**AIR QUALITY BUREAU**

**NEW SOURCE REVIEW PERMIT**

**Issued under 20.2.72 NMAC**

Note to Applicant for Draft Permit Reviews: The AQB 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.  If AQB makes additional changes, and as 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

**NSR Permit No:** xxx-xx

**Facility Name:** X

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

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

 applicant’s name as the permittee

**Mailing Address:** Address

 City, State Zip Code

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

**AIRS No:** 35 XXXXXXXXXX

**Permitting Action: Type of Action e.g.** Significant Permit Revision

Source Classification: [Minor, Synthetic Minor, Synthetic Minor > 80, TV Major, PSD Major]

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

**County:** County [Delete line if Portable]

**Air Quality Bureau Contact** Permit Writer

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

**Liz Bisbey-Kuehn Date**

**Bureau Chief**

**Air Quality Bureau**

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

File Name: NSR\_Permit\_Parta\_Master

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**PART B GENERAL CONDITIONS (Attached)**

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

Part A FACILITY SPECIFIC REQUIREMENTS

* 1. Introduction
1. [If this permit is a modification use this language]This permit, NSR xxxMx,supersedes all portions of Air Quality Permit xxx, issued date, except portions requiring compliance tests. Compliance test conditions from previous permits, if not completed, are still in effect, in addition to compliance test requirements contained in this permit. [For new permit use this.] This is a new permit.

[Delete this note below and the following condition if the permit fee has been paid at permit issuance. The permit writer must verify if the permit fee invoiced with the completion letter has been paid. If not, speak to your manager since regulation allows that the permit not be issued if permit fee is not paid. Alternatively, this fee condition can be included in the permit.]

1. Fee Requirement: This permit is not effective until the Department receives the permit fee specified in the attached invoice. Pursuant to 20.2.75.12 NMAC, the permittee shall pay this invoice no later than thirty (30) days after the permit issue date (invoicing), unless the Department has granted an extension. The permit fee must be paid by this date regardless of the permittee’s intended use or non-use of the permit or of the Department’s cancellation of the permit. The permittee’s failure to pay this fee when due will automatically void the permit and the Department may initiate enforcement action to collect the fee and assess a civil penalty for non-payment. The permittee shall not construct the equipment [ (list unit no.s subject to the action, if all equip, just cite equip Table) in Table 104.A. (DELETE THIS IF NO EQUIP ADDS OR CHANGES)] [and/or implement the operation specified in Specific Condition(s) (list each condition changed/added in the action) (DELETE THIS IF NO CONDITIONS WERE ADDED OR MODIFIED] before the date that the Department receives the permit fee in full. The Department may initiate enforcement action for injunctive relief and civil penalties for any construction or operation specified in [LIST Specific Conditions AND/OR EQUIPMENT] if the permit fee is not paid by the due date.
2. [Include this condition 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 THESE REQUIREMENTS.]

* 1. Permit Duration (expiration)
1. The term of this permit is permanent unless withdrawn or cancelled by the Department.
	1. Facility: Description
2. The function of the facility is to [**Description]**.
3. This facility is located approximately XX miles DIRECTIONof CITY, New Mexico in COUNTY County.
4. [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.
5. Tables 102.A and Table 102.B show the total potential emission rates (PER) from this facility for information only. This is not an enforceable condition and excludes emissions from Minor NSR exempt activities per 20.2.72.202 NMAC.

| **Table 102.A: Total Potential Emission Rate (PER) 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 |  |
| Sulfur Dioxide (SO2) | X.0 |
| Particulate Matter 10 microns or less (PM10) |  |
| Particulate Matter (PM)2 [Include PM in TV & PSD permits only] |  |
| 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

| **Table 102.B: Total Potential Emissions Rate (PER) 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
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.** |
| 20.2.1 NMAC General Provisions | X |  |
| 20.2.3 NMAC Ambient Air Quality Standards | X |  |
| 20.2.7 NMAC Excess Emissions  | X |  |
| 20.2.61 NMAC Smoke and Visible Emissions | X |  |
| 20.2.70 NMAC Operating Permits | X |  |
| 20.2.71 NMAC Operating Permit Emission Fees | X |  |
| 20.2.72 NMAC Construction Permit | X |  |
| 20.2.73 NMAC Notice of Intent and Emissions Inventory Requirements | X |  |
| 20.2.74 NMAC Permits – Prevention of Significant Deterioration (PSD) | X |  |
| 20.2.75 NMAC Construction Permit Fees | X |  |
| 20.2.77 NMAC New Source Performance Standards | X | Units subject to 40 CFR 60 |
| 20.2.78 NMAC Emissions Standards for Hazardous Air Pollutants | X | Units subject to 40 CFR 61 |
| 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 |  |
| 40 CFR 60, Subpart A, General Provisions | X |  |
| 40 CFR 60, Subpart Kb | X |  |
| 40 CFR 60, Subpart I | X |  |
| 40 CFR 60, Subpart OOO | X |  |
| 40 CFR 60, Subpart IIII | X |  |
| 40 CFR 60, Subpart JJJJ | X |  |
| 40 CFR 60, Subpart KKK | X |  |
| 40 CFR 60, Subpart OOOO | X |  |
| 40 CFR 60, Subpart OOOOa | X |  |
| 40 CFR 63, Subpart A, General Provisions | X |  |
| 40 CFR 63, Subpart HH | X |  |
| 40 CFR 63, Subpart ZZZZ | X |  |
| Settlement Agreement |  |  |

* 1. Facility: Regulated Sources
1. Table 104.A lists the emission units authorized for this facility. Emission units identified as exempt activities (as defined in 20.2.72.202 NMAC) and/or equipment not regulated pursuant to the Act are not included. **[Note: Do not include VOC 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?? |  |  |  |

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 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 control equipment.

[Identify all control equipment and the controlled units numbers in Table 105. List the specific monitoring protocol language and conditions requiring operation, maintenance of control device, etc., in Section A200 at the equipment specific level.]

| **Table 105: Control Equipment List:** |
| --- |
| **Control Equipment Unit No.** | **Control Description** | **Pollutant being controlled** | **Control for Unit Number(s)1** |
| 1 |  |  |  |
| 2 |  |  |  |

1. Control for unit number refers to a unit number from the Regulated Equipment List

* 1. Facility: Allowable Emissions
1. The following Section lists the emission units and their allowable emission limits. (40 CFR 50, 40 CFR 60, Subparts A and XYZ, 20.2.72.210.A and B.1 NMAC).

[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.]

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.

| **Unit No.** | **NOx1 pph** | **NOx1tpy** | **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 For Title V facilities, the 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 of this pollutant are not expected.

 “<” 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. The Department determined that allowable mass emission limits were not required for this unit and this pollutant. **[Note to permit writer: 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 B110F.

[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. Example provided below]**

1. Unit X, nitrogen dioxide emissions shall not exceed 150 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 SSM emission limits are not required for this facility since the SSM emissions are predicted to be less than the limits established in Table 106A. The permittee shall maintain records in accordance with Condition B109.C.

[use this language in place of condition A107.A above if SSM emissions from blowdown, pigging, or flaring are reported and approved as NSR exempt] Allowable emission limits for routine or predictable SSM emissions are not imposed at this time. The permittee certified that routine or predictable SSM emissions are an exempt activity per 20.2.72.202.B(5) NMAC. The permittee shall notify the Department in accordance with Condition B110.C(2), if there is a change to the regulatory status of any routine or predictable SSM emissions from the facility. The permittee shall maintain records in accordance with Condition B109.C.

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] | 1Compressor & Associated Piping Blowdowns [or unit/type activity] during Routine and Predictable Startup, Shutdown, and/or Maintenance (SSM) | X | X | X |
| M | 1Venting of Gas Due to Malfunction | X | X | X |
| OR [delete un-needed rows]SSM/M | 1Venting of Gas Due to SSM and Malfunction | X | X | X |

1. 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]

2. To report excess emissions for sources with no pound per hour and/or ton per year emission limits, see condition B110F.

**[PLEASE NOTE - Do not enter Flare emission limits in Table 107.A unless you first enter Flare Pilot/Purge- limits in Table 106.A.** The pilot and/or purge gas flaring emission rates listed in Table 106.A are also included under the flaring emission limits in Table 107.A. Separate 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 General Conditions B101.F and B107.A.
2. SSM Emissions **[for venting of gas, add other pollutants, such as H2S and/or HAPs as required**]

|  |
| --- |
| **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 of VOC emissions during the first 12 months and, thereafter of the monthly rolling 12 month total VOC emissions.
			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 demonstrated compliance in accordance with Condition B109, except the requirement in B109.C 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 for variable gas] and complete the following recordkeeping to demonstrate compliance with malfunction (M) 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 of VOC emissions during the first 12 months and, thereafter of the monthly rolling 12 month total VOC emissions.
			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, 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 B110F, if applicable), under 20.2.7 NMAC.
			3. The permittee shall record the demonstrated compliance in accordance with Condition B109, except the requirement in B109.C 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 cannot be waived for separate SSM or Malfunction limits, or for excess emissions reports when the limit is exceeded.]**

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

The permittee shall perform a facility inlet gas analysis once every year based on a calendar year **[delete this instruction: or more frequent if gas is highly variable or if source is close to applicability cutoff].** On a monthly basis, the permittee shall 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 B110F, 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 B110F, 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 weight 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.]**

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| **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 based on a calendar 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 B110F, 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 B110F, 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: Allowable Operations
1. This facility is authorized for continuous operation. Monitoring, recordkeeping, and reporting are not required to demonstrate compliance with continuous hours of operation.

**OR**

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| **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.  |

OR

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| **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. |

1. Facility Throughput (as required)

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

* 1. Facility: Reporting Schedules
1. The permittee shall report according to the Specific Conditions and General Conditions of this permit.

[DO NOT bring over Semi-Annual monitoring reports and Annual Compliance Certification reports from Title V permit. Per regulation, those only apply to Title V permits.]

[Unless required by regulation, NSR does not require reporting, unless OK’d BY YOUR MANAGER for Reporting to Permit Section OR Approved by ENFORCEMENT AND COMPLIANCE for THEIR SECTION (e.g. compliance order) (20.2.72.210 and 212 NMAC). NSPS or NESHAP REPORTING IS CITED IN THAT NSPS/NESHAP CONDITION AND IS NOT CITED HERE]

* 1. Facility: Fuel and Fuel Sulfur Requirements (as required)
1. Fuel and Fuel Sulfur Requirements

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| DELETE IF NOT APPLICABLE OR EDIT AS NECESSARY. When there are inherit 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:** No monitoring is required. 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 Limit (Units X, Y, Z)

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| **[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

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| **[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:
				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.
				3. 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

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| **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. Facility: Haul Roads
1. Truck Traffic

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| **Requirement:** The number of haul road round trips shall not exceed XXX round trips per day. |
| **Monitoring:** The permittee shall monitor the total number of haul road round trips per day.  |
| **Recordkeeping:** The permittee shall keep daily records of the total number of haul road trips per day. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Haul Road Control

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| **Requirement: Select one of the following and delete the other three*** + - 1. Truck traffic areas and haul roads going in and out of the plant site shall be watered **or** treated by application of base course to control particulate emissions. This condition demonstrates compliance with the 60% control efficiency used in the permit application and modeling.
			2. Truck traffic areas and haul roads going in and out of the plant site shall be watered **and** treated by application of base course to control particulate emissions. This condition demonstrates compliance with the 80% control efficiency used in the permit application and modeling.
			3. Truck traffic areas and haul roads going in and out of the plant site shall be watered **and** treated with a surface stabilizing agent to control particulate emissions. This condition demonstrates compliance with the 90% control efficiency used in the permit application and modeling.
			4. Truck traffic areas and haul roads going in and out of the plant site shall be paved **and** cleaned to control particulate emissions. This condition demonstrates compliance with the 95% control efficiency used in the permit application and modeling.

This control measure shall be used on roads as far as the nearest public road. |
| **Monitoring:** The permittee shall monitor the frequency, quantity, and location(s) of the water application, or equivalent control measures. |
| **Recordkeeping:** The permittee shall keep daily records of the frequency, quantity, and location(s) of the water application, or equivalent control measures. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Night Time Truck Traffic

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| **Requirement:** Night time operation of haul trucks and material handling equipment is authorized providing the following requirements are met for the trafficked roads and off-road surfaces used by this equipment.Dirt or gravel surfaces:* + - 1. Water immediately prior to beginning traffic operations.
			2. Additional watering shall be done whenever dust is observed to be higher than the headlights or taillights of a standard haul truckas it travels on the surface.

Surfaces that are paved or treated with surfactants: * + - 1. No extra requirements for night traffic.
 |
| **Monitoring:** * + - 1. The permittee shall monitor:
				1. the date, time, and water truck odometer/hour meter reading at the commencement of watering activities;
				2. the date, time, and water truck odometer/hour meter reading at the completion of watering activities;
				3. the quantity of water applied;
				4. the date and time of commencement and completion of night traffic operations.
			2. For each hour of night operation in which the traffic areas were not watered, the permittee shall monitor the road and off-road surfaces to see if dust is rising higher than the headlights or taillights of a standard haul truck.
 |
| **Recordkeeping:** * + - 1. Each record of night traffic on unpaved roads and surfaces shall include:
				1. the date, time, and odometer/hour meter reading at the commencement of watering;
				2. the date, time, and odometer/hour meter reading at the completion of watering;
				3. the quantity of water applied;
				4. the time and date of commencement and completion of nighttime operations;
				5. the name of the person making the observations.
			2. The permittee shall make a record of each hourly dust monitoring activity to see if additional watering is necessary. At a minimum the record shall include the date, the time of the observation, the roads and surfaces observed, the results of the observation, and the name of the person making the observation.
 |
| **Reporting:** Records shall be made available according to reporting requirements of this permit, if the Department requests them. |

* 1. Facility: Initial Location Requirements
1. Initial Setback Distance

At the initial location, the perimeter of the area of operations of the facility shall be at least **\_\_\_\_\_** meters (**\_\_\_\_** feet) from the perimeter of the Restricted Area.

1. Minimum distance between the area of operation and the boundary that restricts or controls public access

|  |  |
| --- | --- |
| Boundary Description | Minimum Distance |
| Meters | Feet |
| North |  |  |
| South |  |  |
| East |  |  |
| West |  |  |

(check modeling summary for correct distance)

1. Co-location

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

* 1. Facility: Relocation Requirements (as required)
1. This facility [CHOOSE ONE] may / may not be relocated.
2. Relocation Setback Distance [DELETE IF NOT APPLICABLE]

**[DELETE OR EDIT AS NECESSARY]**Upon Relocation, the perimeter of the area of operations of the facility shall be at least **\_\_\_\_\_** meters (**\_\_\_\_** feet) from the perimeter of the Restricted Area.

(check modeling summary for correct distance)

1. Plant Relocation Notice
	1. The permittee shall submit a request using the Department's Relocation Notice form fifteen (15) days prior to any relocation of the plant.  Relocation includes moving within an approved restricted area if any of the conditions of the original approval to relocate to that site would be violated, and includes moving back to a previously permitted site.
	2. At the time of notification, the permittee shall also post notice of the relocation at the relocation site in such a manner that the public has access to information concerning the proposed relocation. The operation of a facility at a new location shall not commence until the Department has officially approved the new location.
2. Restriction on Relocation
	1. The plant is defined as the perimeter of the area of operations inclusive of all disturbed lands, including mining and overburden removal areas, used for the job. Unless this permit authorizes a specific setback upon relocation or unless site specific modeling (or modeling waiver) is approved, approval of relocation shall be denied if the relocation falls within any of the following categories:
		* + 1. the plant is to be relocated within any city or town boundaries, and was not initially reviewed for these conditions;
				2. the plant is to be relocated within one-quarter (1/4) mile of a private residence, office building, a school or other occupied structure;
				3. the plant is to be relocated within one (1) mile of another particulate-emitting facility;
				4. the plant is to be relocated in an area where any Prevention of Significant Deterioration increments, national ambient air quality standards, or New Mexico ambient air quality standards have been or will be exceeded. A list of current Air Quality Control Regions with baseline status can be found at

<https://www.env.nm.gov/air-quality/nm-air-quality-control-regions/>

* + - * 1. the plant is to be relocated within 5 km of a Class I area.
			1. Distances are measured from the perimeter of the area of operations. The Department will promptly notify the operator if relocation is denied. The Department may require additional controls at some relocation sites to ensure compliance with ambient air quality standards. When a plant leaves New Mexico, or the Department’s jurisdiction, the Department shall be notified. When a plant intends to return to New Mexico, or the Department’s jurisdiction a relocation notice shall be filed with the Department.
1. Relocation Restriction if PSD Minor Source Baseline Date has been Established [DELETE IF NOT APPLICABLE/STATIONARY]

This facility shall not remain at any site more than one year from the date of initial startup at that site if the prevention of significant deterioration minor source baseline date for that Air Quality Control Region has been established for NO2 or PM10 unless modeling has been submitted and approved and demonstrates compliance with PSD increment consumption values. A list of current Air Quality Control Regions with baseline status can be found at:

<https://www.env.nm.gov/air-quality/nm-air-quality-control-regions/>.

* 1. Alternative Operating Scenario (as required)
1. May be NA for NSR [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 20.2.72 NMAC are met regardless of what scenario the facility is operating under.
	1. Compliance Plan (as required and to include enforcement action requirements)
	2. 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 A117 and delete this condition(s)**]

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

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| **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. 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. **Construction Operating Scenarios [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. Construction Operating 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. Permit Requirements 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. Simultaneous Operation 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. **Compliance With PSD Netting Requirements** (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.)

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| **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 Condition 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.]

[Links to Monitoring Protocols folder in aurora:

 [..\..\NSR-TV-Common\Monitoring Protocols](file://Aurora/aqb/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)

[Note: Remember to consider initial compliance testing in this section.]

Oil and Gas Industry

* 1. Oil and Gas Industry
1. This section has common equipment related to most Oil and Gas Operations.
	1. Engines

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

* 1. Glycol Dehydrators

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

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

* 1. Tanks

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

* 1. Heaters/Boilers

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

* 1. Turbines

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

* 1. Flares

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

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| **Requirement:**  |
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| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Sulfur Recovery Unit

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

* 1. Amine Unit

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

* 1. Fugitives

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

* 1. Acid Gas Injection

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

* 1. Miscellaneous **(change name as needed)**

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

Construction Industry - Aggregate

* 1. Construction Industry - Aggregate
1. This section has common equipment related to most Crusher/Screening Operations.
	1. Equipment Substitutions
2. Substitution of aggregate handling equipment is authorized provided the replacement equipment is functionally equivalent and has the same or lower process capacity as the piece of equipment it is replacing in the most recent permit. The replacement equipment shall comply with the opacity and emission limit requirements in this permit.
3. The Department shall be notified within fifteen (15) days of equipment substitutions using the Equipment Substitution Form provided by the Department and available online.
	1. Process Equipment – Crushers, Screens, Conveyors, Pugmills
4. Crusher - Production Limits

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| --- |
| **Requirement:** The production rate shall not exceed XX tons per hour.This production rate was specified in the permit application and is the basis for the Department's modeling analysis to determine compliance with the applicable ambient air quality standards. |
| **Monitoring:** The permittee shall monitor the daily production rates.  |
| **Recordkeeping:** The permittee shall* 1. record the hourly production rate;
	2. record the date, start time, and end time of any production;
	3. determine or calculate the daily production rate; and
	4. maintain the records necessary to support the calculation of the daily production rate.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Screens - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the scalping screen(s) with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning (including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating.  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Conveyors - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the conveyors with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning (including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating.  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Pugmill - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the pugmill with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning (including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating.  |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Storage – Piles, Bins, Buildings
1. Piles

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| **Requirement:** The permittee shall maintain stockpiles according to standard industry practices and procedures to minimize fugitive emissions to the atmosphere. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Bins

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

1. Buildings

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

* 1. Material Handling – Feeders, Truck Loading, Truck Unloading
1. Aggregate Feeder

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

1. Truck Loading/Unloading

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

* 1. Combustion Equipment – Heaters, Engines
1. Heaters

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

1. Engines

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

* 1. Areas – Active Pit, Waste Pit
1. Active Pit Areas

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| **Requirement:** The permittee shall water sites of overburden removal and active pit areas, dependent upon existing wind speeds and soil moisture content, and as necessary to minimize dust emissions. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. 40 CFR 60, Subpart OOO

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| **Requirement:** * + - 1. Crushers, screens, and conveyors, constructed, reconstructed, or modified after August 31, 1983, with a cumulative rated capacity of all initial crushers (can be fed without prior crushing) greater than 150 tons per hour of material for a portable source, and 25 ton per hour for a fixed source, are subject to NSPS, 40 CFR 60, Subpart A and Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants, and the permittee shall comply with both the notification requirements in Subpart A and the specific requirements in Subpart OOO.
			2. Particulate emissions from NSPS affected transfer points, belt conveyors, screens or other affected facilities, as defined by Subpart OOO, shall not exhibit greater than x % opacity [ENTER VALUE AS DETERMINED BY NSPS]. Particulate emissions from NSPS affected crushers shall not exhibit greater than x % opacity [ENTER VALUE AS DETERMINED BY NSPS] opacity.
			3. Particulate emissions from non-NSPS affected transfer points, belt conveyors, screens, feed bins, and from stockpiles shall not exhibit greater than 10% opacity.  Particulate emissions from non-NSPS crushers shall not exhibit greater than 15% opacity
 |
| **Monitoring:** * + - 1. Initial compliance tests for particulate matter shall be conducted in accordance with the procedures for opacity in Subpart A of 40 CFR 60 and EPA test Methods 9 and 22 (if applicable), unless otherwise approved by the Department. Compliance tests shall determine the opacity at each crusher, screen, hopper, and conveyor transfer point, including transfers to stockpiles.
			2. The permittee shall perform a six minute opacity reading for each crusher, screen and stacker conveyor (material drop to storage pile) at least once per [day, calendar month, six months, calendar year] to demonstrate compliance with the opacity limitations in this permit. The test shall be done at the normal operational load of the facility. Compliance with this condition shall be determined by opacity test observations conducted in accordance with the procedures in 40 CFR 60.11 and Reference Method 9 in 40 CFR 60, Appendix A.
			3. Additionally, if requested by the Department in writing, the permittee shall perform a six minute opacity reading for each transfer conveyor at least once per calendar month to demonstrate compliance with the opacity limitations in this permit. The test shall be done at the normal operational load of the facility. Compliance with this condition shall be determined by opacity test observations conducted in accordance with the procedures in 40 CFR 60.11 and Reference Method 9 in 40 CFR 60, Appendix A.
			4. [USE THIS CONDITION ONLY IF THE EMISSIONS FOR MODELING ARE BASED ON CONTROLLED EMISSION FACTORS**]** If during any compliance testing, any crusher, screen, conveyor belt, or conveyor transfer point, exhibits an opacity reading greater than 5% opacity, that emission point shall be equipped with water sprays, a dust collection and control system, a containment system, (i.e. cyclone, scrubber, baghouse, enclosures over transfer points, conveyor drop chutes), or other equally effective control measures to minimize emissions. The control measures, as required above, shall be installed within 30 days of the compliance test and operated on an “as needed” basis to meet the opacity limitations contained in this permit. Compliance with this condition shall be determined by opacity test observations conducted in accordance with the procedures in 40 CFR 60.11 and Reference Method 9 in 40 CFR 60 Appendix A.
 |
| **Recordkeeping:** The permittee shall maintain records in accordance with Subpart OOO and Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

Construction Industry – Asphalt

* 1. Construction Industry – Asphalt
1. This section has common equipment related to most Asphalt Operations.
	1. Equipment Substitutions
2. Substitution of aggregate handling equipment is authorized provided the replacement equipment is functionally equivalent and has the same or lower process capacity as the piece of equipment it is replacing in the most recent permit. The replacement equipment shall comply with the opacity requirements in this permit.
3. The Department shall be notified within fifteen (15) days of equipment substitutions using the Equipment Substitution Form provided by the Department and available online.
	1. Process Equipment – Drum Mixer, Screens, Conveyors, Surge Bins, Pugmills
4. Drum Mixer - Production Limits

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| --- |
| **Requirement:** The production rate shall not exceed **XXX** tons per hour. This production rate was specified in the permit application and is the basis for the Department's modeling analysis to determine compliance with the applicable ambient air quality standards. |
| **Monitoring:** The permittee shall monitor the daily production rates. |
| **Recordkeeping:** The permittee shall* 1. record the hourly production rate;
	2. record the date, start time, and end time of any production;
	3. determine or calculate the daily production rate; and
	4. maintain the records necessary to support the calculation of the daily production rate.
 |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Drum Mixer - Stack Emissions

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| **Requirement:** Stack emissions from the Drum Mixer/Dryer shall at all times be routed to and controlled with a dust collector that is equipped with a differential pressure gauge. |
| **Monitoring:** The gauge shall be maintained, replaced, and calibrated as required so that it consistently provides correct and accurate readings. |
| **Recordkeeping:** The permittee shall maintain records of operational inspections, maintenance conducted and gauge calibrations.  |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Drum Mixer - Initial Compliance Test

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| **Requirement:** To demonstrate compliance with TSP, PM10, NOX, CO emission limits in Table 106.A, the permittee shall conduct an initial compliance test for TSP, PM10, PM2.5 Condensable PM NOX, CO, [and opacity] on the drum mixer/dryer emissions stack. [PM10 and PM2.5filterable fraction testing is not required if TSP=PM10=PM2.5, and also shouldn’t be used on scrubbers as it gives falsely low results – either set as all equal or come up with an effective method to test for different size fractions. Hopefully, EPA will come up with a method someday soon.] [Condensable and filterable fractions should be combined to show compliance with EL’s for all three] |
| **Monitoring:** During the compliance tests, the permittee shall monitor the **(baghouse, venturi scrubber, wet scrubber, spray tower, etc)** pressure drop, **(water pressure and flow rate,)** the baghouse inlet and exit temperatures, the fuel sulfur content, and the plant's hourly production rate. The test shall include the use of 1.5% hydrated lime (if permitted to use lime), to demonstrate compliance with the emission limits.  |
| **Recordkeeping:** The results shall be included with the test report that is required to be furnished to the Department and shall be listed in tabular form or as part of the summary page of the test report. The permittee shall maintain records in accordance with Section B109.  |
| **Reporting:** The permittee shall report in accordance with the Department’s *Universal Test Notification, Protocol and Report Form and Instructions*.   |

1. Drum Mixer – NSPS Subpart I

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| **Requirement:** * + - 1. This facility is subject to NSPS 40 CFR 60, Subpart A and Subpart I - Standards of Performance for Hot Mix Asphalt Facilities. The permittee shall comply with both the notification requirements in Subpart A and with all of the specific requirements of Subpart I.
			2. At all times, stack emissions from Unit X Drum Dryer/Mixer shall be routed to a Dust Collector (Unit X). To comply with 40 CFR 60, Subpart I, particulate emissions to the atmosphere from Unit X Drum Mixer/Dryer Dust Collector shall not exceed 0.04 grains/dry standard cubic foot of particulate matter from the stack outlet and shall not exhibit 20% opacity or greater. [If this limit is listed in Section 106, do not repeat here.]
 |
| **Monitoring:** * + - 1. While the facility is operating, the following monitoring shall be conducted to confirm proper operation of the Drum Mixer/Dryer Dust Collector. EPA Method 9 Opacity tests shall be conducted according to the requirements of 40 CFR 60, Subpart I and Appendix A.
			2. At least once each calendar month and upon installation at each relocation, the permittee shall conduct an EPA Method 9 Opacity test on the Drum Mixer/Dryer Dust Collector for a minimum of 6 minutes.
			3. Concurrently during visible emissions monitoring of the Drum Mixer/Dryer Dust Collector, the permittee shall continuously monitor differential pressure.
			4. During operation, the Drum Mixer/Dryer Dust Collector differential pressure shall be monitored. Operations shall cease immediately if the pressure drop is not within the manufacturer’s specified normal operating range or the range correlating with opacity tests demonstrating compliance with the NSPS I opacity limits. Operations shall not commence until the cause of the deviation is determined and rectified.
 |
| **Recordkeeping:** The permittee shall keep the following information.* 1. EPA Method 9 opacity observations and associated differential pressure readings.
	2. The Dust Collector manufacturer’s specified normal differential pressure range. The permittee shall have this record available at all times of operation.
	3. At least hourly, the Dust Collector differential pressure readings during operation.
	4. Any deviation in Dust Collector differential pressure, the cause of the deviation, the time operations ceased for repairs, the time operations commenced after repairs, and the corrective actions taken.
 |
| **Reporting:** The permittee shall comply with the reporting requirements of 40 CFR 60, Subpart A and Subpart I. |

1. Screens - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the scalping screen(s) with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning(including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Conveyors - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the conveyors with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning (including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Surge Bin

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

1. Pugmill - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the pugmill shall be controlled with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning (including, but not limited to spray bars are pointing in the right places, are not blocked, plugged or frozen, and are atomizing the water properly) at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Storage – Asphalt Tanks, Silos, Piles, Bins
1. Asphalt Tank

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

1. Lime or Mineral Filler Silo - Hydrated Lime Limits

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| --- |
| **Requirement:**  The use of a maximum of XX% hydrated lime is/is not permitted.  |
| **Monitoring:** NA |
| **Recordkeeping:** The permittee shall maintain records of the amount of mineral filler used (in tons and as % of asphalt produced) and asphalt produced on an hourly basis. In instances when production ceases such that the last hour is a partial hour, the records will also record the corresponding prorated mineral filler used in tons, percent mineral filler, and asphalt produced for the partial hour. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Lime or Mineral Filler Silo - Stack Emissions

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| --- |
| **Requirement:** Particulate emissions from the Mineral Filler Silo shall at all times be routed to and controlled with a dust collector that is equipped with a differential pressure gauge.  |
| **Monitoring:** The gauge shall be maintained, replaced, and calibrated as required so that it consistently provides correct and accurate readings. |
| **Recordkeeping:** The permittee shall maintain records of operational inspections, maintenance conducted and gauge calibrations. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Lime or Mineral Filler Silo – NSPS Subpart I

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| --- |
| **Requirement:** * + - 1. This facility is subject to NSPS 40 CFR 60, Subpart A and Subpart I - Standards of Performance for Hot Mix Asphalt Facilities. The permittee shall comply with both the notification requirements in Subpart A and with all of the specific requirements of Subpart I.
			2. At all times, stack emissions from Unit X , the Mineral Filler Silo, shall be routed to a Dust Collector (Unit X). To comply with 40 CFR 60, Subpart I, particulate emissions to the atmosphere from Unit XX, the Mineral Filler Silo and Dust Collector, shall each not exhibit 20% opacity or greater. [If this limit is listed in Section 106, do not repeat here.]
 |
| **Monitoring:** * + - 1. While the facility is operating, the following monitoring shall be conducted to confirm proper operation of the Mineral Filler Silo Dust Collector. Method 9 Opacity tests shall be conducted according to the requirements of 40 CFR 60, Subpart I and Appendix A.
			2. At least once each calendar month and upon installation at each relocation, the permittee shall conduct an EPA Method 9 Opacity test on the Mineral Filler Silo Dust Collector for the duration of the silo batch loading.
			3. Concurrently during visible emissions monitoring of the Mineral Filler Silo Dust Collector, the permittee shall continuously monitor differential pressure.
			4. The Mineral Filler Silo Dust Collector differential pressure shall be monitored for the duration of the silo loading. Filling shall cease immediately if the pressure drop is not within the manufacturer’s specified normal operating range or the range correlating with opacity tests demonstrating compliance with the NSPS I opacity limits. Loading shall not commence until the cause of the deviation is determined and rectified.
 |
| **Recordkeeping:** The permittee shall keep the following information.* 1. Start and stop times of each silo loading and EPA Method 9 opacity observations and associated differential pressure readings.
	2. The Dust Collector manufacturer’s specified normal differential pressure range. The permittee shall have this record available at all times of operation.
	3. At least hourly, the Dust Collector differential pressure readings during operation.
	4. Any deviation in Dust Collector differential pressure, the cause of the deviation, the time silo loading ceased for repairs, the time silo loading commenced after repairs, and the corrective actions taken.
 |
| **Reporting:** The permittee shall comply with the reporting requirements of 40 CFR 60, Subpart A and Subpart I. |

1. Piles

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| --- |
| **Requirement:** The permittee shall maintain stockpiles according to standard industry practices and procedures to minimize fugitive emissions to the atmosphere. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Bins

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

* 1. Material Handling – Feeders, Truck Loading, Truck Unloading
1. Aggregate Feeder

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

1. Truck Loading/Unloading

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

* 1. Combustion Equipment – Heaters, Engines
1. Heaters

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

1. Engines

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

* 1. 20.2.11 NMAC – Asphalt Process Equipment

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| **Requirement:** The permittee shall not operate asphalt processing equipment (such as aggregate and lime processing equipment, the dryer, and control equipment) without a fugitive dust control system. The fugitive dust control system shall be operated and maintained so that uncontrolled dust exhibits no more than 5 minutes of visible emissions during any 2 consecutive hours from the asphalt process equipment. Fugitive particulate emissions from other operations in support of the asphalt plant (such as storage piles, front-end loaders, and materials handling around the asphalt process equipment) are not subject to Section 109 of 20.2.11 NMAC. |
| **Monitoring** The permittee shall perform a daily visual emission inspection on the asphalt processing equipment.  |
| **Recordkeeping:** The permittee shall maintain records in accordance with Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110.  |

Construction Industry - Concrete

* 1. Construction Industry – Concrete
1. This section has common equipment related to most Concrete Operations.
	1. Equipment Substitutions
2. Substitution of aggregate handling equipment is authorized provided the replacement equipment is functionally equivalent and has the same or lower process capacity as the piece of equipment it is replacing in the most recent permit. The replacement equipment shall comply with the opacity requirements in this permit.
3. The Department shall be notified within fifteen (15) days of equipment substitutions using the Equipment Substitution Form provided by the Department and available online.
	1. Process Equipment – Feeders, Screens, Conveyors, Surge Bins, Pugmills
4. Aggregate Feeder

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

1. Screens - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the scalping screen(s) with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Conveyors - Fugitive Emissions

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| --- |
| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the conveyors with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Surge Bin

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

1. Pugmill - Fugitive Emissions

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| **Requirement:** To comply with the emission limits, the permittee shall control fugitive particulate emissions from the pugmill with water sprays. Each unit shall be equipped with a water spray nozzle that shall be turned on and properly functioning at all times the facility is operating. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

* 1. Storage – Silos, Piles, Bins
1. Silo

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

1. Piles

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| **Requirement:** The permittee shall maintain stockpiles according to standard industry practices and procedures to minimize fugitive emissions to the atmosphere. |
| **Monitoring:**  |
| **Recordkeeping:**  |
| **Reporting:**  |

1. Bins

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

* 1. Material Handling – Feeders, Truck Loading, Truck Unloading
1. Aggregate Feeder

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

1. Truck Loading/Unloading

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

* 1. Combustion Equipment – Heaters, Engines
1. Heaters

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

1. Engines

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

Power Generation Industry

* 1. Power Generation Industry
1. This section has common equipment related to most Electric Service Operations (SIC-4911).
	1. Turbines

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

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

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

* 1. Boilers

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

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

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

* 1. Engines

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

* 1. Heaters

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

* 1. Cooling Towers

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

* 1. Storage piles (Coal-Fired Plants)

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

* 1. Baghouses
	2. Tanks

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| **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

Landfill permits typically not required to obtain in NSR permit.

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

Miscellaneous Industry [change name as needed or not required]

* 1. Miscellaneous Operations Introduction – Not Required

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

Miscellaneous Documents (change name as needed or not required)

* 1. 40 CFR 64, Compliance Assurance Monitoring (CAM) Plan – Not Required (or change name as needed)
1. 40 CFR 64, Compliance Assurance Monitoring (CAM) Plan

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| **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.]