



## Bureau of Air Pollution Control

901 SOUTH STEWART STREET, SUITE 4001

CARSON CITY, NEVADA 89701-5249

p: 775-687-9349 • [www.ndep.nv.gov/bapc](http://www.ndep.nv.gov/bapc)

**Facility ID No. AXXXX**

**Permit No. APXXXX-XXXX.01**

### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

**Issued to:** COMPANY NAME

**Mailing Address:** ADDRESS STREET NAME, CITY STATE ZIP

**Physical Address:** PHYSICAL ADDRESS FROM PERMIT APPLICATION

**Driving Directions:** SPECIFIC DRIVING DIRECTIONS FROM PERMIT APPLICATION

**General Facility Location:** SECTION XX, T XX N, R XX E, MDB&M

HA XX – BASIN NAME / COUNTY NAME COUNTY

NORTH X,XXX,XXX M, EAST XXX,XXX M, UTM ZONE 11, NAD 83

#### Section I. Applicability

A. Class II general permit (NAC 445B.3477)(*Federally Enforceable SIP Requirement*)

1. The Director may issue a Class II general permit covering numerous similar stationary sources.
2. A Class II general permit must set forth the criteria by which stationary sources may qualify for the Class II general permit.
3. After the effective date of a Class II general permit, the owner or operator of any stationary source that meets the criteria set forth in the Class II general permit may request authority to operate under the Class II general permit. The request must be in writing and must include all the information required by the Class II general permit.
4. The Director shall grant or deny authority to operate under a Class II general permit within 30 days after his or her receipt of a request for such authority. The Director's decision to grant or deny an application for authority to operate under the terms of a Class II general permit is not subject to the requirements of NAC 445B.3457.
5. A person may challenge the provisions of a Class II general permit only at the time the Class II general permit is issued. The Director's grant or denial of authority to operate under a Class II general permit to a stationary source or stationary sources does not provide an opportunity for an administrative review or a judicial review of the Class II general permit.
6. The Director shall not grant authority to operate under a Class II general permit to an affected source.
7. The term of a Class II general permit is 5 years.
8. The authority to operate under a Class II general permit expires after 5 years. An owner or operator of a stationary source operating under the authority of a Class II general permit shall apply to renew the authority to operate under the Class II general permit at least 30 days before the authorization expires.
9. A stationary source which obtains authorization to operate under a Class II general permit but is later determined not to qualify under the conditions of the Class II general permit may be subject to an action enforcing the prohibition against operating without a permit.

B. Qualifying Stationary Source (NAC 445B.3477)(*Federally Enforceable SIP Requirement*)

Under the authority of NAC 445B.3477 as reproduced in this section, the following stationary sources qualify to operate under this Class II general permit:

A qualifying **stationary source** as defined by NAC 445B.187 and reproduced in this section may operate under the conditions and provisions set forth in this Class II general permit for the following types of emission units:

1. **Crushers, screens, and conveyors operated only for the processing of nonmetallic minerals, including;**
2. **Diesel engines that are equal to or less than 299 horsepower, combusting 15 gallons per hour or less of ultra-low sulfur (maximum of 15 parts per million sulfur content) diesel fuel. A combination of engines may be used as long as they are each equal to or less than 299 horsepower and the combined fuel consumption rate does not exceed 15 gallons per hour.**

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**Section I. Applicability (continued)**

**C. Stationary source (NAC 445B.187)(*Federally Enforceable SIP Requirement*)**

1. “Stationary source” means all buildings, structures, facilities and installations, including temporary sources, which:
  - a. Belong to the same major industrial groupings described in the Standard Industrial Classification Manual, as incorporated by reference in NAC 445B.221;
  - b. Are located on one or more contiguous or adjacent properties;
  - c. Are owned or operated by the same person or by persons under common control; and
  - d. Emit or may emit any regulated air pollutant that is regulated under 42 U.S.C. §§ 7401 to 7671q, inclusive, or NAC 445B.001 to 445B.3689, inclusive. [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive]
2. Contracted operations that support the primary operations of the stationary source are part of the stationary source, except that temporary construction activities, including, without limitation, the construction of emission units, are not part of the stationary source.
3. The term does not include motor vehicles, nonroad engines and nonroad vehicles.

**D. Exceptions and Additional Requirements (NAC 445B.22097)(*Federally Enforceable SIP Requirement*)**

Under the authority of NAC 445B.22097, the following exceptions and additional requirements apply to this Class II general permit:

1. For stationary sources applying to operate under this general permit in the Class II General Special Use Area described in this section, the following constraints apply:
  - a. The Director will require a 30 day time period to conduct an Environmental Evaluation to demonstrate compliance with the Nevada Ambient Air Quality Standards for any regulated air pollutant.
  - b. If compliance with the Nevada Ambient Air Quality Standards for any regulated air pollutant cannot be demonstrated under the requirements of this Class II general permit, authorization to operate under this Class II general permit will not be approved. A Class II Air Quality Operating Permit must be applied for and approved prior to operation.

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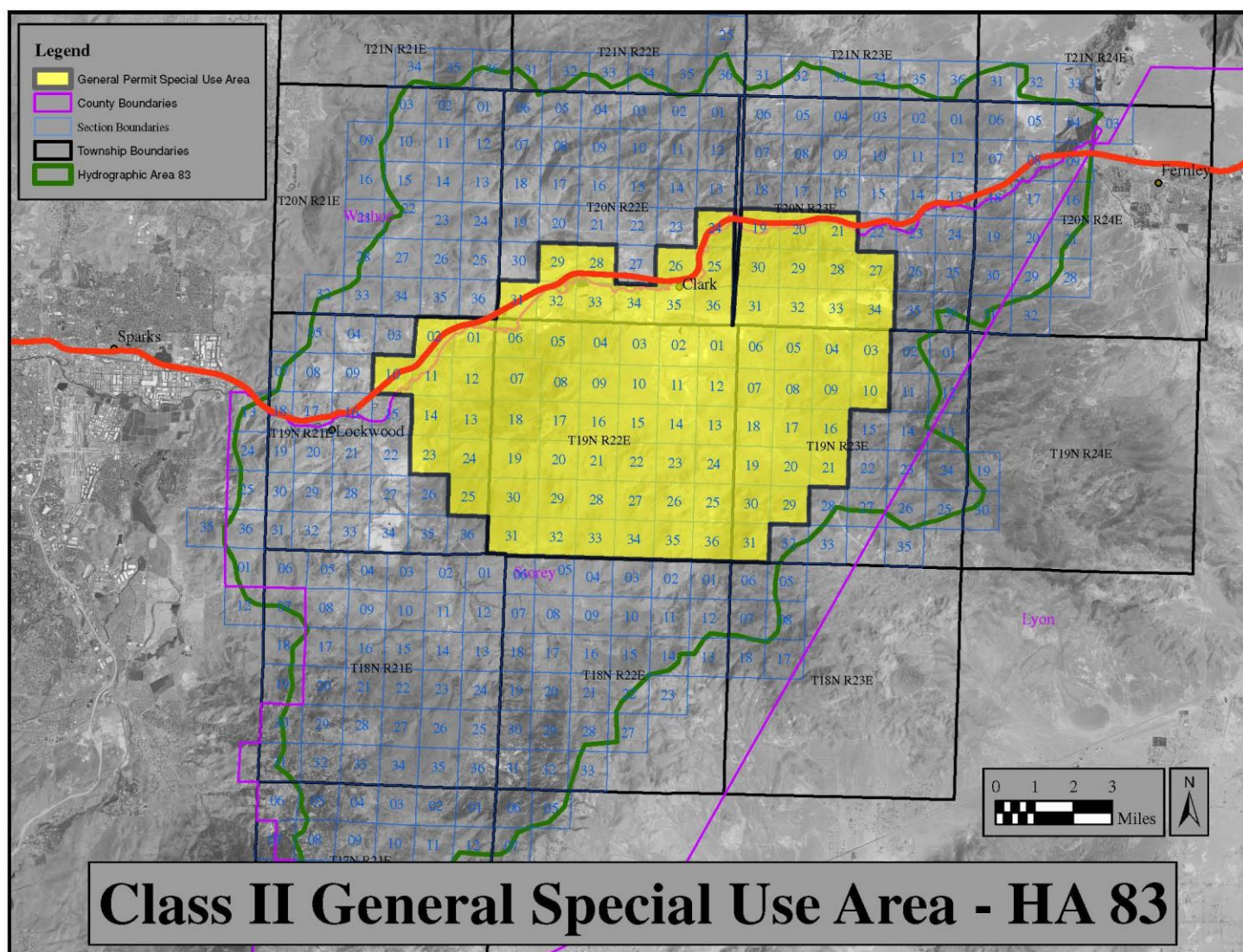
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**CLASS II GENERAL AIR QUALITY OPERATING PERMIT  
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2. Tracy Segment – Hydrographic Area (HA) 83

Township	Range	Sections
19 North	21 East	1, 2, 10 through 14, and 23 through 25
19 North	22 East	All Sections
19 North	23 East	3 through 10, 16 through 21, and 29 through 31
20 North	22 East	24 through 26, 28, 29, and 31 through 36
20 North	23 East	19 through 21, and 27 through 34

**\*\*\*End of Applicability\*\*\***





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### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

## Section II. General Provisions

- A. Visible emissions: Maximum opacity; determination and monitoring of opacity (NAC 445B.22017)(*Federally Enforceable SIP Requirement*)
1. Except as otherwise provided in this section and NAC 445B.2202, no owner or operator may cause or permit the discharge into the atmosphere from any emission unit which is of an opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
    - a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
    - b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 C.F.R. § 60.13(h).
  2. The provisions of this section and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.
- B. Visible emissions: Exceptions for stationary sources (NAC 445B.2202)(*Federally Enforceable SIP Requirement*)
- The provisions of NAC 445B.22017 do not apply to:
1. Smoke from the open burning described in NAC 445B.22067;
  2. Smoke discharged in the course of training air pollution control inspectors to observe visible emissions, if the facility has written approval of the Commission;
  3. Emissions from an incinerator as set forth in NAC 445B.2207; or
  4. Emissions of stationary diesel-powered engines during warm-up for not longer than 15 minutes to achieve operating temperatures.
- C. Emissions of particulate matter: Fugitive dust (NAC 445B.22037)(*Federally Enforceable SIP Requirement*)
1. No person may cause or permit the handling, transporting or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
  2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction and revegetation.
  3. Except as otherwise provided in subsection 4, no person may disturb or cover 5 acres or more of land or its topsoil until the person has obtained an operating permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
  4. The provisions of subsections 2 and 3 do not apply to:
    - a. Agricultural activities occurring on agricultural land; or
    - b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.
- D. Odors (NAC 445B.22087)(*State Only Requirement*)
1. No person may discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents the comfortable enjoyment of life or property.
  2. The Director shall investigate an odor when 30 percent or more of a sample of the people exposed to it believe it to be objectionable in usual places of occupancy. The sample must be at least 20 people or 75 percent of those exposed if fewer than 20 people are exposed.
  3. The Director shall deem the odor to be a violation if he or she is able to make two odor measurements within a period of 1 hour. These measurements must be separated by at least 15 minutes. An odor measurement consists of a detectable odor after the odorous air has been diluted with eight or more volumes of odor-free air.
- E. Prohibited Conduct: Concealment of emissions (NAC 445B.225)(*Federally Enforceable SIP Requirement*)
1. No person may install, construct or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

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**Section II. General Provisions (continued)**

- F. Prohibited conduct: Operation of source without required equipment; removal or modification of required equipment; modification of required procedure (NAC 445B.227)(*Federally Enforceable SIP Requirement*)  
Except as otherwise provided in NAC 445B.001 to 445B.3497, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], no person may:
1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of the permit is installed and operating.
  2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of the permit.
- G. Excess emissions: Scheduled maintenance, testing or repairs; notification of Director; malfunction, upset, start-up, shutdown or human error (NAC 445B.232)(*State Only Requirement*)
1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.390, inclusive, must be approved in advance by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
  2. Each owner or operator shall notify the Director of the proposed time and expected duration at least 30 days before any scheduled maintenance or testing which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.390, inclusive. The scheduled maintenance or testing must not be conducted unless the scheduled maintenance or testing is approved pursuant to subsection 1.
  3. Each owner or operator shall notify the Director of the proposed time and expected duration at least 24 hours before any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.390, inclusive. The scheduled repairs must not be conducted unless the scheduled repairs are approved pursuant to subsection 1.
  4. Each owner or operator shall notify the Director of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during start-up or shutdown of that equipment.
  5. Each owner or operator shall provide the Director, within 15 days after any malfunction, upset, start-up, shutdown or human error which results in excess emissions, sufficient information to enable the Director to determine the seriousness of the excess emissions. The information must include at least the following:
    - a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
    - b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
    - c. The time and duration of the excess emissions.
    - d. The identity of the equipment causing the excess emissions.
    - e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
    - f. The steps taken to limit the excess emissions.
    - g. Documentation that the equipment for controlling air pollution, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.
  6. Each owner or operator shall ensure that any notification or related information submitted to the Director pursuant to this section is provided in a format specified by the Director.
- H. Notification of planned construction or reconstruction (NAC 445B.250)(*Federally Enforceable SIP Requirement*)  
Any owner or operator subject to the provisions of NAC 445B.001 to 445B.3689, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], shall furnish the Director written notification of:
1. The date that construction or reconstruction of an affected facility is commenced, postmarked no later than 30 days after such date. This requirement does not apply in the case of mass-produced facilities which are purchased in completed form.
  2. The anticipated date of initial start-up of an affected facility, postmarked not more than 60 days and not less than 30 days before such date.
  3. The actual date of initial start-up of an affected facility, postmarked within 15 days after such date.



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### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

## Section II. General Provisions (continued)

### I. Testing and sampling (NAC 445B.252)(*Federally Enforceable SIP Requirement*)

1. To determine compliance with NAC 445B.001 to 445B.3497, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the Director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
  - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
  - b. Approves the use of an equivalent method;
  - c. Approves the use of an alternative method, the results of which the Director has determined to be adequate for indicating whether a specific stationary source is in compliance; or
  - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
6. All testing and sampling will be performed in accordance with recognized methods and as specified by the Director.
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.
9. Notwithstanding the provisions of subsection 2, the Director shall not approve an alternative method or equivalent method to determine compliance with a standard or emission limitation contained in Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations for:
  - a. An emission unit that is subject to a testing requirement pursuant to Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations; or
  - b. An affected source.



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**Section II. General Provisions (continued)**

**J. Prohibited acts; penalty; establishment of violation; request for prosecution (NRS 445B.470)(*State Only Requirement*)**

1. A person shall not knowingly:
  - a. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
  - b. Fail to pay any fee;
  - c. Falsify any material statement, representation or certification in any notice or report; or
  - d. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
2. Any person who violates any provision of subsection 1 shall be punished by a fine of not more than \$10,000 for each day of the violation.
3. The burden of proof and degree of knowledge required to establish a violation of subsection 1 are the same as those required by 42 U.S.C. § 7413(c), as that section existed on October 1, 1993.
4. If, in the judgment of the Director of the Department or the Director's designee, any person is engaged in any act or practice which constitutes a criminal offense pursuant to NRS 445B.100 to 445B.640, inclusive, the Director of the Department or the designee may request that the Attorney General or the district attorney of the county in which the criminal offense is alleged to have occurred institute by indictment or information a criminal prosecution of the person.
5. If, in the judgment of the control officer of a local air pollution control board, any person is engaged in such an act or practice, the control officer may request that the district attorney of the county in which the criminal offense is alleged to have occurred institute by indictment or information a criminal prosecution of the person.

**K. Violations: Acts constituting; notice (NAC 445B.275)(*Federally Enforceable SIP Requirement*)**

1. Failure to comply with any requirement of NAC 445B.001 to 445B.3791, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive] any applicable requirement or any condition of an operating permit constitutes a violation. As required by NRS 445B.450, the Director shall issue a written notice of an alleged violation to any owner or operator for any violation, including, but not limited to:
  - a. Failure to apply for and obtain an operating permit;
  - b. Failure to construct a stationary source in accordance with the application for an operating permit as approved by the Director;
  - c. Failure to construct or operate a stationary source in accordance with any condition of an operating permit;
  - d. Commencing construction or modification of a stationary source without applying for and receiving an operating permit or a modification of an operating permit as required by NAC 445B.001 to 445B.3497, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.3477, inclusive], or a mercury operating permit to construct as required by NAC 445B.3611 to 445B.3689, inclusive;
  - e. Failure to comply with any requirement for recordkeeping, monitoring, reporting or compliance certification contained in an operating permit; or
  - f. Failure to pay fees as required by NAC 445B.327 or 445B.3689.
2. The written notice must specify the provision of NAC 445B.001 to 445B.3791, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], the condition of the operating permit or the applicable requirement that is being violated.
3. Written notice shall be deemed to have been served if delivered to the person to whom addressed or if sent by registered or certified mail to the last known address of the person.

**L. Operating permits: Imposition of more stringent standards for emissions (NAC 445B.305)(*Federally Enforceable SIP Requirement*)**

1. The Director may impose standards for emissions on a proposed stationary source that are more stringent than those found in NAC 445B.001 to 445B.3689, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], as a condition of approving an operating permit for the proposed stationary source.



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## Section II. General Provisions (continued)

- M. Contents of operating permits: Exception for operating permits to construct; required conditions (NAC 445B.315)(*Federally Enforceable SIP Requirement*)
1. Each of the conditions and requirements of the operating permit is severable, and if any are held invalid, the remaining conditions and requirements continue in effect.
  2. The holder of the operating permit shall comply with all conditions of the operating permit. Any noncompliance constitutes a violation and is a ground for:
    - a. An action for noncompliance;
    - b. Revising, revoking, reopening and revising, or terminating the operating permit by the Director; or
    - c. Denial of an application for a renewal of the operating permit by the Director.
  3. The need to halt or reduce activity to maintain compliance with the conditions of the operating permit is not a defense to noncompliance with any condition of the operating permit.
  4. The Director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.
  5. The operating permit does not convey any property rights or any exclusive privilege.
  6. The holder of the operating permit shall provide the Director, in writing and within a reasonable time, with any information that the Director requests to determine whether cause exists for revising, revoking and reissuing, reopening and revising, or terminating the operating permit, or to determine compliance with the conditions of the operating permit.
  7. The holder of the operating permit shall pay fees to the Director in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
  8. The holder of the operating permit shall allow the Director or any authorized representative, upon presentation of credentials, to:
    - a. Enter upon the premises of the holder of the operating permit where:
      - i. The stationary source is located;
      - ii. Activity related to emissions is conducted; or
      - iii. Records are kept pursuant to the conditions of the operating permit;
    - b. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of the operating permit;
    - c. Inspect, at reasonable times, any facilities, practices, operations or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to the operating permit; and
    - d. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of the operating permit or applicable requirements.
  9. A responsible official of the stationary source shall certify that, based on information and belief formed after a reasonable inquiry, the statements made in any document required to be submitted by any condition of the operating permit are true, accurate and complete.
- N. Required contents of permit (NAC 445B.346)(*Federally Enforceable SIP Requirement*)
- In addition to the conditions set forth in NAC 445B.315, Class II operating permits must contain, as applicable:
1. Emission limitations and standards, including those operational requirements and limitations that ensure compliance with the conditions of the operating permit.
  2. All requirements for monitoring, testing and reporting that apply to the stationary source.
  3. A requirement that the owner or operator of the stationary source promptly report any deviations from any requirements of the operating permit.
  4. The terms and conditions for any reasonably anticipated alternative operating scenarios identified by the owner or operator of the stationary source in his or her application and approved by the Director. Such terms and conditions must require the owner or operator to keep a contemporaneous log of changes from one alternative operating scenario to another.
  5. A schedule of compliance for stationary sources that are not in compliance with any applicable requirement or NAC 445B.001 to 445B.3689, inclusive, [NAC adopted as of October 2016 includes NAC 445B.001 to 445B.390, inclusive], at the time the operating permit is issued, including:
    - a. Semiannual progress reports and a schedule of dates for achieving milestones;
    - b. Prior notice of and explanations for missed deadlines; and
    - c. Any preventive or corrective measures taken.

\*\*\*End of General Provisions\*\*\*





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## Section III. General Monitoring, Recordkeeping, and Reporting Conditions

A. Records Retention (NAC 445B.315(3)(b))(Federally Enforceable SIP Requirement)

1. The holder of the operating permit shall retain records of all required monitoring data and supporting information for 5 years after the date of the sample collection, measurement, report or analysis. Supporting information includes all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.

B. Deviations (NAC 445B.346(3))(Federally Enforceable SIP Requirement)

1. Under the authority of NAC 445B.346(3), and in addition to the conditions set forth in NAC 445B.315, the owner or operator of the stationary source shall promptly report to the Director any deviations from the requirements of the operating permit. The report to the Director shall include the probable cause of all deviations and any action taken to correct the deviations. For the operating permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 as reproduced in **Section II.G. E-mail notifications to:** [aircompliance@ndep.nv.gov](mailto:aircompliance@ndep.nv.gov)

C. Reporting (NAC 445B.250, NAC 445B.315(3)(h), and NAC 445B.346(2))(Federally Enforceable SIP Requirement)

Under the authority of NAC 445B.250, NAC 445B.315(3)(h), and NAC 445B.346(2), the holder of the operating permit shall provide the Director, in writing, the following reports:

1. The date construction (or reconstruction as defined under NAC 445B.247) of the affected facility is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
2. The anticipated date of initial startup of an affected facility, postmarked no more than 60 days and no less than 30 days prior to such date.
3. The actual date of initial startup of the affected facility, postmarked within 15 days after such date.
4. A report of the Initial Opacity Compliance Demonstration for all emission units as required in **Section V.G.**, postmarked not more than 15 days after completion of the Initial Opacity Compliance Demonstration. Failure to provide the required Initial Opacity Compliance Demonstration report(s) may subject the holder of the operating permit to a Notice of Alleged Violation in accordance with NAC 445B.275.
5. Yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports shall be submitted on the form provided by the Director for all emission units and systems specified on the form. The completed form must be submitted to the Director no later than March 1 annually for the preceding calendar year.

**\*\*\*End of General Monitoring, Recordkeeping, and Reporting Conditions\*\*\***

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CLASS II GENERAL AIR QUALITY OPERATING PERMIT  
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Under the authority of NAC 445B.305, the emission factors listed below are to be used to calculate the potential to emit for operating scenarios authorized by the general permit:

Nonmetallic Crushing and Screening			
Emission Unit	Emission Factor (lb/ton)		
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Truck Unloading to Hopper - Controlled <sup>1</sup>	0.00075	0.00028	0.00004
Truck Unloading to Hopper - Uncontrolled	0.003	0.0011	0.00017
Primary Crusher - Water Spray Controlled <sup>1</sup>	0.0014	0.0006	0.0001
Primary Crusher - Enclosure Controlled <sup>2</sup>	0.0027	0.0012	0.0002
Primary Crusher - Uncontrolled	0.0054	0.0024	0.0004
Secondary Crusher - Water Spray Controlled <sup>1</sup>	0.0014	0.0006	0.0001
Secondary Crusher - Enclosure Controlled <sup>2</sup>	0.0027	0.0012	0.0002
Secondary Crusher - Uncontrolled	0.0054	0.0024	0.0004
Tertiary Crusher - Water Spray Controlled <sup>1</sup>	0.0014	0.0006	0.0001
Tertiary Crusher - Enclosure Controlled <sup>2</sup>	0.0027	0.0012	0.0002
Tertiary Crusher - Uncontrolled	0.0054	0.0024	0.0004
Primary Screen - Water Spray Controlled <sup>1</sup>	0.0063	0.0022	0.00033
Primary Screen - Enclosure Controlled <sup>2</sup>	0.0027	0.0012	0.0002
Primary Screen - Uncontrolled	0.025	0.0087	0.0013
Secondary Screen - Water Spray Controlled <sup>1</sup>	0.0063	0.0022	0.00033
Secondary Screen - Enclosure Controlled <sup>2</sup>	0.0013	0.0044	0.0007
Secondary Screen - Uncontrolled	0.025	0.0087	0.0013
Tertiary Screen - Water Spray Controlled <sup>1</sup>	0.0063	0.0022	0.00033
Tertiary Screen - Enclosure Controlled <sup>2</sup>	0.0013	0.0044	0.0007
Tertiary Screen - Uncontrolled	0.025	0.0087	0.0013
Conveyor Transfer Point - Water Spray Controlled <sup>1</sup>	0.00075	0.00028	0.00004
Conveyor Transfer Point - Enclosure Controlled <sup>2</sup>	0.0015	0.00055	0.00009
Conveyor Transfer Point - Uncontrolled	0.003	0.0011	0.00017
<b>Notes:</b>			
(1) The emission factors listed for controlled emissions require wet dust suppression located at each emission unit and transfer point. Wet dust suppression consists of water sprays, fogging water sprays, fogging water sprays with chemical surfactant, or pneumatic fogging water sprays. Pre-wetting of material does not constitute wet dust suppression.			
(2) The emission factors listed for controlled emissions require the use of an enclosure at the transfer point. An enclosure must have a solid cover surrounding the transfer point. This excludes entries and exits. Transfer points must not be clearly visible.			

Diesel Engines							
Emission Unit	Emission Factor (lb/hr)						
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>x</sub>	SO <sub>2</sub>	CO	VOC
Diesel Engine Equal to or Less Than 299 Horsepower Combusting 15 Gallons Per Hour or Less of Diesel Fuel	0.651	0.651	0.651	9.261	0.609	1.995	0.735

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**CLASS II GENERAL AIR QUALITY OPERATING PERMIT  
FOR NONMETALLIC MINERALS CRUSHING AND SCREENING****Section IV. Emission Factors and Emission Limits (continued)****B. Emission Limits (NAC 445.305, NAC 445B.22017, NAC 445B.346)(*Federally Enforceable SIP Requirement*)**

Under the authority of NAC 445B.305, NAC 445B.22017, and NAC 445B.346, the calculated emissions at any one location shall not equal or exceed any of the emission limits specified in the table below:

Operating Scenario	Operating Parameters		Emission Limits (lb/day)							Opacity
	Minimum Setback (meters)	Maximum Daily Hours of Operation	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>x</sub>	SO <sub>2</sub>	CO	VOC	
Crushers, screens, and conveyors operated only for the processing of nonmetallic minerals, including diesel engines that are equal to or less than 299 horsepower, combusting 15 gallons per hour or less of diesel fuel.	25	8	31.30	14.54	6.53	74.09	4.87	15.96	5.88	20%
		12	37.60	18.47	9.32	111.14	7.31	23.94	8.82	20%
		16	42.39	21.85	12.03	148.18	9.74	31.92	11.76	20%
		24	50.67	28.16	17.40	222.27	14.62	47.88	17.64	20%
	50	8	37.64	16.81	6.85	74.09	4.87	15.96	5.88	20%
		12	45.22	21.19	9.71	111.14	7.31	23.94	8.82	20%
		16	50.77	24.85	12.46	148.18	9.74	31.92	11.76	20%
		24	61.00	31.85	17.92	222.27	14.62	47.88	17.64	20%
	75	8	44.24	19.17	7.18	74.09	4.87	15.96	5.88	20%
		12	35.06	15.88	6.72	74.09	4.87	15.96	5.88	20%
		16	59.21	27.86	12.88	148.18	9.74	31.92	11.76	20%
		24	70.73	35.33	18.41	222.27	14.62	47.88	17.64	20%
	100	8	50.55	21.42	7.50	74.09	4.87	15.96	5.88	20%
		12	59.90	26.44	10.45	111.14	7.31	23.94	8.82	20%
		16	67.36	30.78	13.30	148.18	9.74	31.92	11.76	20%
		24	79.25	38.38	18.84	222.27	14.62	47.88	17.64	20%

**\*\*\*\*End of Emission Factors and Emission Limits\*\*\*\***

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**Section V. Specific Operating Conditions**

- A. The owner or operator is granted approval to operate the emission units specified in the table under **Section V.N**.
- B. The maximum throughput specified in the table under **Section V.N** for each emission unit shall not be exceeded at any time during operation.
- C. The maximum daily hours of operation specified in the table under **Section V.N** for each emission unit shall not be exceeded at any time during operation.
- D. The air pollution control equipment specified in the table under **Section V.N** for each emission unit shall be utilized at all times when the emission units are in operation.
- E. The minimum setback specified in the table under **Section V.N** for each emission unit shall be complied with at all times when the emission units are in operation.
- F. The emission limits specified in the tables under **Section V.N** for each emission unit shall not be exceeded at any time during operation.
- G. Initial Opacity Compliance Demonstration (NAC 445B.22017, NAC 445B.252)(*Federally Enforceable SIP Requirement*)  
(40 CFR Part 60)  
Under the authority of NAC 445B.22017, NAC 445B.252, and 40 CFR Part 60, the holder of the operating permit shall conduct an Initial Opacity Compliance Demonstration for all emission units as described below:
1. For all emission units, Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
- H. Monitoring and Recordkeeping (NAC 445B.346)(*Federally Enforceable SIP Requirement*)  
Under the authority of NAC 445B.346, the holder of the operating permit, upon the actual date of startup of the emission units specified in the table under **Section V.N** shall:
1. Monitoring
    - (a) Monitor the throughput, in tons, on a daily basis.
    - (b) Monitor the consumption rate of **diesel** on a daily basis (in **gallons**) by multiplying the maximum hourly fuel consumption rate and the total daily hours of operation.
    - (c) Monitor the hours of operation on a daily basis.
  2. Recordkeeping  
The required monitoring established in this section, shall be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
    - (a) The calendar date of the required monitoring.
    - (b) The total daily throughput in tons, for the corresponding date.
    - (c) The consumption rate of **diesel**, for the corresponding date.
    - (d) The total daily hours of operation for the corresponding date.
    - (e) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.





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#### Section V. Specific Operating Conditions (continued)

I. Performance Standards for Emission Units Subject to 40 CFR Part 60 (NAC 445B.346)(Federally Enforceable SIP Requirement)  
(40 CFR Part 60)

Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply:

1. Owners or operators subject to the requirements of 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants:
  - (a) The owner or operator must meet the following fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671), fugitive emissions which exhibit no greater than 7 percent opacity.
  - (b) The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system is not used, fugitive emissions which exhibit no greater than 12 percent opacity.
  - (c) Method 9 of appendix A-4 of this part and the procedures in §60.11 shall be used to determine opacity.

J. Monitoring and Recordkeeping Requirements for Emission Units Subject to 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (NAC 445B.346)(Federally Enforceable SIP Requirement)  
(40 CFR Part 60)

Under the authority of NAC 445B.346 and 40 CFR Part 60, the following monitoring and recordkeeping requirements apply:

1. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR Part 60.676(b).
2. Owners or operators of affected facilities (as defined in 40 CFR Part 60.670 and 60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under 40 CFR Part 60.674(b) or (c), including dates and any corrective actions taken, in a logbook (in written or electronic format). The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Administrator upon request.

K. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (NAC 445B.346)(Federally Enforceable SIP Requirement)(40 CFR Part 63)

Under the authority of NAC 445B.346 and 40 CFR Part 63, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that were constructed before June 12, 2006:**

1. Emissions Limitations, Management Practices and Other Requirements (40 CFR 63.6603(a), Table 2d)  
The owner or operator must comply with the following requirements, except during periods of startup:
  - (a) Change oil and filter every 1,000 hours of operation or annually, whichever comes first;
  - (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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#### Section V. Specific Operating Conditions (continued)

- K. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (NAC 445B.346)(Federally Enforceable SIP Requirement)(40 CFR Part 63) (continued)

Under the authority of NAC 445B.346 and 40 CFR Part 63, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that were constructed before June 12, 2006** (continued):

2. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)
  - (a) The owner or operator must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 63.6625(e))
  - (b) The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in **K.1** of this section. (40 CFR 63.6625(h))
  - (c) The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in **K.1.a** of this section. The oil analysis must be performed at the same frequency specified for changing the oil in **K.1.a** of this section. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the owner or operator is not required to change the oil. If any of the limits are exceeded, the owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. (40 CFR 63.6625(i)).
3. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6)
  - (a) The owner or operator must be in compliance with the emission limitations, operating limitations, and other requirements in Subpart ZZZZ that apply at all times. (40 CFR Part 63.6605(a))
  - (b) The owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR Part 63.6605(b))
  - (c) The owner or operator must also report each instance in which they did not meet the requirements in Table 8 to Subpart ZZZZ that apply.
  - (d) The owner or operator must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2d to Subpart ZZZZ that applies to the owner or operator according to methods specified below: (40 CFR 63.6640(a), Table 6)
    - i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
    - ii. Develop and follow the owner or operator's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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**Section V. Specific Operating Conditions (continued)**

- K. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (NAC 445B.346)(Federally Enforceable SIP Requirement)(40 CFR Part 63) (continued)

Under the authority of NAC 445B.346 and 40 CFR Part 63, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that were constructed before June 12, 2006** (continued):

4. Recordkeeping Requirements (40 CFR 63.6655)

The owner or operator must keep the following records:

- (a) A copy of each notification and report that the owner or operator submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR Part 63.10(b)(2)(xiv). (40 CFR 63.6655(a)(1))
- (b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (40 CFR 63.6655(a)(2))
- (c) Records of performance tests and performance evaluations as required in 40 CFR Part 63.10(b)(2)(viii). (40 CFR 63.6655(a)(3))
- (d) Records of all required maintenance performed on the RICE and any air pollution control and monitoring equipment. (40 CFR 63.6655(a)(4))
- (e) Records of actions taken during periods of malfunction to minimize emissions in accordance with **K.3.b** of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- (f) The owner or operator must keep the records required in with **K.3.d.** of this section to show continuous compliance with each emission or operating limitation that applies. (40 CFR 63.6655(d))
- (g) The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the owner or operator operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. (40 CFR 63.6655(e))

- L. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(Federally Enforceable SIP Requirement)(40 CFR Part 60)

Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are pre-2007 model year non-emergency engines with a displacement of less than 10 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006:**

1. Emissions Standards (40 CFR 60.4204)

Owners and operators of pre-2007 model year non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder must comply with the emission standards in Table 1.



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### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

#### Section V. Specific Operating Conditions (continued)

- L. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)(continued)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are pre-2007 model year non-emergency engines with a displacement of less than 10 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006** (continued):
1. Emissions Standards (40 CFR 60.4204)(continued)

**Table 1 – Emission Standards (g/HP-hr) for Stationary Pre-2007 Model Year Engines with a Displacement of <10 Liters per Cylinder (40 CFR Part 1039, Appendix I)**

Maximum engine power	Emission standards for stationary pre-2007 model year engines with a displacement of <10 liters per cylinder.				
	NMHC + NO <sub>x</sub>	HC	NO <sub>x</sub>	CO	PM
KW<8 (HP<11)	10.5 (7.8)			8.0 (6.0)	1.0 (0.75)
8≤KW<19 (11≤HP<25)	9.5 (7.1)			6.6 (4.9)	0.80 (0.60)
19≤KW<37 (25≤HP<50)	9.5 (7.1)			5.5 (4.1)	0.80 (0.60)
37≤KW<56 (50≤HP<75)			9.2 (6.9)		
56≤KW<75 (75≤HP<100)			9.2 (6.9)		
75≤KW<130 (100≤HP<175)			9.2 (6.9)		
130≤KW<225 (175≤HP<300)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	(0.40)

2. Fuel Requirements (40 CFR 60.4207)  
The owner or operator must meet the following diesel requirements for non-road engines: (40 CFR 60.4207(b), 40 CFR 80.510(b))
  - (a) Sulfur content to be 15 parts per million (ppm) maximum.
  - (b) A minimum cetane index of 40; or
  - (c) A maximum aromatic content of 35 volume percent.
3. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)
  - (a) The owner or operator must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine. (40 CFR 60.4206).
  - (b) The owner or operator must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR Part 1068. (40 CFR 60.4211(a))
  - (c) The owner or operator must demonstrate compliance according to one of the following methods: (40 CFR 60.4211(b))
    - i. Purchasing an engine certified according to 40 CFR Parts 1039 and 1042, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (40 CFR 60.4211(b)(1))
    - ii. Keeping records of performance test results for each pollutant for a test conducted on a similar engine The test must have been conducted using the same methods specified in subpart IIII and these methods must have been followed correctly. (40 CFR 60.4211(b)(2))
    - iii. Keeping records of engine manufacturer data indicating compliance with the standards. (40 CFR 60.4211(b)(3))
    - iv. Keeping records of control device vendor data indicating compliance with the standards. (40 CFR 60.4211(b)(4))
    - v. Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable. (40 CFR 60.4211(b)(5))





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#### Section V. Specific Operating Conditions (continued)

- L. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)(continued)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are pre-2007 model year non-emergency engines with a displacement of less than 10 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006** (continued):
3. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)(continued)
    - (d) If the owner or operator does not install, configure, operate, and maintain the owner or operator's engine and control device according to the manufacturer's emission-related written instructions, or the owner or operator changes emission-related settings in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as follows: (40 CFR 60.4211(g))
      - i. For CI ICE with a maximum engine power less than 100 hp, the owner or operator must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the owner or operator does not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or the owner or operator changes the emission-related settings in a way that is not permitted by the manufacturer, the owner or operator must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action. (40 CFR 60.4211(g)(1))
      - ii. For CI ICE greater than or equal to 100 HP and less than or equal to 299 hp, the owner or operator must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the owner or operator changes emission-related settings in a way that is not permitted by the manufacturer. (40 CFR 60.4211(g)(2))
  4. National Emission Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63, Subpart ZZZZ – Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:  
If the compression ignition engine meets the requirements of 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))
- M. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are 2007 and later model year non-emergency engines with a displacement of less than 30 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006:**
1. Emissions Standards (40 CFR 60.4204)  
Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in 40 CFR Part 60.4201 for their 2007 model year and later stationary CI ICE in Table 2.



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#### Section V. Specific Operating Conditions (continued)

M. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)(continued)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are 2007 and later model year non-emergency engines with a displacement of less than 30 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006** (continued):

1. Emissions Standards (40 CFR 60.4204)(continued)  
(a)

**Table 2 – Emission Standards (g/kW-hr) for Stationary 2007 Model Year and Later Engines With a Displacement of <30 Liters per Cylinder (40 CFR 1039 Appendix I)**

Rated Power (kW)	Tier	Model Year	NO <sub>x</sub>	HC	HMHC + NO <sub>x</sub>	CO	PM
kW < 8	Tier 1	2000	-	-	10.5	8.0	1.0
	Tier 2	2005	-	-	7.5	8.0	0.80
8 ≤ kW < 19	Tier 1	2000	-	-	9.5	6.6	0.80
	Tier 2	2005	-	-	7.5	6.6	0.80
19 ≤ kW < 37	Tier 1	1999	-	-	9.5	5.5	0.80
	Tier 2	2004	-	-	7.5	5.5	0.80
37 ≤ kW < 75	Tier 1	1998	9.2	-	-	-	-
	Tier 2	2004	-	-	7.5	5.0	0.40
	Tier 3	2008	-	-	4.7	5.0	
75 ≤ kW < 130	Tier 1	1997	9.2	-	-	-	-
	Tier 2	2003	-	-	6.6	5.0	0.30
	Tier 3	2007	-	-	4.0	5.0	
130 ≤ kW < 225	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2003	-	-	6.6	3.5	0.20
	Tier 3	2006	-	-	4.0	3.5	
225 ≤ kW < 450	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2001	-	-	6.4	3.5	0.20
	Tier 3	2006	-	-	4.0	3.5	
450 ≤ kW < 560	Tier 1	1996	9.2	1.3	-	11.4	0.54
	Tier 2	2002	-	-	6.4	3.5	0.20
	Tier 3	2006	-	-	4.0	3.5	
kW > 560	Tier 1	2000	9.2	1.3	-	11.4	0.54
	Tier 2	2006	-	-	6.4	3.5	0.20



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### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

#### Section V. Specific Operating Conditions (continued)

- M. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)(continued)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are 2007 and later model year non-emergency engines with a displacement of less than 30 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006** (continued):

1. Emissions Standards (40 CFR 60.4204)(continued)
  - (a)(continued)

**Table 3 – Emission Standards for (g/kW-hr) Tier 4 Stationary 2014 Model Year and Later Engines With a Displacement of <30 Liters per Cylinder (40 CFR Part 1039.101)**

Maximum engine power	Application	PM	NO <sub>x</sub>	NMHC	NO <sub>x</sub> + NMHC	CO
kW <19	All	0.04			7.5	6.6
19 ≤kW <56	All	0.03			4.7	5
56 ≤kW <130	All	0.02	0.4	0.19		5
130 ≤kW ≤560	All	0.02	0.4	0.19		3.5
	Generator sets	0.03	0.67	0.19		3.5
kW >560	All except generator sets	0.04	3.5	0.19		3.5

- (b) Exhaust opacity from CI non-road engines must not exceed: (40 CFR 60.4201(a), 40 CFR 1039.105(b))
  - i. 20 percent during the acceleration mode
  - ii. 15 percent during the lugging mode; and
  - iii. 50 percent during the peaks in either the acceleration or lugging modes.
2. Fuel Requirements (40 CFR 60.4207)  
The owner or operator must meet the following diesel requirements for non-road engines: (40 CFR 60.4207(b), 40 CFR 80.510(b))
  - (a) Sulfur content to be 15 parts per million (ppm) maximum.
  - (b) A minimum cetane index of 40; or
  - (c) A maximum aromatic content of 35 volume percent.
3. Monitoring Requirements (40 CFR 60.4209(b))  
If your engine is equipped with a diesel particulate filter:
  - (a) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in §60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.
4. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)
  - (a) The owner or operator must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine. (40 CFR 60.4206).
  - (b) The owner or operator must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR Part 1068. (40 CFR 60.4211(a))



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**Section V. Specific Operating Conditions (continued)**

- M. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NAC 445B.346)(*Federally Enforceable SIP Requirement*)(40 CFR Part 60)(continued)  
Under the authority of NAC 445B.346 and 40 CFR Part 60, the following performance standards apply for **Stationary Compression Ignition Internal Combustion Engines that are 2007 and later model year non-emergency engines with a displacement of less than 30 liters/cylinder constructed after July 11, 2005 and manufactured after April 1, 2006** (continued):
4. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)(continued)
- (c) If the owner or operator does not install, configure, operate, and maintain the owner or operator's engine and control device according to the manufacturer's emission-related written instructions, or the owner or operator changes emission-related settings in a way that is not permitted by the manufacturer, the owner or operator must demonstrate compliance as follows: (40 CFR 60.4211(g))
- i. For CI ICE with a maximum engine power less than 100 hp, the owner or operator must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the owner or operator does not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or the owner or operator changes the emission-related settings in a way that is not permitted by the manufacturer, the owner or operator must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action. (40 CFR 60.4211(g)(1))
- ii. For CI ICE greater than or equal to 100 HP and less than or equal to 299 hp, the owner or operator must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the owner or operator must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after the owner or operator changes emission-related settings in a way that is not permitted by the manufacturer. (40 CFR 60.4211(g)(2))
5. National Emission Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63, Subpart ZZZZ – Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:  
If the compression ignition engine meets the requirements of 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))





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CLASS II GENERAL AIR QUALITY OPERATING PERMIT  
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Source #	Source Description	Minimum Setback	Material Process Rate	Operating Hours	Air Pollution Control Equipment	Calculated PM Emissions	Calculated PM <sub>10</sub> Emissions	Calculated PM <sub>2.5</sub> Emissions	Applicable 40 CFR Part 60 Subpart	Opacity Limit
		meters	tons/hr	hrs/day		lbs/day	lbs/day	lbs/day		
System 1 - Crushing and Screening										
PF1.001	Loader transfer to Feeder	50	200	24	N/A	3.600	1.320	0.204	N/A	20%
PF1.002	Feeder transfer to Conveyor C1	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.003	Conveyor C1 transfer to Conveyor C2	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.004	Conveyor C2 transfer to Conveyor C3	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.005	Screen S-1 and Associated Transfers (in from Conveyor C3, out to Conveyor C4, Conveyor C5, and Conveyor C16)	50	200	24	WDS	2.640	0.888	0.060	OOO	7%
PF1.006	Conveyor C16 transfer to Conveyor C17	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.007	Conveyor C17 transfer to Conveyor C18	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.008	Conveyor C18 transfer to Conveyor C19	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.009	Conveyor C19 transfer to Conveyor C20	50	200	24	WDS	0.168	0.055	0.016	OOO	7%
PF1.010	Conveyor C20 transfer to Reject Stockpile	50	200	24	WDS	0.168	0.055	0.016	N/A	20%
PF1.011	Primary Crusher JCI-1 and Associated Transfers (in from Conveyor C4 or Conveyor C8, out to Conveyor C6)	50	200	24	WDS	1.440	0.648	0.120	OOO	12%
PF1.012	Screen S-2 and Associated Transfers (in from Conveyor C6, out to Conveyor C7, Conveyor C8, and Conveyor C9)	50	200	24	WDS	2.640	0.888	0.060	OOO	7%



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Source #	Source Description	Maximum Fuel Rate	Maximum Operating Hours	Calculated Emissions	Pollutant	Applicable 40 CFR Part 63 Subpart
		gal/hr	hrs/day	lbs/day		
System 2 - Generators						
S2.001	299 HP Diesel Engine	15	24	15.62	PM	ZZZZ
				15.62	PM <sub>10</sub>	
				15.62	PM <sub>2.5</sub>	
				222.26	NO <sub>x</sub>	
				14.62	SO <sub>2</sub>	
				47.88	CO	
				17.64	VOC's	
				20%	Opacity	

Systems Emission Limits (lb/day)							
Pollutant	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	NO <sub>x</sub>	SO <sub>2</sub>	CO	VOC
System 1 - Crushing and Screening	11.7	4.2	0.6				
System 2 - Generators	15.6	15.6	15.6	222.3	14.6	47.9	17.64
Calculated Emissions	27.3	19.8	16.2	222.3	14.6	47.9	17.6
General Limit	61.0	31.9	17.9	222.3	14.6	47.9	17.6
Result	MEETS	MEETS	MEETS	MEETS	MEETS	MEETS	MEETS

\*\*\*End of Specific Operating Conditions\*\*\*



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**CLASS II GENERAL AIR QUALITY OPERATING PERMIT  
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**Section VI. Surface Area Disturbance Conditions**

**A. Fugitive Dust (NAC 445B.22037) (*Federally Enforceable SIP Requirement*)**

1. No person may cause or permit the handling, transporting or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, “best practical methods” includes, but is not limited to, paving, chemical stabilization, watering, phased construction and revegetation.
3. Except as otherwise provided in subsection 4, no person may disturb or cover 5 acres or more of land or its topsoil until he has obtained an operating permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
  - a. Agricultural activities occurring on agricultural land; or
  - b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

**\*\*\*End of Surface Area Disturbance Conditions\*\*\***



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### CLASS II GENERAL AIR QUALITY OPERATING PERMIT FOR NONMETALLIC MINERALS CRUSHING AND SCREENING

#### Section VII. Amendments

##### This Permit:

1. Is non-transferable. (NAC 445B.287(3))(Federally Enforceable SIP Requirement)
2. Will be posted conspicuously at or near the stationary source. (NAC 445B.318(5))(Federally Enforceable SIP Requirement)
3. Has an effective date of **September 1, 2022 to September 1, 2027** (NAC 445B.3477(11), NAC 445B.3477(12)) (Federally Enforceable SIP Requirement)
4. The authority to operate under a Class II general permit expires after 5 years. An owner or operator of a stationary source operating under the authority of a Class II general permit shall apply to renew his authority to operate under the Class II general permit at least 30 days before his authorization expires. (NAC 445B.3477(12))(Federally Enforceable SIP Requirement)
5. Any person aggrieved by a final decision of the Department may, not later than 10 days after notice of the action of the Department, appeal the decision by filing a request for a hearing before the Commission on a form 3\* with the State Environmental Commission, 901 South Stewart Street, Suite 4001, Carson City, Nevada 89701-5249. \*(See adopting agency for form.)(NAC 445B.890)(State Only Requirement)
6. A person may challenge the provisions of a Class II general permit only at the time the Class II general permit is issued. The Director's grant or denial of authority to operate under a Class II general permit to a stationary source or stationary sources does not provide an opportunity for an administrative review or a judicial review of the Class II general permit. (NAC 445B.3477(9))(Federally Enforceable SIP Requirement)

THIS PERMIT EXPIRES ON: **September 1, 2027**

Signature: \_\_\_\_\_

Issued by:

**SUPERVISOR NAME**

Supervisor, Permitting Branch  
Bureau of Air Pollution Control

Phone: \_\_\_\_\_

(775) 687- XXXX

Date: \_\_\_\_\_

**Date**