



## Bureau of Air Pollution Control

901 SOUTH STEWART STREET SUITE 4001

CARSON CITY, NEVADA 89701-5249

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

**Facility ID No. A0487**

**Draft Permit No. AP1611-3457.02**

### CLASS II AIR QUALITY OPERATING PERMIT

**Issued to:** H.E. HUNEWILL CONSTRUCTION COMPANY, INC. (HEREINAFTER REFERRED TO AS PERMITTEE)

**Mailing Address:** 1410 W. RAILROAD ROAD, WINNEMUCCA, NV 89445

**Physical Address:** GRASS VALLEY ROAD AND EAST COMMANDER DRIVE, THOMAS CREEK – SONOMA PIT

**Driving Directions:** FROM I-80 NEAR WINNEMUCCA, TAKE EXIT 173. TURN RIGHT ONTO W. ROSE CREEK ROAD. TURN LEFT ONTO AIRPORT ROAD. TURN RIGHT ONTO GRASS VALLEY ROAD. TURN LEFT ONTO E. COMMANDER DRIVE AND THE FACILITY WILL BE ON THE RIGHT.

**General Facility Location:** SECTION 24, T 35 N, R 37 E, MDB&M  
SECTION 19, T 35 N, R 38 E, MDB&M  
HA 71 – GRASS VALLEY / HUMBOLDT COUNTY  
NORTH 4,527,477 M, EAST 436,286 M, UTM ZONE 11, NAD 83

#### Emission Unit List:

##### Portable Screening Plant

###### A. System 01 – Grizzly Feeder and Conveyor Transfers

- PF1.001 Front End Loader into Grizzly Feeder
- PF1.002 Grizzly Feeder Transfer to Conveyor C-40
- PF1.003 Conveyor C-41 Transfer to Oversize Stockpile #11
- PF1.004 Conveyor C-42 Transfer to Middling Stockpile #12
- PF1.005 Conveyor C-43 Transfer to Undersize Stockpile #13

###### B. System 02 – Aggregate Screen (S-4) and Associated Transfers

- PF1.006 Aggregate Screen (S-4) and Associated Transfers (IN – Conveyor C-40; OUT – Conveyor C-41 or Conveyor C-42 or Conveyor C-43)

##### Primary, Secondary, and Tertiary Crushing and Screening Plants

###### C. System 03 – Grizzly and Conveyor Transfers

- PF1.007 Front End Loader into Feeder Grizzly
- PF1.008 Conveyor C-1 Transfer to Conveyor C-2
- PF1.009 Conveyor C-3 Transfer to Conveyor C-4 or Conveyor C-9
- PF1.010 Conveyor C-4 Transfer to Conveyor C-5
- PF1.011 Conveyor C-5 Transfer to Conveyor C-6
- PF1.012 Conveyor C-6 Transfer to Stockpile
- PF1.013 Conveyor C-13 Transfer to Conveyor C-14
- PF1.014 Conveyor C-14 Transfer to Conveyor C-15
- PF1.015 Conveyor C-20 Transfer to Conveyor C-21
- PF1.016 Conveyor C-21 Transfer to Conveyor C-22
- PF1.017 Conveyor C-22 Transfer to Stockpile
- PF1.018 Conveyor C-16 Transfer to Conveyor C-17
- PF1.019 Conveyor C-17 Transfer to Stockpile
- PF1.020 Conveyor C-9 Transfer to Conveyor C-11
- PF1.021 Conveyor C-10 Transfer to Conveyor C-11
- PF1.022 Conveyor C-18 Transfer to Conveyor C-19
- PF1.023 Conveyor C-19 Transfer to Stockpile



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**Emission Unit List (continued):**

**D. System 04 – Crushers**

- PF1.024 Primary Crusher and Associated Transfers (IN – Primary Crusher Feeder; OUT – Conveyor C-1)
- PF1.025 Secondary Crusher and Associated Transfers (IN – Conveyor C-8; OUT – Conveyor C-13)
- PF1.026 Tertiary Crusher and Associated Transfers (IN – Conveyor C-7 and Conveyor C-12; OUT – Conveyor C-10)

**E. System 05 – Screens**

- PF1.027 Primary Screen and Associated Transfers (IN – Conveyor C-2; OUT – Conveyor C-3 or Conveyor C-7 or Conveyor C-8)
- PF1.028 Secondary Screen and Associated Transfers (IN – Conveyor C-15; OUT – Conveyor C-12 or Conveyor C-16 or Conveyor C-20)
- PF1.029 Tertiary Screen and Associated Transfers (IN – Conveyor C-11; OUT – Conveyor C-18 (undersize) or Conveyor C-12 (oversize))

**F. System 06 – Plant Generator**

- S2.001 1,502 hp Caterpillar Diesel Generator (Model: C32, Mfd. 2007)

**Asphalt Hot Mix Plant**

**G. System 07 – 4-Bin Feeder and Weigh Belt Transfers**

- PF1.030 Front End Loader Transfer to 4-Bin Feeder
- PF1.031 4-Bin Feeder Transfer to Collection Conveyor C-29
- PF1.032 Weigh Belt C-30 Transfer to Slinger Belt C-31

**H. System 08 – Scalping Screen 1 and Associated Transfers**

- PF1.033 Scalping Screen 1 and Associated Transfers (IN – Collection Conveyor C-29; OUT – Weigh Belt C-30)

**I. System 09 – Slinger Belt Transfers**

- PF1.034 Slinger Belt C-31 Transfer to PVM 375 Drum Dryer / Mixer

**J. System 10 – Front End Loader and Weigh Belt Transfers**

- PF1.035 Front End Loader Transfer to RAP Bin Feeder
- PF1.036 Weigh Belt C-32 Transfer to Conveyor C-33

**K. System 11 – Scalping Screen 2 / Breaker and Associated Transfers**

- PF1.037 Scalping Screen 2 / Breaker and Associated Transfers (IN – RAP Bin Feeder; OUT – Weigh Belt C-32)

**L. System 12 – Conveyor Transfers**

- PF1.038 Conveyor C-33 Transfer to PVM 375 Drum Dryer / Mixer

**M. System 13 – Parallel Flow Drum Dryer Transfer**

- PF1.039 Parallel Flow Drum Dryer Transfer to Slat Conveyor C-34

**N. System 14 – Baghouse Fines**

- PF1.040 BH Fines Transfer to Baghouse Fines Auger 1
- PF1.041 Baghouse Fines Auger 1 Transfer to Fines Auger 2
- PF1.042 Fines Auger 2 Transfer to BH Fines Cover Stockpile

**O. System 15 – Asphalt Silo**

- PF1.043 Asphalt Silo Loading (IN – Slat Conveyor C-34)
- PF1.044 Asphalt Silo Unloading (OUT – Truck Loadout)



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**Emission Unit List (continued):**

**P. System 16 – Drum Dryer**

S2.002 Parallel Flow Drum Dryer and Associated Diesel Fired Burner

**Marination Plant**

**Q. System 17 – Bin Feeder**

PF1.045 Loader Transfer to Bin Feeder

PF1.046 Bin Feeder Transfer to Conveyor C-26

PF1.047 Conveyor C-26 Transfer to Pugmill

**R. System 18 – Pugmill**

PF1.048 Pugmill

**S. System 19 – Conveyor Transfer**

PF1.049 Feed Auger Lime Transfer to Pugmill

**T. System 20 – Conveyor Transfers**

PF1.050 Pugmill Transfer to Conveyor C-27

PF1.051 Conveyor C-27 Transfer to Conveyor C-28

PF1.052 Conveyor C-28 Transfer to Stockpile (Marination)

**U. System 21 – Lime Silo**

S2.003 Lime Silo Loading

PF1.054 Lime Silo Unloading (OUT – Feed Auger)

**Wash Plant**

**V. System 22 – Bin Feeder**

PF1.055 Front End Loader to Wash Plant Bin Feeder

PF1.056 Wash Plant Bin Feeder to Conveyor C-21

**W. System 23 – Wash Screen (S-3) and Associated Transfers**

PF1.057 Wash Screen (S-3) and Associated Transfers (IN – Conveyor C-21; OUT – Conveyor C-22 or Conveyor C-23 or Conveyor C-24 or Conveyor C-25)

**X. System 24 – Conveyor Transfers**

PF1.058 Conveyor C-22 Transfer to Stockpile #6

PF1.059 Conveyor C-23 Transfer to Stockpile #7

**Y. System 25 – Conveyor Transfers**

PF1.060 Conveyor C-24 Transfer to Stockpile #8

PF1.061 Conveyor C-25 Transfer to Stockpile #9

**Z. System 26 – Generator**

S2.004 306 hp Caterpillar Diesel Generator (Model: 3306, Mfd. before 2006)

**\*\*\*\*End of Emission Unit List\*\*\*\***



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**Section I. General Provisions**

**A. 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.

**B. 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 CFR 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 CFR 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.
3. If the provisions of 40 CFR Part 60, Subpart D or Da apply to an emission unit, the emission unit must be allowed one 6-minute period per hour of not more than 27 percent opacity as set forth in 40 CFR 60.42(a)(2) and 40 CFR 60.42a(b).
4. The continuous monitoring system for monitoring opacity at a facility must be operated and maintained by the owner or operator specified in the permit for the facility in accordance with NAC 445B.256 to 445B.267, inclusive.

**C. 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.



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

**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*)**

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.

**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.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 this Operating 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 (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.



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

**G. Excess Emissions (NAC 445B.232) (*State Only Requirement*) (continued)**

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. Testing and Sampling (NAC 445B.252) (*Federally Enforceable SIP Requirement*)**

1. To determine compliance with 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 method of reference 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 performance test. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a performance test 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.





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

H. Testing and Sampling (NAC 445B.252) (*Federally Enforceable SIP Requirement*) (continued)

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.

I. Permit Revision (NAC 445B.287(1)(b)) (*Federally Enforceable SIP Requirement*)

If a stationary source is a Class II source, a revision of the operating permit or the permit to construct is required pursuant to the requirements of NAC 445B.3465 before the stationary source may be modified.

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

1. Failure to comply with any requirement of 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.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.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.

K. 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.390, inclusive, as a condition of approving an operating permit for the proposed stationary source.



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

**L. Contents of operating permits: Exception for operating permits to construct; required conditions (NAC 445B.315)  
(Federally Enforceable SIP Requirement)**

1. Notwithstanding any provision of this section to the contrary, the provisions of this section do not apply to operating permits to construct.
2. The Director shall cite the legal authority for each condition contained in an operating permit.
3. An operating permit must contain the following conditions:
  - a. The term of the operating permit is 5 years.
  - b. 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.
  - c. 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.
  - d. 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:
    - (1) An action for noncompliance;
    - (2) Revising, revoking, reopening and revising, or terminating the operating permit by the Director; or
    - (3) Denial of an application for a renewal of the operating permit by the Director.
  - e. 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.
  - f. The Director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.
  - g. The operating permit does not convey any property rights or any exclusive privilege.
  - h. 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.
  - i. 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.
  - j. The holder of the operating permit shall allow the Director or any authorized representative, upon presentation of credentials, to:
    - (1) Enter upon the premises of the holder of the operating permit where:
      - (a) The stationary source is located;
      - (b) Activity related to emissions is conducted; or
      - (c) Records are kept pursuant to the conditions of the operating permit;
    - (2) Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of the operating permit;
    - (3) 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
    - (4) Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of the operating permit or applicable requirements.
  - k. 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.





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

**M. Operating permits: Revocation and reissuance (NAC 445B.3265) (*State Only Requirement*)**

1. An operating permit may be revoked if the control equipment is not operating.
2. An operating permit may be revoked by the Director upon determining that there has been a violation of NAC 445B.001 to 445B.390, inclusive, or the provisions of 40 CFR 52.21, or 40 CFR Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants, adopted by reference in NAC 445B.221.
3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.
4. To reissue a revoked operating permit, the holder of the revoked permit must file a new application with the Director, accompanied by the fee for an initial operating permit as specified in NAC 445B.327. An environmental review of the stationary source must be conducted as though construction had not yet commenced.

**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.390, inclusive:
  - 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 II. General Monitoring, Recordkeeping, and Reporting Conditions**

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

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*)

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 I.G.**

**E-mail notifications to:** [aircompliance@ndep.nv.gov](mailto:aircompliance@ndep.nv.gov)

C. Yearly Reports (NAC 445B.315(3)(h), NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

Under the authority of NAC 445B.315(3)(h) and NAC 445B.346(2) the Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, emissions and supporting documentation to support the calculation of annual emissions. These reports and supporting documentation (if applicable) will be submitted via the State and Local Emissions Inventory System (SLEIS) maintained by the Bureau of Air Quality Planning for all emission units/systems specified. The completed report must be submitted to the Bureau of Air Quality Planning no later than March 1 annually for the preceding calendar year.

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



**Bureau of Air Pollution Control**

***Facility ID No. A0487***

***Draft Permit No. AP1611-3457.02***

**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

**Section III. General Construction Conditions**

A. Notification of Director: Construction, reconstruction and initial start-up; demonstration of continuous monitoring system performance. (NAC 445B.250) (*Federally Enforceable SIP Requirement*)

Any owner or operator subject to the provisions of 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 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 start-up of an affected facility, postmarked within 15 days after such date.
4. The date upon which demonstration of the continuous monitoring system performance commences in accordance with NAC 445B.256 to 445B.267, inclusive. Notification must be postmarked not less than 30 days before such date.

**\*\*\*\*End of General Construction Conditions\*\*\*\***

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section IV. Specific Construction Requirements****A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))  
(Federally Enforceable SIP Requirement)**

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.346, the Permittee, upon issuance of this operating permit, shall conduct initial opacity compliance demonstrations and/or initial performance tests within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. The Permittee shall follow the test methods and procedures referenced in Table IV-1 and Table IV-2 below:

**Table IV-1: Initial Opacity Compliance Demonstration**

System	Emission Unit(s)	Pollutant To Be Tested	Testing Methods/Procedures
System 6 – Crushing and Screening – Plant Generator	S2.001	Opacity	Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. 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.
System 26 – Wash Plant – Generator	S2.004		

**Table IV-2: Initial Performance Tests**

System	Emission Unit(s)	Pollutants To Be Tested	Testing Methods/Procedures
System 26 – Wash Plant – Generator	S2.004	CO and O <sub>2</sub>	<ol style="list-style-type: none"><li>(a) Select the sampling port location and the number/location of traverse points at the inlet and outlet of the control device. For CO and O<sub>2</sub> measurement, ducts ≤6 inches in diameter may be sampled at a single point located at the duct centroid and ducts &gt;6 and ≤12 inches in diameter may be sampled at 3 traverse points located at 16.7, 50.0, and 83.3% of the measurement line ('3-point long line'). If the duct is &gt;12 inches in diameter and the sampling port location meets the two and half-diameter criterion of Section 11.1.1 of Method 1 of 40 CFR Part 60, appendix A-1, the duct may be sampled at '3-point long line'; otherwise, conduct the stratification testing and select sampling points according to Section 8.1.2 of Method 7E of 40 CFR Part 60, appendix A-4.</li><li>(b) Measure the O<sub>2</sub> at the inlet and outlet of the control device using Method 3 or 3A or 3B of 40 CFR Part 60, appendix A-2, or ASTM Method D6522-00. Measurements to determine O<sub>2</sub> must be made at the same time as the measurements for CO concentration.</li><li>(c) Measure the CO at the inlet and the outlet of the control device using ASTM D6522-00 or Method 10 of 40 CFR Part 60, appendix A-4. The CO concentration must be at 15 percent O<sub>2</sub>, dry basis.</li></ol>



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

**Section IV. Specific Construction Requirements (continued)**

- A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))  
(*Federally Enforceable SIP Requirement*) (continued)
2. All initial opacity compliance demonstrations and initial performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of **Section I.H. Testing and Sampling** (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All initial performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
  3. Testing shall be conducted on the exhaust stack (post controls).
  4. Initial opacity compliance demonstrations and initial performance tests, as specified in Table IV-1 and Table IV-2 above, 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 Permittee shall make available to the Director such records as may be necessary to determine the conditions of the initial opacity compliance demonstrations and initial performance tests. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of the initial opacity compliance demonstrations and initial performance tests unless otherwise specified in the applicable standard. (NAC 445B.252(3))
  5. The Permittee shall give notice to the Director 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to have an observer present. A written testing procedure must be submitted to the Director at least 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to review the proposed testing procedures. (NAC 445B.252(4) and 40 CFR Part 60.7(a)(6))
  6. Within 60 days after completing the initial opacity compliance demonstrations and initial performance tests contained in Table IV-1 and Table IV-2 of this section, the Permittee shall furnish the Director a written report of the results. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3689, inclusive. (NAC 445B.252(8))
  7. Initial opacity compliance demonstrations and initial performance tests required under this section that are conducted below the maximum allowable throughput, shall be subject to the Director's review to determine if the throughputs during the initial opacity compliance demonstrations and initial performance tests were sufficient to provide adequate compliance demonstration. Should the Director determine that the initial opacity compliance demonstrations and initial performance tests do not provide adequate compliance demonstration, the Director may require additional testing.

**\*\*\*\*End of Specific Construction Requirements\*\*\*\***

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions****A. Emission Units PF1.001 through PF1.005**

System 01 – Portable Screening Plant – Grizzly Feeder and Conveyor Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.001	Front End Loader into Grizzly Feeder	4,527,277 4,527,683	435,848 436,708
PF1.002	Grizzly Feeder Transfer to Conveyor C-40	4,527,277 4,527,683	435,848 436,708
PF1.003	Conveyor C-41 Transfer to Oversize Stockpile #11	4,527,282 4,527,689	435,858 436,718
PF1.004	Conveyor C-42 Transfer to Middling Stockpile #12	4,527,290 4,527,697	435,848 436,708
PF1.005	Conveyor C-43 Transfer to Undersize Stockpile #13	4,527,282 4,527,689	435,837 436,698

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.001 through PF1.005, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.001 through PF1.005, each**, shall not exceed **300.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.001 through PF1.005, each**, may operate a total of **12** hours per day.
    - (2) **PF1.001 through PF1.005, each**, may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.001 through PF1.005, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.056** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.083** pounds per hour, nor more than **0.021** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.0031** tons per year.
  - d. The opacity from **PF1.001 through PF1.005, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.001 through PF1.005, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.001 through PF1.005, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.





**Bureau of Air Pollution Control**

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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**A. Emission Units PF1.001 through PF1.005 (continued)**

**4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)**

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

- f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.001 through PF1.005, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****B. Emission Unit PF1.006**

System 02 – Portable Screening Plant – Aggregate Screen (S-4) and Associated Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.006	Aggregate Screen (S-4) and Associated Transfers (IN - Conveyor C-40; Out - Conveyor C-41 or Conveyor C-42 or Conveyor C-43)	4,527,284 4,527,690	435,848 436,709

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.006** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.006** shall not exceed **300.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.006** may operate a total of **12** hours per day.
    - (2) **PF1.006** may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.006** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.88** pounds per hour, nor more than **0.47** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **0.16** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.099** pounds per hour, nor more than **0.025** tons per year.
  - d. The opacity from **PF1.006** shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.006** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.006** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**B. Emission Unit PF1.006 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.006** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****C. Emission Units PF1.007 through PF1.023**

<b>System 03 – Primary, Secondary, and Tertiary Crushing and Screening Plants – Grizzly and Conveyor Transfers</b>		<b>Location UTM (Zone 11, NAD 83)</b>	
		<b>m North</b>	<b>m East</b>
PF1.007	Front End Loader into Feeder Grizzly	4,527,738	436,906
PF1.008	Conveyor C-1 Transfer to Conveyor C-2	4,527,739	436,898
PF1.009	Conveyor C-3 Transfer to Conveyor C-4 or Conveyor C-9	4,527,741	436,884
PF1.010	Conveyor C-4 Transfer to Conveyor C-5	4,527,754	436,885
PF1.011	Conveyor C-5 Transfer to Conveyor C-6	4,527,766	436,885
PF1.012	Conveyor C-6 Transfer to Stockpile	4,527,796	436,885
PF1.013	Conveyor C-13 Transfer to Conveyor C-14	4,527,717	436,876
PF1.014	Conveyor C-14 Transfer to Conveyor C-15	4,527,726	436,868
PF1.015	Conveyor C-20 Transfer to Conveyor C-21	4,527,725	436,859
PF1.016	Conveyor C-21 Transfer to Conveyor C-22	4,527,713	436,859
PF1.017	Conveyor C-22 Transfer to Stockpile	4,527,687	436,844
PF1.018	Conveyor C-16 Transfer to Conveyor C-17	4,527,735	436,845
PF1.019	Conveyor C-17 Transfer to Stockpile	4,527,715	436,823
PF1.020	Conveyor C-9 Transfer to Conveyor C-11	4,527,742	436,872
PF1.021	Conveyor C-10 Transfer to Conveyor C-11	4,527,742	436,872
PF1.022	Conveyor C-18 Transfer to Conveyor C-19	4,527,746	436,856
PF1.023	Conveyor C-19 Transfer to Stockpile	4,527,755	436,828

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.007 through PF1.023, each**, shall be controlled by **commercially designed water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.007 through PF1.023, each**, shall not exceed **500.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **1,200,000.0** tons per year.
  - b. Hours
    - (1) **PF1.007 through PF1.023, each**, may operate a total of **12** hours per day.
    - (2) **PF1.007 through PF1.023, each**, may operate a total of **2,400** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.007 through PF1.023, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.27** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.083** pounds per hour, nor more than **0.099** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.015** tons per year.
  - d. The opacity from **PF1.007, PF1.012, PF1.017, PF1.019, and PF1.023, each**, shall not equal or exceed **20** percent.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**C. Emission Units PF1.007 through PF1.023 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

- a. Monitor and record the throughput for **PF1.007 through PF1.023, each**, on a daily basis.
- b. Monitor and record the hours of operation for **PF1.007 through PF1.023, each**, on a daily basis.
- c. Record 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.
- d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
- e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
- f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.007 through PF1.023, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
- h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))



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

**C. Emission Units PF1.007 through PF1.023 (continued)**

5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
  - a. Emission Limits (40 CFR Part 60.672, Table 3)

On and after the sixtieth day after achieving the maximum production rate at which **PF1.008 through PF1.011, PF1.013 through PF1.016, PF1.018, and PF1.020 through PF1.022, each**, will be operated, but not later than 180 days after initial startup, the Permittee shall not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:

    - (1) Process fugitive emissions from **PF1.008 through PF1.011, PF1.013 through PF1.016, PF1.018, and PF1.020 through PF1.022, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
    - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction, and as otherwise provided in the applicable standard. (40 CFR 60.11(c))
  - b. 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 60.676(b). (40 CFR 60.674(b))
  - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
  - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.008 through PF1.011, PF1.013 through PF1.016, PF1.018, and PF1.020 through PF1.022, each**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))



**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****D. Emission Units PF1.024 through PF1.026**

<b>System 04 – Primary, Secondary, and Tertiary Crushing and Screening Plants – Crushers</b>		<b>Location UTM (Zone 11, NAD 83)</b>	
		<b>m North</b>	<b>m East</b>
PF1.024	Primary Crusher and Associated Transfers (IN - Primary Crusher Feeder; OUT - Conveyor C-1)	4,527,738	436,902
PF1.025	Secondary Crusher and Associated Transfers (IN - Conveyor C-8; OUT - Conveyor C-13)	4,527,717	436,844
PF1.026	Tertiary Crusher and Associated Transfers (IN - Conveyor C-7 and Conveyor C-12; OUT - Conveyor C-10)	4,527,734	436,872

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.024 through PF1.026, each**, shall be controlled by **commercially designed water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.024 through PF1.026, each**, shall not exceed **500.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **1,200,000.0** tons per year.
  - b. Hours
    - (1) **PF1.024 through PF1.026, each**, may operate a total of **12** hours per day.
    - (2) **PF1.024 through PF1.026, each**, may operate a total of **2,400** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.024 through PF1.026, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.68** pounds per hour, nor more than **0.81** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **0.36** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.045** pounds per hour, nor more than **0.055** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.024 through PF1.026, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.024 through PF1.026, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.024 through PF1.026, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**D. Emission Units PF1.024 through PF1.026 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
  - a. Emission Limits (40 CFR Part 60.672, Table 3)  
On and after the sixtieth day after achieving the maximum production rate at which **PF1.024 through PF1.026, each**, will be operated, but not later than 180 days after initial startup, the Permittee shall not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
    - (1) Process fugitive emissions from **PF1.024 through PF1.026, each**, will not exceed **12 percent** opacity. (40 CFR Part 60.672(b))
    - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction, and as otherwise provided in the applicable standard. (40 CFR 60.11(c))
  - b. 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 expediently 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 60.676(b). (40 CFR 60.674(b))
  - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
  - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.024 through PF1.026, each**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 05 – Primary, Secondary, and Tertiary Crushing and Screening Plants – Screens		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.027	Primary Screen and Associated Transfers (IN – Conveyor C-2; OUT – Conveyor C-3 or Conveyor C-7 or Conveyor C-8)	4,527,735	436,884
PF1.028	Secondary Screen and Associated Transfers (IN – Conveyor C-15; OUT – Conveyor C-12 or Conveyor C-16 or Conveyor C-20)	4,527,731	436,859
PF1.029	Tertiary Screen and Associated Transfers (IN – Conveyor C-11; OUT – Conveyor C-18 (undersize) or Conveyor C-12 (oversize))	4,527,739	436,859

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.027 through PF1.029, each**, shall be controlled by **commercially designed water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.027 through PF1.029, each**, shall not exceed **500.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **1,200,000.0** tons per year.
  - b. Hours
    - (1) **PF1.027 through PF1.029, each**, may operate a total of **12** hours per day.
    - (2) **PF1.027 through PF1.029, each**, may operate a total of **2,400** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.027 through PF1.029, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.88** pounds per hour, nor more than **2.25** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **0.78** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.099** pounds per hour, nor more than **0.12** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.027 through PF1.029, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.027 through PF1.029, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.027 through PF1.029, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**E. Emission Units PF1.027 through PF1.029 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
  - a. Emission Limits (40 CFR Part 60.672, Table 3)  
On and after the sixtieth day after achieving the maximum production rate at which **PF1.027 through PF1.029, each**, will be operated, but not later than 180 days after initial startup, the Permittee shall not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
    - (1) Process fugitive emissions from **PF1.027 through PF1.029, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
    - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction, and as otherwise provided in the applicable standard. (40 CFR 60.11(c))
  - b. 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 expediently 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 60.676(b). (40 CFR 60.674(b))
  - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
  - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.027 through PF1.029, each**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 06 – Primary, Secondary, and Tertiary Crushing and Screening Plants – Plant Generator		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.001	1,502 hp Caterpillar Diesel Generator (Model: C32, Mfd. 2007)	4,527,725	436,894

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.001** has no add-on controls.
  - b. Descriptive Stack Parameters  
Stack Height: 13.12 feet  
Stack Diameter: 1.0 feet  
Stack Temperature: 965 °F
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.001** may consume only **diesel**.
  - b. The maximum allowable fuel consumption rate for **S2.001** shall not exceed **74.3 gallons** per any one-hour period.
  - c. Hours
    - (1) **S2.001** may operate a total of **12** hours per day.
    - (2) **S2.001** may operate a total of **2,400** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B. 22017) (*Federally Enforceable SIP Requirement*)

The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.001** the following pollutants in excess of the following specified limits:

  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.084** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.084** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.084** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **0.016** pounds per hour, nor more than **0.019** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **14.1** pounds per hour, nor more than **16.9** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.63** pounds per hour, nor more than **0.76** tons per year.
  - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.040** pounds per hour, nor more than **0.048** tons per year.
  - h. The opacity from **S2.001** shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

  - a. Monitor and record the total daily hours of operation for **S2.001** for each day of operation.
  - b. Monitor and record the consumption rate of **diesel** on a daily basis for **S2.001** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **F.2.b** of this section and the total daily hours of operation.
  - c. Monitor and record the total yearly hours of operation of **S2.001** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
  - d. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))





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

**F. Emission Unit S2.001 (continued)**

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
  - a. Emissions Standards (40 CFR 60.4204)

The Permittee must comply with the emission standards for new non-road CI (compression ignition) ICE (internal combustion engine) in 40 CFR 60.4201, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later non-emergency stationary CI ICE. (40 CFR 60.4204(b))

    - (1) For a 2007 model year and later Tier 2 non-road engine with a rated power greater than 560 kW: (40 CFR 60.4201(a), 40 CFR 1039 Appendix I)
      - (a) The discharge of PM to the atmosphere shall not exceed **0.2 grams/kW-hr (0.44 pounds per hour)**.
      - (b) The discharge of CO to the atmosphere shall not exceed **3.5 grams/kW-hr (7.72 pounds per hour)**.
      - (c) The discharge of NMHC (non-methane hydrocarbon) + NO<sub>x</sub> to the atmosphere shall not exceed **6.4 grams/kW-hr (14.1 pounds per hour)**.
    - (2) Exhaust opacity from CI non-road engines must not exceed: (40 CFR 60.4201(a), 40 CFR 1039.105(b))
      - (a) 20 percent during the acceleration mode;
      - (b) 15 percent during the lugging mode; and
      - (c) 50 percent during the peaks in either the acceleration or lugging modes. ***OR***
  - b. Fuel requirements (40 CFR 60.4207)

The Permittee must meet the following diesel requirements for non-road engine: (40 CFR 60.4207, 40 CFR 1090.305)

    - (1) Sulfur content to be 15 parts per million (ppm) maximum.
    - (2) A minimum cetane index of 40; or
    - (3) A maximum aromatic content of 35 volume percent.
  - c. Monitoring requirements (40 CFR 60.4209(b))

If your engine is equipped with a diesel particulate filter:

    - (1) The Permittee 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.
  - d. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)
    - (1) The Permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4204 over the entire life of the engine. (40 CFR 60.4206)
    - (2) The Permittee 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 except as permitted in **F.5.d.(3)** of this section. (40 CFR 60.4211(a))
    - (3) If the Permittee does not install, configure, operate, and maintain the Permittee's engine and control device according to the manufacturer's emission-related written instructions, or the Permittee change emission-related settings in a way that is not permitted by the manufacturer, the Permittee must demonstrate compliance as follows: (40 CFR 60.4211(g))
      - (a) For CI ICE greater than 500 hp, the Permittee 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 Permittee 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 Permittee change emission-related settings in a way that is not permitted by the manufacturer. The Permittee must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards. (40 CFR 60.4211(g)(3))





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

**F. Emission Unit S2.001 (continued)**

- e. 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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System 07 – Hot Mix Asphalt Plant – 4-Bin Feeder and Weigh Belt Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.030	Front End Loader Transfer to 4-Bin Feeder	4,527,765	436,430
PF1.031	4-Bin Feeder Transfer to Collection Conveyor C-29	4,527,772	436,430
PF1.032	Weigh Belt C-30 Transfer to Slinger Belt C-31	4,527,775	436,422

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.030 through PF1.032, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.030 through PF1.032, each**, shall not exceed **240.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **119,848.0** tons per year.
  - b. Hours
    - (1) **PF1.030 through PF1.032, each**, may operate a total of **12** hours per day.
    - (2) **PF1.030 through PF1.032, each**, may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.030 through PF1.032, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.18** pounds per hour, nor more than **0.045** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.066** pounds per hour, nor more than **0.016** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.010** pounds per hour, nor more than **0.0025** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.030 through PF1.032, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.030 through PF1.032, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.030 through PF1.032, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



**Bureau of Air Pollution Control**

**Facility ID No. A0487**

**Draft Permit No. AP1611-3457.02**

**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**G. Emission Units PF1.030 through PF1.032 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.030 through PF1.032, each**, is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.030 through PF1.032, each**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****H. Emission Unit PF1.033**

System 08 – Hot Mix Asphalt Plant – Scalping Screen 1 and Associated Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.033	Scalping Screen 1 and Associated Transfers (IN – Collection Conveyor C-29; OUT – Weigh Belt C-30)	4,527,775	436,430

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.033** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.033** shall not exceed **240.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **119,848.0** tons per year.
  - b. Hours
    - (1) **PF1.033** may operate a total of **12** hours per day.
    - (2) **PF1.033** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.033** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.50** pounds per hour, nor more than **0.37** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **0.13** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.079** pounds per hour, nor more than **0.020** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.033** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.033** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.033** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**H. Emission Unit PF1.033 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.033** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.033** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 09 – Hot Mix Asphalt Plant – Slinger Belt Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.034	Slinger Belt C-31 Transfer to PVM 375 Drum Dryer / Mixer	4,527,778	436,422

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.034** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.034** shall not exceed **240.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **119,848.0** tons per year.
  - b. Hours
    - (1) **PF1.034** may operate a total of **12** hours per day.
    - (2) **PF1.034** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.034** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.36** pounds per hour, nor more than **0.090** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.033** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.020** pounds per hour, nor more than **0.0050** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.034** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.034** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.034** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.





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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**I. Emission Unit PF1.034 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. Inspect the enclosure installed on **PF1.034** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.034** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.034** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 10 – Hot Mix Asphalt Plant – Front End Loader and Weigh Belt Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.035	Front End Loader Transfer to RAP Bin Feeder	4,527,773	436,439
PF1.036	Weigh Belt C-32 Transfer to Conveyor C-33	4,527,781	436,428

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.035 and PF1.036, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.035 and PF1.036, each**, shall not exceed **42.0** tons of **RAP** per any one-hour period averaged over a daily basis, nor more than **21,152.0** tons per year.
  - b. Hours
    - (1) **PF1.035 and PF1.036, each**, may operate a total of **12** hours per day.
    - (2) **PF1.035 and PF1.036, each**, may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.035 and PF1.036, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.032** pounds per hour, nor more than **0.0079** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0029** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0018** pounds per hour, nor more than **0.00044** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.035 and PF1.036, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.035 and PF1.036, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.035 and PF1.036, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**J. Emission Units PF1.035 and PF1.036 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.035 and PF1.036, each**, is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.035 and PF1.036** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****K. Emission Unit PF1.037**

System 11 – Hot Mix Asphalt Plant – Scalping Screen 2 / Breakers and Associated Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.037	Scalping Screen 2 / Breaker and Associated Transfers (IN - RAP Bin Feeder; OUT - Weigh Belt C-32)	4,527,774	436,436

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.037** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.037** shall not exceed **42.0** tons of **RAP** per any one-hour period averaged over a daily basis, nor more than **21,152.0** tons per year.
  - b. Hours
    - (1) **PF1.037** may operate a total of **12** hours per day.
    - (2) **PF1.037** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.037** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.26** pounds per hour, nor more than **0.066** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.091** pounds per hour, nor more than **0.023** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.014** pounds per hour, nor more than **0.0035** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.037** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.037** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.037** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**K. Emission Unit PF1.037 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.037** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.037** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0487****Draft Permit No. AP1611-3457.02****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****L. Emission Unit PF1.038**

System 12 – Hot Mix Asphalt Plant – Conveyor Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.038	Conveyor C-33 Transfer to PVM 375 Drum Dryer/Mixer	4,527,784	436,421

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.038** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.038** shall not exceed **42.0** tons of **RAP** per any one-hour period averaged over a daily basis, nor more than **21,152.0** tons per year.
  - b. Hours
    - (1) **PF1.038** may operate a total of **12** hours per day.
    - (2) **PF1.038** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.038** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.063** pounds per hour, nor more than **0.016** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.023** pounds per hour, nor more than **0.0058** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0035** pounds per hour, nor more than **0.00088** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.038** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.038** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.038** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.





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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**L. Emission Unit PF1.038 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. Inspect the enclosure installed on **PF1.038** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.038** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.038** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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<b>System 13 – Hot Mix Asphalt Plant – Parallel Flow Drum Dryer Transfer</b>		<b>Location UTM (Zone 11, NAD 83)</b>	
		<b>m North</b>	<b>m East</b>
<b>PF1.039</b>	<b>Parallel Flow Drum Dryer Transfer to Slat Conveyor C-34</b>	<b>4,527,790</b>	<b>436,421</b>

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.039** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.039** shall not exceed **300.0** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.039** may operate a total of **12** hours per day.
    - (2) **PF1.039** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.039** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.078** pounds per hour, nor more than **0.020** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.078** pounds per hour, nor more than **0.020** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.078** pounds per hour, nor more than **0.020** tons per year.
  - d. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.40** pounds per hour, nor more than **0.10** tons per year.
  - e. The discharge of **VOC** (volatile organic compound) to the atmosphere shall not exceed **1.25** pounds per hour, nor more than **0.31** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.039** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.039** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.039** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**M. Emission Unit PF1.039 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. Inspect the enclosure installed on **PF1.039** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.
  - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.039** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.039** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 14 – Hot Mix Asphalt Plant – Baghouse Fines		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.040	BH Fines Transfer to Baghouse Fines Auger 1	4,527,792	436,425
PF1.041	Baghouse Fines Auger 1 Transfer to Fines Auger 2	4,527,790	436,426
PF1.042	Fines Auger 2 Transfer to BH Fines Cover Stockpile	4,527,789	436,426

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.040 through PF1.042, each**, have no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.040 through PF1.042, each**, shall not exceed **0.25** tons of **baghouse fines** per any one-hour period averaged over a daily basis, nor more than **912.5** tons per year.
  - b. Hours
    - (1) **PF1.040 through PF1.042, each**, may operate a total of **24** hours per day.
    - (2) **PF1.040 through PF1.042, each**, may operate a total of **3,650** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.040 through PF1.042, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.00075** pounds per hour, nor more than **0.0014** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.00028** pounds per hour, nor more than **0.00050** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.000042** pounds per hour, nor more than **0.000076** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.040 through PF1.042** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.040 through PF1.042, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**N. Emission Units PF1.040 through PF1.042 (continued)**

5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
  - a. On and after the date on which the performance test required to be conducted for **PF1.040 through PF1.042, each**, is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
    - (1) Exhibit **20** percent opacity, or greater.
  - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
  - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.040 through PF1.042** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 15 – Hot Mix Asphalt Plant - Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.043	Asphalt Silo Loading (IN – Slat Conveyor C-34)	4,527,790	436,415
PF1.044	Asphalt Silo Unloading (OUT – Truck Loadout)	4,527,790	436,413

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **PF1.043** shall be controlled by an **enclosure**.
  - b. **PF1.044** has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.043** and **PF1.044**, each, shall not exceed **300.0** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.043** and **PF1.044**, each, may operate a total of **12** hours per day.
    - (2) **PF1.043** and **PF1.044**, each, may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.043** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.088** pounds per hour, nor more than **0.022** tons per year.
    - (2) The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.088** pounds per hour, nor more than **0.022** tons per year.
    - (3) The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.088** pounds per hour, nor more than **0.022** tons per year.
    - (4) The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.35** pounds per hour, nor more than **0.088** tons per year.
    - (5) The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **3.66** pounds per hour, nor more than **0.91** tons per year.
  - b. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.044** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.039** tons per year.
    - (2) The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.039** tons per year.
    - (3) The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.039** tons per year.
    - (4) The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.40** pounds per hour, nor more than **0.10** tons per year.
    - (5) The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **1.25** pounds per hour, nor more than **0.31** tons per year.





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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**O. Emission Units PF1.043 and PF1.044 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

- a. Monitor and record the throughput for **PF1.043 and PF1.044, each**, on a daily basis.
- b. Monitor and record the hours of operation for **PF1.043 and PF1.044, each**, on a daily basis.
- c. Record 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.
- d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
- e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
- f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.043** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. Inspect the enclosure installed on **PF1.043** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.
- h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)

- a. On and after the date on which the performance test required to be conducted for **PF1.043 and PF1.044, each**, is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
  - (1) Exhibit **20** percent opacity, or greater.
- b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
- c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.043 and PF1.044** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 16 – Hot Mix Asphalt Plant – Drum Dryer		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002	Parallel Flow Drum Dryer and Associated Diesel Fired Burner	4,527,790	436,421

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.002** shall be controlled by a **baghouse**.
  - b. Descriptive Stack Parameters  
Stack Height: 41.5 feet  
Stack Diameter: 4.53 feet  
Stack Temperature: 300 °F  
Exhaust Flow: 40,250 dry standard cubic feet per minute (dscfm)
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **S2.002** shall not exceed **300.0** tons of **aggregate and asphalt oil** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. The maximum allowable fuel consumption rate for **S2.002** shall not exceed **500.0** gallons of **diesel** per any one-hour period, nor more than **600,000.0** gallons per year.
  - c. Hours
    - (1) **S2.002** may operate a total of **12** hours per day.
    - (2) **S2.002** may operate a total of **1,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)

The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.002** the following pollutants in excess of the following specified limits:

  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.90** pounds per hour, nor more than **4.14** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.90** pounds per hour, nor more than **4.14** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **6.90** pounds per hour, nor more than **4.14** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **3.30** pounds per hour, nor more than **0.83** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **16.5** pounds per hour, nor more than **4.13** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **39.0** pounds per hour, nor more than **9.75** tons per year.
  - g. The discharge of **VOC** (volatile organic compound) to the atmosphere shall not exceed **9.60** pounds per hour, nor more than **2.40** tons per year.



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**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**P. Emission Unit S2.002 (continued)**

**4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)**

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

- a. Monitor and record the throughput for **S2.002** on a daily basis.
- b. Monitor and record the hours of operation for **S2.002** on a daily basis.
- c. Monitor and record the consumption rate of **diesel** on a daily basis for **S2.002** (in gallons).
- d. Record 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.
- e. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
- f. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
- g. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.002** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- h. Inspect the baghouse installed on **S2.002** in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric) and any corrective actions taken.
- i. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

**5. Performance and Compliance Testing (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)**

The Permittee, upon issuance of this operating permit, shall conduct renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:

- a. All opacity compliance demonstrations and/or performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H. Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
- b. Testing shall be conducted on the exhaust stack (post controls).
- c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
- d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM<sub>10</sub> and PM<sub>2.5</sub> emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
- e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60. All particulate captured in the Method 5 test performed under this provision shall be considered PM<sub>2.5</sub> for determination of compliance.
- f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
- g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.



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

**P. Emission Unit S2.002 (continued)**

5. Performance and Compliance Testing (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement* (continued))

The Permittee, upon issuance of this operating permit, shall conduct renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:

- h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. 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.
- i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
- j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90))

- a. On and after the date on which the performance test required to be conducted for **S2.002** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
  - (1) Contain particulate matter in excess of **90 mg/dscm** (0.04 gr/dscf). (40 CFR Part 60.92(a)(1))
  - (2) Exhibit 20 percent opacity, or greater.
- b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
- c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **S2.002** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 17 – Marination Plant – Bin Feeder		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.045	Loader Transfer to Bin Feeder	4,527,850	436,482
PF1.046	Bin Feeder Transfer to Conveyor C-26	4,527,848	436,482
PF1.047	Conveyor C-26 Transfer to Pugmill	4,527,837	436,481

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.045 through PF1.047, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.045 through PF1.047, each**, shall not exceed **294.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **147,000.0** tons per year.
  - b. Hours
    - (1) **PF1.045 through PF1.047, each**, may operate a total of **12** hours per day.
    - (2) **PF1.045 through PF1.047, each**, may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.045 through PF1.047, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.22** pounds per hour, nor more than **0.055** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.081** pounds per hour, nor more than **0.020** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0031** tons per year.
  - d. The opacity from **PF1.045 through PF1.047, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.045 through PF1.047, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.045 through PF1.047, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.045 through PF1.047, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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

**Q. Emission Units PF1.045 through PF1.047 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.



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System 18 – Marination Plant - Pugmill		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.048	Pugmill	4,527,837	436,481

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
**PF1.048** has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.048** shall not exceed **300.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.048** may operate a total of **12** hours per day.
    - (2) **PF1.048** may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.048** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **5.52** pounds per hour, nor more than **1.38** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **1.65** pounds per hour, nor more than **0.41** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.25** pounds per hour, nor more than **0.063** tons per year.
  - d. The opacity from **PF1.048** shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.048** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.048** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.

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System 19 – Marination Plant – Conveyor Transfer		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.049	Feed Auger Lime Transfer to Pugmill	4,527,836	436,481

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.049** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.049** shall not exceed **6.0** tons of **lime** per any one-hour period averaged over a daily basis, nor more than **3,000.0** tons per year.
  - b. Hours
    - (1) **PF1.049** may operate a total of **12** hours per day.
    - (2) **PF1.049** may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.049** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0090** pounds per hour, nor more than **0.0023** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0033** pounds per hour, nor more than **0.00083** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00050** pounds per hour, nor more than **0.00013** tons per year.
  - d. The opacity from **PF1.049** shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.049** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.049** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.049** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
  - g. Inspect the enclosure installed on **PF1.049** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.



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

**T. Emission Units PF1.050 through PF1.052**

System 20 – Marination Plant – Conveyor Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.050	Pugmill Transfer to Conveyor C-27	4,527,835	436,481
PF1.051	Conveyor C-27 Transfer to Conveyor C-28	4,527,825	436,480
PF1.052	Conveyor C-23 Transfer to Stockpile (Marination)	4,527,795	436,482

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.050 through PF1.052, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.050 through PF1.052, each**, shall not exceed **300.0** tons of **marinated aggregate** per any one-hour period averaged over a daily basis, nor more than **150,000.0** tons per year.
  - b. Hours
    - (1) **PF1.050 through PF1.052, each**, may operate a total of **12** hours per day.
    - (2) **PF1.050 through PF1.052, each**, may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.050 through PF1.052, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.056** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.083** pounds per hour, nor more than **0.021** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.0031** tons per year.
  - d. The opacity from **PF1.050 through PF1.052, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.050 through PF1.052, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.050 through PF1.052, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.050 through PF1.052, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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

**T. Emission Units PF1.050 through PF1.052 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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<b>System 21 – Marination Plant – Lime Silo</b>		<b>Location UTM (Zone 11, NAD 83)</b>	
		<b>m North</b>	<b>m East</b>
S2.003	Lime Silo Loading	4,527,838	436,478
PF1.054	Lime Silo Unloading (Out – Feed Auger)	4,527,837	436,479

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.003** shall be controlled by a **bin vent**.
  - b. Emissions from **PF1.054** shall be controlled by an **enclosure**.
  - c. Descriptive Stack Parameters for S2.003  
Stack Height: 20.0 feet  
Stack Diameter: 0.61 feet  
Stack Temperature: Ambient  
Exhaust Flow: 62.75 dry standard cubic feet per minute (dscfm)
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **S2.003** shall not exceed **30.0** tons of **lime** per any one-hour period, nor more than **15,000.0** tons per year.
  - b. The maximum allowable throughput rate for **PF1.054** shall not exceed **6.0** tons of **lime** per any one-hour period, nor more than **3,000.0** tons per year.
  - c. Hours
    - (1) **S2.003 and PF1.054, each**, may operate a total of **12** hours per day.
    - (2) **S2.003 and PF1.054, each**, may operate a total of **500** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B. 22017) (*Federally Enforceable SIP Requirement*)
  - a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.003** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.030** pounds per hour, nor more than **0.0074** tons per year.
    - (2) The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.010** pounds per hour, nor more than **0.0026** tons per year.
    - (3) The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0015** pounds per hour, nor more than **0.00039** tons per year.
    - (4) The opacity from **S2.003** shall not equal or exceed **20** percent.
  - b. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.054** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.014** pounds per hour, nor more than **0.0036** tons per year.
    - (2) The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0084** pounds per hour, nor more than **0.0021** tons per year.
    - (3) The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0013** pounds per hour, nor more than **0.00032** tons per year.
    - (4) The opacity from **PF1.054** shall not equal or exceed **20** percent.



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**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**U. Emission Units S2.003 and PF1.054 (continued)**

**4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)**

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

- a. Monitor and record the throughput for **S2.003 and PF1.054, each**, on a daily basis.
- b. Monitor and record the hours of operation for **S2.003 and PF1.054, each**, on a daily basis.
- c. Record 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.
- d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
- e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
- f. Conduct and record an observation of visible emissions (excluding water vapor) on the bin vent controlling **S2.003** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. Inspect the bin vent installed on **S2.003** in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric) and any corrective actions taken.
- h. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.054** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- i. Inspect the enclosure installed on **PF1.054** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.



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System 22 – Wash Plant – Bin Feeder		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.055	Front End Loader to Wash Plant Bin Feeder	4,527,429	436,479
PF1.056	Wash Plant Bin Feeder to Conveyor C-21	4,527,430	436,478

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.055 and PF1.056, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.055 and PF1.056, each**, shall not exceed **120.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **204,000.0** tons per year.
  - b. Hours
    - (1) **PF1.055 and PF1.056, each**, may operate a total of **12** hours per day.
    - (2) **PF1.055 and PF1.056, each**, may operate a total of **1,700** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.055 and PF1.056, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.090** pounds per hour, nor more than **0.077** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.033** pounds per hour, nor more than **0.028** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0050** pounds per hour, nor more than **0.0043** tons per year.
  - d. The opacity from **PF1.055 and PF1.056, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.055 and PF1.056, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.055 and PF1.056, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.055 and PF1.056, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**V. Emission Units PF1.055 and PF1.05 (continued)**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - g. The Permittee of any affected facility 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 Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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System 23 – Wash Plant – Wash Screen (S-3) and Associated Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.057	Wash Screen (S-3) and Associated Transfers (IN - Conveyor C-21; OUT - Conveyor C-22 or Conveyor C-23 or Conveyor C-24 or Conveyor C-25)	4,527,444	436,460

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.057** shall be controlled by **saturation**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.057** shall not exceed **120.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **204,000.0** tons per year.
  - b. Hours
    - (1) **PF1.057** may operate a total of **12** hours per day.
    - (2) **PF1.057** may operate a total of **1,700** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.057** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - d. The opacity from **PF1.057** shall not equal or exceed **0** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.057** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.057** on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.057** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.

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System 24 – Wash Plant – Conveyor Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.058	Conveyor C-22 Transfer to Stockpile #6	4,527,465	436,448
PF1.059	Conveyor C-23 Transfer to Stockpile #7	4,527,455	436,437

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.058 and PF1.059, each**, shall be controlled by **saturation**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.058 and PF1.059, each**, shall not exceed **40.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **68,000.0** tons per year.
  - b. Hours
    - (1) **PF1.058 and PF1.059, each**, may operate a total of **12** hours per day.
    - (2) **PF1.058 and PF1.059, each**, may operate a total of **1,700** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.058 and PF1.059, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - d. The opacity from **PF1.058 and PF1.059, each**, shall not equal or exceed **0** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.058 and PF1.059, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.058 and PF1.059, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.058 and PF1.059, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.

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System 25 – Wash Plant – Conveyor Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.060	Conveyor C-24 Transfer to Stockpile #8	4,527,417	436,445
PF1.061	Conveyor C-25 Transfer to Stockpile #9	4,527,425	436,469

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.060 and PF1.061, each**, shall be controlled by **saturation**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.060 and PF1.061, each**, shall not exceed **20.0** tons of **aggregate** per any one-hour period averaged over a daily basis, nor more than **34,000.0** tons per year.
  - b. Hours
    - (1) **PF1.060 and PF1.061, each**, may operate a total of **12** hours per day.
    - (2) **PF1.060 and PF1.061, each**, may operate a total of **1,700** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.060 and PF1.061, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
  - d. The opacity from **PF1.060 and PF1.061, each**, shall not equal or exceed **0** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
  - a. Monitor and record the throughput for **PF1.060 and PF1.061, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.060 and PF1.061, each**, on a daily basis.
  - c. Record 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.
  - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
  - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.060 and PF1.061, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.

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System 26 – Wash Plant - Generator		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.004	306 hp Caterpillar Diesel Generator (Model: 3306, Mfd. before 2006)	4,527,420	436,461

1. Air Pollution Control Equipment (NAC 445B.346.1) (*Federally Enforceable SIP Requirement*)
  - a. **S2.004** has no add-on controls.
  - b. Descriptive Stack Parameters  
Stack Height: 13.0 feet  
Stack Diameter: 0.70 feet  
Stack Temperature: 981 °F
2. Operating Parameters (NAC 445B.346.1) (*Federally Enforceable SIP Requirement*)
  - a. **S2.004** may consume only **diesel**.
  - b. The maximum allowable fuel consumption rate for **S2.004** shall not exceed **15.37 gallons** per any one-hour period.
  - c. Hours
    - (1) **S2.004** may operate a total of **12** hours per day.
    - (2) **S2.004** may operate a total of **1,700** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346.1, NAC 445B. 22017) (*Federally Enforceable SIP Requirement*)

The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.004** the following pollutants in excess of the following specified limits:

  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.060** tons per year.
  - b. The discharge of **PM<sub>10</sub>** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.060** tons per year.
  - c. The discharge of **PM<sub>2.5</sub>** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.070** pounds per hour, nor more than **0.060** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **0.62** pounds per hour, nor more than **0.53** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **3.34** pounds per hour, nor more than **2.84** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.27** pounds per hour, nor more than **0.23** tons per year.
  - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.094** tons per year.
  - h. The opacity from **S2.004** shall not equal or exceed **20 percent**.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346.2) (*Federally Enforceable SIP Requirement*)

The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

  - a. Monitor and record the total daily hours of operation for **S2.004** for each day of operation.
  - b. Monitor and record the consumption rate of **diesel** on a daily basis for **S2.004** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **Z.2.b** of this section and the total daily hours of operation.
  - c. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.





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

**Z. Emission Unit S2.004 (continued)**

5. Federal Requirements (NAC 445B.346.2) (*Federally Enforceable SIP Requirement*)

National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines

a. Emissions Limitations, Management Practices and Other Requirements (40 CFR 63.6603(a), Table 2d)

The Permittee must comply with the following requirements, except during periods of startup:

- (1) Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O<sub>2</sub>; or
- (2) Reduce CO emissions by 70 percent or more.

b. Fuel Requirements (40 CFR 63.6604)

The Permittee must meet the following diesel requirements for non-road engine: (40 CFR 63.6604, 40 CFR 1090.305)

- (1) Sulfur content to be 15 parts per million (ppm) maximum.
- (2) Cetane index or aromatic content as follows:
  - (a) A minimum cetane index of 40; or
  - (b) A maximum aromatic content of 35 volume percent.

c. Performance Tests (40 CFR 63.6612, 40 CFR 63.6620, Table 4, Table 5)

- (1) The Permittee must conduct the following performance test to reduce CO emissions: (40 CFR 63.6620(a), Table 4)
  - (a) Select the sampling port location and the number/location of traverse points at the inlet and outlet of the control device. For CO and O<sub>2</sub> measurement, ducts ≤6 inches in diameter may be sampled at a single point located at the duct centroid and ducts >6 and ≤12 inches in diameter may be sampled at 3 traverse points located at 16.7, 50.0, and 83.3% of the measurement line ('3-point long line'). If the duct is >12 inches in diameter and the sampling port location meets the two and half-diameter criterion of Section 11.1.1 of Method 1 of 40 CFR Part 60, appendix A-1, the duct may be sampled at '3-point long line'; otherwise, conduct the stratification testing and select sampling points according to Section 8.1.2 of Method 7E of 40 CFR Part 60, appendix A-4.
  - (b) Measure the O<sub>2</sub> at the inlet and outlet of the control device using Method 3 or 3A or 3B of 40 CFR Part 60, appendix A-2, or ASTM Method D6522-00. Measurements to determine O<sub>2</sub> must be made at the same time as the measurements for CO concentration.
  - (c) Measure the CO at the inlet and the outlet of the control device using ASTM D6522-00 or Method 10 of 40 CFR Part 60, appendix A-4. The CO concentration must be at 15 percent O<sub>2</sub>, dry basis.
- (2) Each performance test must be conducted according to **Z.5.c** of this section. The Permittee does not need to start up the engine solely to conduct the performance test. The Permittee of a non-operational engine can conduct the performance test when the engine is started up again. (40 CFR 63.6620(b)).
- (3) The Permittee must conduct three separate tests runs for each performance test. Each test run must last at least 1 hour. (40 CFR 63.6620(d)).

d. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)

- (1) If the stationary RICE is not equipped with a closed crankcase ventilation system, the Permittee must comply with either **Z.5.d.(a)** or **(b)** of this section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. (40 CFR 63.6625(g))
  - (a) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere. (40 CFR 63.6625(g)(1))
  - (b) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals. (40 CFR 63.6625(g)(2))
- (2) The Permittee 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 **Z.5.a** of this section. (40 CFR 63.6625(h))



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** H.E. HUNEWILL CONSTRUCTION – THOMAS CREEK–SONOMA PIT (AS PERMITTEE)

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

**Z. Emission Unit S2.004 (continued)**

5. Federal Requirements (NAC 445B.346.2) (*Federally Enforceable SIP Requirement*) (continued)  
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
  - e. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6)
    - (1) The Permittee 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))
    - (2) The Permittee 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 Permittee 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))
    - (3) The Permittee must also report each instance in which they did not meet the requirements in Table 8 to Subpart ZZZZ that apply.
    - (4) Permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Table 2d to Subpart ZZZZ that applies to the Permittee according to methods specified below: (40 CFR 63.6640(a), Table 6)
      - (a) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
      - (b) Develop and follow Permittee'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.
  - d. Recordkeeping Requirements (40 CFR Part 63.6655)  
The Permittee must keep the following records:
    - (1) A copy of each notification and report that the Permittee 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))
    - (2) 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))
    - (3) Records of performance tests and performance evaluations as required in 40 CFR Part 63.10(b)(2)(viii). (40 CFR 63.6655(a)(3))
    - (4) Records of all required maintenance performed on the RICE and any air pollution control and monitoring equipment. (40 CFR 63.6655(a)(4))
    - (5) Records of actions taken during periods of malfunction to minimize emissions in accordance with **Z.5.e.(2)** 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. (40 CFR 63.6655(a)(5))
    - (6) The Permittee must keep the records required in with **Z.5.e.(4)** of this section to show continuous compliance with each emission or operating limitation that applies. (40 CFR 63.6655(d))
    - (7) The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. (40 CFR 63.6655(e))

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



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**Section VI. Emission Caps**

A. Not Applicable

**\*\*\*End of Emission Caps\*\*\***



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**Section VII. Surface Area Disturbance Conditions**

The surface area disturbance for the **Thomas Creek – Sonoma Pit Project** is **246 acres**.

**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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**Section VIII. Schedules of Compliance**

A. Not Applicable

**\*\*\*\*End of Schedule of Compliance \*\*\*\***



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**Section IX. 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. Will expire and be subject to renewal five (5) years from: May 28, 2024 .  
(NAC 445B.315) (*Federally Enforceable SIP Requirement*)
4. A completed application for renewal of an operating permit must be submitted to the Director on the form provided by him with the appropriate fee at least 70 calendar days before the expiration date of this operating permit. (NAC 445B.3473.2) (*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*)

**THIS PERMIT EXPIRES ON:** May 28, 2029

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

**Issued by:** XXXXXXXXXX  
Supervisor, Permitting Branch  
Bureau of Air Pollution Control

**Phone:** (775) 687-XXXX **Date:** TBD

rp 04/2025



## **Class II Insignificant Activities List**

Appended to Permit #AP1611–3457.02

Emission Unit #	Emission Unit Description
IA1.001	10,000 Gallon HMA Plant Fuel Tank #1
IA1.002	10,000 Gallon HMA Plant Fuel Tank #2
IA1.003	30,000 Gallon Heated Asphalt Oil Tank #1
IA1.004	1.5 MMBtu/hr Diesel Fired Hot Oil Heater