or operating requirements for this facility during the transition between effective air quality permits and is required to demonstrate compliance with ambient air quality standards. * + - 1. ConstructionOperating Scenario 1(Units X, Y, and Z from this permit)[Copy this construction scenario for each additional construction scenario(s) required and paste within this Requirement box.]
				1. PermitRequirements for Existing Equipment To be Removed: Up until the earliest date of the permanent cessation of operations or removal/decommissioning of the source(s) listed in Condition A100.D the permittee shall continue to meet all applicable emission limits and other permit conditions that apply to those regulated sources found in Permit Number [list most recent NSR or TV permit number]. If a source that is required to be removed/decommissioned per Condition A100.D has permanently ceased operations at this facility, the permittee is not required to start up the source to complete any periodic monitoring/testing that may be required by the cited permit.
				2. SimultaneousOperation of Existing, To-be-Removed and New Equipment: The permittee shall not start up new Units X, Y, Z [list new unit number(s)] until existing Units a, b [list unit numbers of sources to be removed] have permanently ceased operations.

OR The permittee may operate two, three, ? [to protect ambient standards, determine appropriate number of existing and new units that can be operated at the same time based on allowable emission limits and/or modeling] of any of the following new Units [list unit numbers] for up to X number of days OR X number of hours simultaneously with existing Unit numbers a, b. Once the existing units permanently cease operations, the new units are no longer subject to these simultaneous operating limitations. [This condition is based on the applicant’s demonstration of compliance in periods of simultaneous operation. Include any associated increase in emissions in Table 106.A or 107.A]* + - 1. Extension of any deadline(s) in this condition may be requested in writing prior to the deadline addressed to the Department’s Permit Programs Manager and shall include the permit, condition, and unit numbers and the proposed new deadline in accordance with 20.2.72.219.B(4)(b) NMAC. The Department may determine a 20.2.72.219.D revision is required.
			2. The operations authorized or limited by this permit condition do not authorize the owner/operator to operate the facility as a Title V or Prevention of Significant Deterioration (PSD) source, unless approved otherwise by regulation or an applicable air quality permit. The permittee shall ensure that the actual ton per year emissions from the entire facility do not result in a significant emissions increase or net significant emissions increase in accordance with 20.2.74.200 NMAC – Prevention of Significant Deterioration, unless already reviewed by the Department and/or authorized by a new source review construction permit.
 |
| **Monitoring:** The permittee shall monitor the startup and shut down date(s) of all units governed by this condition. |
| **Recordkeeping:** For each source subject to this permit condition, the permittee shall record:* + - 1. the date of permanent cessation of each source;
			2. the date of removal (or decommissioning) of each source; and
			3. the beginning and end dates of each simultaneous operation of existing and new units.
 |
| **Reporting:** * + - 1. For each Operating Scenario and upon completion of all Operating Scenarios, the permittee shall report the date of completion of the associated modification(s) and the status of completion of any remaining operating scenario(s) in accordance with Section B105.C.
			2. These reports shall be submitted within sixty days of completion of each Operating Scenario, and within sixty days of completion of all Operating Scenarios.
 |

1. CompliancewithPSDNettingRequirements (use for PSD applications with netting. If this is not a PSD application with netting, delete this condition. If this is a nonattainment application, revise the regulatory citations to reflect 20.2.79 NMAC.)

|  |
| --- |
| **Requirement:** * + - 1. To avoid Prevention of Significant Deterioration (PSD) permitting, permit number **[enter number]** was issued based upon creditable and contemporaneous emissions decreases that offset emissions increases. To ensure these emissions decreases are creditable in accordance with 20.2.74.7.AL(3) and (6) NMAC, the following requirements must be met **[delete any requirements that do not apply or edit as necessary] [change the tpy limits in emission limit table to those used to net out]**:
			2. [Use this condition if netting relied upon removal of units] Operation of the following removed or replaced unit(s) **[list removed/replaced units]** shall cease on or before the date that the following new unit(s) begin operating **[list new units]**.
			3. [Use this condition if netting relied upon reduction of emissions of old and/or new unit(s). Old or new units under an emission cap are considered a single source for purposes of this condition. Any relaxation of emissions based on an enforceable limitation on the capacity of the source must comply with 20.2.74.300.D NMAC.] The permittee shall reduce the actual ton per year emission rates **[or combined tpy rate, OR annual heat rate capacity, or annual production rate….]** to ensure compliance with those limit(s) in Table 106.A for **[list pollutants]** for Unit number(s) **[list existing unit numbers]** on or before the following units begin operating **[OR increase in production rate or capacity] [list unit numbers. Are new or have increased capacity]**.
 |
| **Monitoring:** The permittee shall monitor the following: [update this section] date of commencement and completion of physical changes to the units as described above, the associated emissions decreases and increases as well as any associated net emission increase or decrease during the construction of the modification(s). |
| **Recordkeeping:** To document the creditable decrease and increase in emissions, the permittee shall record the final date of operation of each removed/replaced unit and its baseline actual emission rate used in netting, shall record the date each new unit commences operation and its potential emission rate and the associated net emission increase or decrease. These records shall be made available upon request. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

EQUIPMENT SPECIFIC REQUIREMENTS

[To maintain numbering, the permit writer must maintain all sections above that are not used; all sections following the inclusion of required requirements are to be deleted. For example, if this permit is an asphalt plant, complete Section A300 Construction Industry, and enter “- Not Required” after the A200 header for Oil and Gas Industry.  All sections following A300 are to be deleted as well. Within the A300 section maintain the numbering for the equipment as well.  For example, if there is no engine, at A301 header enter – “Not Required” and enter the requirement at A302 for the drum mixer or batch plant and so on. After all requirements have been entered, all remaining headers can be deleted below the last requirement.]

Link to Monitoring Protocols folder in aurora:

[P:\AQB-Permits-Section\NSR-TV-Common\Monitoring Protocols](file:///P%3A/AQB-Permits-Section/NSR-TV-Common/Monitoring%20Protocols)

[..\..\Permits-Section-Read-Write\Miscellaneous Monitoring examples & not final](file://AURORA/aqb/AQB-Permits-Section/Permits-Section-Read-Write/Miscellaneous%20Monitoring%20examples%20%26%20not%20final)

Oil and Gas Industry

* 1. Oil and Gas Industry
1. This section has common equipment related to most Oil and Gas Operations.
	1. Engines
2. Maintenance and Repair Monitoring (Unit(s) X, Y, and Z)

|  |
| --- |
| **Requirement:** Compliance with the allowable emission limits in Table 106.A shall be demonstrated by properly maintaining and repairing the units. |
| **Monitoring:** Maintenance and repair shall meet the minimum manufacturer's or permittee's recommended maintenance schedule. Activities that involve maintenance, adjustment, replacement, or repair of functional components with the potential to affect the operation of an emission unit shall be documented as they occur for the following events:* + - 1. Routine maintenance that takes a unit out of service for more than two hours during any twenty-four hour period.
			2. Unscheduled repairs that require a unit to be taken out of service for more than two hours in any twenty-four hour period.
 |
| **Recordkeeping:** The permittee shall maintain records in accordance with Section B109, including records of maintenance and repairs activities and a copy of the manufacturer’s or permittee’s recommended maintenance schedule.  |
| **Reporting:** The permittee shall report in accordance with Section B110.  |

* 1. Glycol Dehydrators

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Tanks

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Heaters/Boilers

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Turbines

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Flares

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

|  |
| --- |
| **Requirement:**  |
| **Monitoring:** |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Sulfur Recovery Unit

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Amine Unit

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Fugitives

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Acid Gas Injection

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Miscellaneous (change name as needed)

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

Construction Industry

* 1. Construction Industry – Aggregate
	2. Construction Industry – Asphalt
	3. Construction Industry - Concrete
1. This section has common equipment related to most Crusher/Screening/ Asphalt/Concrete Operations.

[Copy sub-headers from NSR template, as needed, keeping the same sequence numbers.]

Power Generation Industry

* 1. Power Generation Industry – Not Required
1. This section has common equipment related to most Electric Service Operations (SIC-4911).
	1. Turbines

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Duct Burner/Heat Recovery Stream Generator (HRSG)

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Boilers

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Duct Burner/Heat Recovery Stream Generator (HRSG)

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Engines
1. Periodic Emissions Testing

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Heaters

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Cooling Towers

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Haul Roads/Storage piles (Coal-Fired Plants)

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Baghouses
	2. Tanks

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

Solid Waste Disposal (Landfills) Industry

* 1. Solid Waste Disposal (Landfills) Industry – Not Required
1. This section has common equipment related to most Landfill Operations.
	1. General Landfill Operations and NMOC Emissions

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Haul Road Operations

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Landfill Gas Collection System

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Enclosed Landfill Gas Flare (NMOC Emissions Control)

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Petroleum Contaminated Soils Landfarm

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Microturbine Generator and Engines

|  |
| --- |
| **Requirement:**  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

Miscellaneous Industry (change name as needed or not required)

* 1. Miscellaneous Operations Introduction
1. This section has common equipment related to most miscellaneous Operations.

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

Miscellaneous Documents (change name as needed or not required)

* 1. 40 CFR 64, Compliance Assurance Monitoring (CAM) Plan (change name as needed or not required)
1. 40 CFR 64, Compliance Assurance Monitoring (CAM) Plan

|  |
| --- |
| **Requirement:** |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

**PART B GENERAL CONDITIONS (Attached)**

**PART C MISCELLANEOUS: Supporting On-Line Documents; Definitions; Acronyms (Attached)**

[DO NOT PRINT GENERAL CONDITIONS AND MISCELLANEOUS UNITL YOU SUBMIT FINAL DOCUMENT FOR SIGNATURE.

FINAL DOCUMENT MUST HAVE PERMIT NUMBER IN HEADER FOR LEGAL REASONS AND IT MUST BE SINGLE SIDED LIKE THE PERMIT.]