



## 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. A0404**

**Permit No. AP1041-4051.01**

### CLASS II AIR QUALITY OPERATING PERMIT

**Issued to:** COMSTOCK PROCESSING LLC (HEREINAFTER REFERRED TO AS PERMITTEE)

**Mailing Address:** 1200 AMERICAN FLAT TOLL ROAD, VIRGINIA CITY, NEVADA 89703

**Physical Address:** 1200 AMERICAN FLAT TOLL ROAD, VIRGINIA CITY, NEVADA 89703

**Driving Directions:** TAKE HIGHWAY 342 SOUTH FROM VIRGINIA CITY TO GOLD HILL. TURN RIGHT ONTO 1200 AMERICAN FLAT TOLL ROAD.

**General Facility Location:** SECTION 5-8, T 16 N, R 21 E, MDB&M

HA 103 – DAYTON VALLEY / STOREY COUNTY

NORTH 4,350,567 M, EAST 269,774 M, UTM ZONE 11, NAD 83

#### Emission Unit List:

##### A. System 1 – Metallic Ore Loading

PF1.001 Front End Loader transfer to Hopper

##### B. System 2 – Metallic Ore Primary Crushing

S2.001 Hopper Transfer to Apron Feeder

S2.002 Apron Feeder to Conveyor C-1 (Undersize Material)

S2.003 Primary Screen S-1 and Associated Transfers (In from Apron Feeder; Out to Conveyor C-1 (Undersize) and Primary Crusher (Oversize))

S2.004 Primary Crusher and Associated Transfers (In from Primary Screen; Out to Conveyor C-4)

S2.005 Conveyor C-1 transfer to Conveyor C-2

S2.006 Conveyor C-2 transfer to Conveyor C-3

##### C. System 3 – Cement/Lime Silo #1

S2.007 Cement/Lime Silo Loading

PF1.002 Cement/Lime Silo Unloading

##### D. System 4 – Metallic Ore Secondary Crushing

S2.008 Secondary Screen S-2 (2-Deck) and Associated Transfers (In from Screen Feed Conveyor C-4; Out to Conveyor C-8 (Undersize Material) and Conveyor C-5 (Oversize Material))

S2.009 Conveyor C-5 transfer to Surge Feeder

S2.010 Surge Feeder transfer to Conveyor C-6

S2.011 Secondary Cone Crusher and Associated Transfers (In from Conveyor C-6; Out to Conveyor C-7)

S2.012 Conveyor C-7 transfer to Conveyor C-4

S2.013 Conveyor C-3 transfer to Conveyor C-9

S2.014 Conveyor C-8 transfer to Conveyor C-9

##### E. System 5 – Cement/Lime Silo #2

S2.015 Cement/Lime Silo Loading

PF1.003 Cement/Lime Silo Discharge to Conveyor C-6

##### F. System 6 – Agglomerator

PF1.004 Agglomerator Feed Conveyor C-9 transfer to Agglomerator



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**Emission Unit List (continued):**

**G. System 7 – Metallic Ore Transfer to Heap Leach**

- PF1.005 Drum Agglomerator
- PF1.006 Drum Agglomerator transfer to Agglomerator Belt AB1
- PF1.007 Agglomerator Belt AB1 transfer to Conveyor C-10
- PF1.008 Conveyor C-10 transfer to Conveyor C-11
- PF1.009 Conveyor C-11 transfer to Conveyor C-12
- PF1.010 Conveyor C-12 transfer to Conveyor C-13
- PF1.011 Conveyor C-13 transfer to Conveyor C-14
- PF1.012 Conveyor C-14 transfer to Conveyor C-15
- PF1.013 Conveyor C-15 transfer to Conveyor C-16
- PF1.014 Conveyor C-16 transfer to Conveyor C-17
- PF1.015 Conveyor C-17 transfer to Conveyor C-18
- PF1.016 Conveyor C-18 transfer to Conveyor C-19
- PF1.017 Conveyor C-19 transfer to Conveyor C-20
- PF1.018 Conveyor C-20 transfer to Conveyor C-21
- PF1.019 Conveyor C-21 transfer to Conveyor C-22
- PF1.020 Conveyor C-22 transfer to Conveyor C-23
- PF1.021 Conveyor C-23 transfer to Conveyor or Radical Stacker C-24
- PF1.022 Conveyor or Stacker C-24 transfer to Radical Stacker (#12) or Heap Leach
- PF1.023 Radical Stacker transfer to Heap Leach

**H. System 9 – 1.5 MW Emergency Generator**

- S2.018 1.5 MW Backup Emergency Generator (2011 hp, Caterpillar, mdl #3516, mfd. 1995)

**I. System 10 – Flux Mixer**

- S2.019 Flux Mixer

**J. System 11 – Unleaded Fuel Storage and Dispensing Tanks**

- S2.020 Gasoline Storage Tank 1 (500 Gallon)
- S2.021 Gasoline Storage Tank 2 (500 Gallon)

**K. System 12 – Portable Crusher - Grizzly**

- PF1.024 Front End Loader transfer to Grizzly
- PF1.025 Grizzly transfer of Fines Material to Conveyor C-1A
- PF1.026 Conveyor C-1A drop to Transfer Conveyor TC-1

**L. System 13 – Portable Crusher – Primary Jaw Crusher**

- PF1.027 Primary Jaw Crusher and Associated Transfers (In from Grizzly Feeder; Out to Conveyor C-2A or Cone Crusher Feeder)

**M. System 14 – Portable Screen - Screen**

- PF1.028 Primary Screen and Associated Transfers [In from Conveyor C-2A; Out to Conveyor C-3A (Fines Material) and Conveyor C-4A (Oversized Material)]

**N. System 15 – Portable Crusher – Transfer**

- PF1.029 Conveyor C-4A transfer to Secondary Feeder

**O. System 16 – Portable Crusher – Cone Crusher**

- PF1.030 Cone Crusher and Associated Transfers (In from Secondary Feeder; Out to Conveyor C-5A)



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**Emission Unit List (continued):**

**P. System 17 – Portable Crusher - Transfers**

- PF1.031 Conveyor C-3A transfer to Conveyor TC-1
- PF1.032 Conveyor TC-1 transfer to Conveyor TC-3
- PF1.034 Conveyor TC-2 transfer to Conveyor TC-3
- PF1.033 Conveyor C-5A transfer to Conveyor TC-2

**Q. System 18 – Portable Crusher – Agglomerator Transfer**

- PF1.035 Conveyor TC-3 transfer to Agglomerator/Paddle Wheel

**R. System 19 – Portable Crusher - Agglomerator**

- PF1.036 Agglomerator/Paddle Wheel

**S. System 20 – Portable Crusher – Transfers After Agglomerator**

- PF1.037 Agglomerator/Paddle Wheel transfer to Off-Belt
- PF1.038 Off-Belt transfer to Conveyor C-25 on Heap Leach

**T. System 21 – Portable Crusher – Transfers After Agglomerator**

- PF1.039 Conveyor C-25 transfer to Conveyor C-26
- PF1.040 Conveyor C-26 transfer to Conveyor C-27
- PF1.041 Conveyor C-27 transfer to Conveyor C-28
- PF1.042 Conveyor C-28 transfer to Conveyor C-29
- PF1.043 Conveyor C-29 transfer to Conveyor C-30
- PF1.044 Conveyor C-30 transfer to Conveyor C-31
- PF1.045 Conveyor C-31 transfer to Conveyor C-32
- PF1.046 Conveyor C-32 transfer to Conveyor C-33
- PF1.047 Conveyor C-33 transfer to Conveyor C-34
- PF1.048 Conveyor C-34 transfer to Heap Leach

**U. System 22 – Diesel Generators**

- S2.022 725 kW CAT Generator 1 (1093 hp, Caterpillar, mdl. C27, sn ZRS00460, mfd. 2014)
- S2.023 725 kW CAT Generator 2 (1093 hp, Caterpillar, mdl. C27, sn ZRS00460, mfd. 2014)
- S2.024 725 kW CAT Generator 3 (1093 hp, Caterpillar, mdl. C27, sn ZRS00460, mfd. 2014)

**V. System 23 – Propane Generator for Server**

- S2.025 Propane Emergency Generator for Server (Generac, 12 hp, mdl G007029-0, mfd. 2011)

**W. System 24 – Propane Generator for Office**

- S2.026 Propane Emergency Generator for Office (Generac, 9.4 hp, mdl 7649545, mfd 2012)

**\*\*\*\*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. A0404**

**Permit No. AP1041-4051.01**

**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (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\*\*\***



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (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)*do

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 below:

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

System	Emission Unit(s)	Pollutant To Be Tested	Testing Methods/Procedures
System 12 – Portable Crusher – Grizzly	PF1.024 through PF1.026	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 13 – Portable Crusher – Primary Jaw Crusher	PF1.027		
System 14 – Portable Screen – Screen	PF1.028		
System 15 – Portable Crusher – Transfer	PF1.029		
System 16 – Portable Crusher – Cone Crusher	PF1.030		
System 17 – Portable Crusher – Transfers	PF1.031 through PF1.034		



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (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)

**Table IV-1: Initial Opacity Compliance Demonstration (continued)**

System	Emission Unit(s)	Pollutant To Be Tested	Testing Methods/Procedures
System 18 – Portable Crusher – Agglomerator Transfer	PF1.035	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 19 – Portable Crusher – Agglomerator	PF1.036		
System 20 – Portable Crusher – Transfers After Agglomerator	PF1.037		
System 21 – Portable Crusher – Transfers After Agglomerator	PF1.039 through PF1.047		
System 22 – Diesel Generators	S2.022 through S2.024		



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (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 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, as specified in Table IV-1 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. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of the initial opacity compliance demonstrations 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 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 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 contained in Table IV-1 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 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 were sufficient to provide adequate compliance demonstration. Should the Director determine that the initial opacity compliance demonstrations do not provide adequate compliance demonstration, the Director may require additional testing.

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





Bureau of Air Pollution Control

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

Section V. Specific Operating Conditions

A. Emission Unit(s) PF1.001

System 1 – Metallic Ore Loading		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.001	Front End Loader transfer to Hopper	4,350,866	269,788

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.001** 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** shall not exceed **1,000.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,300,000.0** tons per year.
  - b. Hours
    - (1) **PF1.001** may operate a total of **20** hours per day.
    - (2) **PF1.001** may operate a total of **7,300** 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 **PF1.001** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.75** pounds per hour, nor more than **2.74** 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 **0.28** pounds per hour, nor more than **1.00** 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 **0.042** pounds per hour, nor more than **0.15** 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 **PF1.001** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.001** 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 **PF1.001** 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.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**A. Emission Unit(s) PF1.001 (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. (continued)
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.001** 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 **PF1.001** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.001** 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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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**B. Emission Unit(s) S2.001 through S2.006**

System 2 – Metallic Ore Primary Crushing		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.001	Hopper Transfer to Apron Feeder	4,350,852	269,788
S2.002	Apron Feeder to Conveyor C-1 (Undersize Material)	4,350,852	269,788
S2.003	Primary Screen S-1 and Associated Transfers (In from Apron Feeder; Out to Conveyor C-1 (Undersize) and Primary Crusher (Oversize))	4,350,852	269,788
S2.004	Primary Crusher and Associated Transfers (In from Primary Screen; Out to Conveyor C-4)	4,350,852	269,788
S2.005	Conveyor C-1 transfer to Conveyor C-2	4,350,852	269,788
S2.006	Conveyor C-2 transfer to Conveyor C-3	4,350,852	269,788

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.002 through S2.006, each**, shall be controlled by **Baghouse (BH-001)**.
  - b. Descriptive Stack Parameters  
 Stack Height: 18.0 feet  
 Stack Diameter: 3.50 feet  
 Stack Temperature: ambient  
 Exhaust Flow: 36,000.0 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 **S2.001 through S2.006, each**, shall not exceed **1,000.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,300,000.0** tons per year.
  - b. Hours
    - (1) **S2.001 through S2.006, each**, may operate a total of **20** hours per day.
    - (2) **S2.001 through S2.006, each**, may operate a total of **7,300** 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 **the exhaust stack of Baghouse (BH-001)** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.086** pounds per hour, nor more than **11.26** 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 **3.086** pounds per hour, nor more than **11.26** 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 **3.086** pounds per hour, nor more than **11.26** 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 **S2.001 through S2.006, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **S2.001 through S2.006, 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.



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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**B. Emission Unit(s) S2.001 through S2.006 (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 (continued).
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.001 through S2.006, 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. Inspect the baghouse installed on **S2.001 through S2.006, each**, 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. 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 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. 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 PM10 and PM2.5 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 PM2.5 for determination of compliance.
  - f. 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.
  
6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **S2.001 through S2.006, 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) Particulate matter in excess of **0.05** grams per dry standard cubic meter (**6.74** lb/hr). (40 CFR 60.382(a)(1))
    - (2) Emissions from the baghouse will not exceed **7 percent** opacity. (40 CFR 60.382(a)(2))



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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**B. Emission Unit(s) S2.001 through S2.006 (continued)**

6. Federal Requirements (NAC 445B.346(2)) (Federally Enforceable SIP Requirement)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380) (continued)
  - b. 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))
  - c. At all times, including periods of startup, shutdown, and malfunction, owner and operators shall, to the extent practicable, maintain and operate **S2.001 through S2.006, each,** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 60.11(d))



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**C. Emission Units S2.007 and PF1.002**

System 3 – Cement/Lime Silo #1		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.007	Cement/Lime Silo Loading	4,350,859	269,757
PF1.002	Cement/Lime Silo Unloading	4,350,858	269,762

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.007** shall be controlled by a **Bin Vent**.
  - b. Emissions from **PF1.002** shall be controlled by an **Enclosure**.
  - c. Descriptive Stack Parameters for S2.007  
 Stack Height: 62 feet  
 Stack Diameter: 3.61 feet  
 Stack Temperature: ambient  
 Exhaust Flow: 3,003.0 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 **S2.007** shall not exceed **50.0** tons of **cement/lime** per any one-hour period, nor more than **365,000.0** tons per year.
  - b. The maximum allowable throughput rate for **PF1.002** shall not exceed **8.00** tons of **cement/lime** per any one-hour period, nor more than **58,400.0** tons per year.
  - c. Hours
    - (1) **S2.007** may operate a total of **20** hours per day.
    - (2) **S2.007** may operate a total of **7,300** hours per year.
    - (3) **PF1.002** may operate a total of **20** hours per day.
    - (4) **PF1.002** may operate a total of **7,300** 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 **S2.007** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.050** pounds per hour, nor more than **0.18** 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 **0.017** pounds per hour, nor more than **0.062** 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 **0.0026** pounds per hour, nor more than **0.0094** tons per year.
    - (4) The opacity from **S2.007** 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 **PF1.002** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.019** pounds per hour, nor more than **0.070** 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 **0.011** pounds per hour, nor more than **0.041** 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 **0.0017** pounds per hour, nor more than **0.0062** tons per year.
    - (4) The opacity from **PF1.002** shall not equal or exceed **20** percent.





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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**C. Emission Units S2.007 and PF1.002 (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 **S2.007 and PF1.002, each**, on a daily basis.
- b. Monitor and record the hours of operation for **S2.007 and PF1.002, 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 **S2.007** 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 **S2.007** 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 **PF1.002** 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.
- i. Inspect the enclosure installed on **PF1.002** 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 expeditiously 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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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**D. Emission Unit(s) S2.008 through S2.014**

System 4 – Metallic Ore Secondary Crushing		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.008	Secondary Screen S-2 (2-Deck) and Associated Transfers (In from Screen Feed Conveyor C-4; Out to Conveyor C-8 (Undersize Material) and Conveyor C-5 (Oversize Material))	4,350,863	269,757
S2.009	Conveyor C-5 transfer to Surge Feeder	4,350,863	269,757
S2.010	Surge Feeder transfer to Conveyor C-6	4,350,863	269,757
S2.011	Secondary Cone Crusher and Associated Transfers (In from Conveyor C-6; Out to Conveyor C-7)	4,350,863	269,757
S2.012	Conveyor C-7 transfer to Conveyor C-4	4,350,863	269,757
S2.013	Conveyor C-3 transfer to Conveyor C-9	4,350,863	269,757
S2.014	Conveyor C-8 transfer to Conveyor C-9	4,350,863	269,757

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.008 through S2.014** shall be controlled by **Baghouse (BH-002)**.
  - b. Descriptive Stack Parameters  
 Stack Height: 18.0 feet  
 Stack Diameter: 3.50 feet  
 Stack Temperature: ambient  
 Exhaust Flow: 26,000.0 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 **S2.008 through S2.014, each**, shall not exceed **1,008.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,358,400.0** tons per year.
  - b. Hours
    - (1) **S2.008 through S2.014, each**, may operate a total of **20** hours per day.
    - (2) **S2.008 through S2.014, each**, may operate a total of **7,300** 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 **the exhaust stack of Baghouse (BH-002)** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.23** pounds per hour, nor more than **8.13** 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 **2.23** pounds per hour, nor more than **8.13** 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 **2.23** pounds per hour, nor more than **8.13** 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 **S2.008 through S2.014, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **S2.008 through S2.014, 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.



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

**D. Emission Unit(s) S2.008 through S2.014 (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. (continued)
  - 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 baghouse controlling **S2.008 through S2.014** 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 baghouse installed on **S2.008 through S2.014** 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. 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 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. 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 PM10 and PM2.5 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 PM2.5 for determination of compliance.
  - f. 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.



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

**D. Emission Unit(s) S2.008 through S2.014 (continued)**

6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **S2.008 through S2.014** 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) Particulate matter in excess of **0.05** grams per dry standard cubic meter (**4.87** lb/hr). (40 CFR 60.382(a)(1))
    - (2) Emissions from the baghouse will not exceed **7 percent** opacity. (40 CFR 60.382(a)(2))
  - b. 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))
  - c. At all times, including periods of startup, shutdown, and malfunction, owner and operators shall, to the extent practicable, maintain and operate **S2.008 through S2.014**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 60.11(d))



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

**E. Emission Units S2.015 and PF1.003**

System 5 – Cement/Lime Silo #2		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.015	Cement/Lime Silo Loading	4,350,888	269,759
PF1.003	Cement/Lime Silo Discharge to Conveyor C-6	4,350,884	269,764

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.015** shall be controlled by a **Bin Vent**.
  - b. Emissions from **PF1.003** shall be controlled by a **Enclosure**.
  - c. Descriptive Stack Parameters for S2.015  
 Stack Height: 55 feet  
 Stack Diameter: 3.61 feet  
 Stack Temperature: ambient  
 Exhaust Flow: 3,003.0 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 **S2.015** shall not exceed **50.0** tons of **cement/lime** per any one-hour period, nor more than **365,000.0** tons per year.
  - b. The maximum allowable throughput rate for **PF1.003** shall not exceed **8.00** tons of **cement/lime** per any one-hour period, nor more than **58,400.0** tons per year.
  - c. Hours
    - (1) **S2.015** may operate a total of **20** hours per day.
    - (2) **S2.015** may operate a total of **7,300** hours per year.
    - (3) **PF1.003** may operate a total of **20** hours per day.
    - (4) **PF1.003** may operate a total of **7,300** 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 **S2.015** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.050** pounds per hour, nor more than **0.18** 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 **0.017** pounds per hour, nor more than **0.062** 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 **0.0026** pounds per hour, nor more than **0.0094** tons per year.
    - (4) The opacity from **S2.015** 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 **PF1.003** the following pollutants in excess of the following specified limits:
    - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.019** pounds per hour, nor more than **0.070** 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 **0.011** pounds per hour, nor more than **0.041** 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 **0.0017** pounds per hour, nor more than **0.0062** tons per year.
    - (4) The opacity from **PF1.003** shall not equal or exceed **20** percent.



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

**E. Emission Units S2.015 and PF1.003 (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 **S2.015 and PF1.003, each**, on a daily basis.
- b. Monitor and record the hours of operation for **S2.015 and PF1.003, 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 **S2.015** 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 **S2.015** 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 **PF1.003** 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.
- i. Inspect the enclosure installed on **PF1.003** 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)**

**F. Emission Unit(s) PF1.004**

System 6 – Agglomerator		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.004	Agglomerator Feed Conveyor C-9 transfer to Agglomerator	4,350,855	269,761

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.004** shall be controlled by **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.004** shall not exceed **1,008.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,358,400.0** tons per year.
  - b. Hours
    - (1) **PF1.004** may operate a total of **20** hours per day.
    - (2) **PF1.004** may operate a total of **7,300** 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 **PF1.004** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.76** pounds per hour, nor more than **2.76** 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 **0.28** pounds per hour, nor more than **1.012** 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 **0.042** pounds per hour, nor more than **0.15** 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 **PF1.004** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.004** 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 **PF1.004** 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.



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

**F. Emission Unit(s) PF1.004 (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. (continued)
  - 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))
  
6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.004** 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 **PF1.004** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.004** 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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**Section V. Specific Operating Conditions (continued)**

**G. Emission Unit(s) PF1.005 through PF1.023**

System 7 – Metallic Ore Transfer to Heap Leach		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.005	Drum Agglomerator	4,350,851	269,760
PF1.006	Drum Agglomerator transfer to Agglomerator Belt AB1	4,350,846	269,759
PF1.007	Agglomerator Belt AB1 transfer to Conveyor C-10	4,350,841	269,758
PF1.008	Conveyor C-10 transfer to Conveyor C-11	4,350,839	269,746
PF1.009	Conveyor C-11 transfer to Conveyor C-12	4,350,819	269,722
PF1.010	Conveyor C-12 transfer to Conveyor C-13	4,350,803	269,703
PF1.011	Conveyor C-13 transfer to Conveyor C-14	4,350,783	269,680
PF1.012	Conveyor C-14 transfer to Conveyor C-15	4,350,759	269,651
PF1.013	Conveyor C-15 transfer to Conveyor C-16	4,350,743	269,616
PF1.014	Conveyor C-16 transfer to Conveyor C-17	4,350,726	269,582
PF1.015	Conveyor C-17 transfer to Conveyor C-18	4,350,711	269,548
PF1.016	Conveyor C-18 transfer to Conveyor C-19	4,350,694	269,513
PF1.017	Conveyor C-19 transfer to Conveyor C-20	4,350,667	269,526
PF1.018	Conveyor C-20 transfer to Conveyor C-21	4,350,743	269,616
PF1.019	Conveyor C-21 transfer to Conveyor C-22	4,350,743	269,616
PF1.020	Conveyor C-22 transfer to Conveyor C-23	4,350,743	269,616
PF1.021	Conveyor C-23 transfer to Conveyor or Radical Stacker C-24	4,350,743	269,616
PF1.022	Conveyor or Stacker C-24 transfer to Radical Stacker (#12) or Heap Leach	4,350,743	269,616
PF1.023	Radical Stacker transfer to Heap Leach	4,350,627	269,511

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **PF1.005** shall be controlled by **saturation of the ore material**.
  - b. Emissions from **PF1.006 through PF1.023, each**, shall be controlled by **moisture carryover**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.005 through PF1.023, each**, shall not exceed **1,016.0 tons of metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,416,800.0 tons** per year.
  - b. Hours
    - (1) **PF1.005 through PF1.023, each**, may operate a total of **20 hours** per day.
    - (2) **PF1.005 through PF1.023, each**, may operate a total of **7,300 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 **PF1.005** the following pollutants in excess of the following specified limits:
    - (1) 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.
    - (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 **0.00 pounds** per hour, nor more than **0.00 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 **0.00 pounds** per hour, nor more than **0.00 tons** per year.
    - (4) The opacity from **PF1.005** shall not equal or exceed **0** percent.



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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**G. Emission Unit(s) PF1.005 through PF1.023 (continued)**

3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)(*continued*)

- b. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.006 through PF1.023, each**, the following pollutants in excess of the following specified limits:
  - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **1.67** 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 **0.17** pounds per hour, nor more than **0.61** 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 **0.025** pounds per hour, nor more than **0.093** tons per year.
  - (4) The opacity from **PF1.022 and PF1.023** 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 **PF1.005 through PF1.023, each**, on a daily basis.
- b. Monitor and record the hours of operation for **PF1.005 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. 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 **PF1.023** 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 conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- g. Inspect the agglomerator on a **monthly** basis to confirm that the agglomerator is functioning properly. If the agglomerator is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the agglomerator is functioning properly.
- 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)**

**G. Emission Unit(s) PF1.005 through PF1.023 (continued)**

6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.005 through PF1.021, 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 **PF1.005 through PF1.021, each**, will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.005 through PF1.023, 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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**Section V. Specific Operating Conditions (continued)**

**H. Emission Unit(s) S2.018**

System 9 – 1.5 MW Emergency Generator		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.018	1.5 MW Backup Emergency Generator (2011 hp, Caterpillar, mdl #3516, mfd 1995)	4,350,596	269,688

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.018** has no add-on controls.
  - b. Descriptive Stack Parameters  
 Stack Height: 9.02 feet  
 Stack Diameter: 1.00 feet  
 Stack Temperature: 941.0 °F
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.018** may consume only **diesel**.
  - b. The maximum allowable fuel consumption rate for **S2.018** shall not exceed **100.58 gallons** per any one-hour period.
  - c. Hours
    - (1) **S2.018** may operate a total of **24** hours per day.
    - (2) **S2.018** may operate a maximum of **100** hours per year of non-emergency use. There is no time limit on operation in emergency situations.
  
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 **S2.018** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.41** pounds per hour, nor more than **0.070** 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 **1.41** pounds per hour, nor more than **0.070** 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 **1.41** pounds per hour, nor more than **0.070** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **0.021** pounds per hour, nor more than **0.0011** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **45.060** pounds per hour, nor more than **2.25** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **11.97** pounds per hour, nor more than **0.60** tons per year.
  - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **1.27** pounds per hour, nor more than **0.063** tons per year.
  - h. The opacity from **S2.018** shall not equal or exceed **20 percent**.





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

**H. Emission Unit(s) S2.018 (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 total daily hours of operation for **S2.018** for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
  - b. Monitor and record the consumption rate of **diesel** on a daily basis for **S2.018** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **H.2.b** of this section and the total daily hours of operation.
  - c. Monitor and record the total yearly hours of operation of **S2.018** 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.
  
5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*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)  
For each Emergency stationary CI RICE and black start stationary CI RICE, the Permittee must meet the following requirement, except during periods of startup:
    - (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
    - (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
    - (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
  - 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. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)
    - (1) The Permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop the 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. (40 CFR 63.6625(e))
    - (2) The Permittee must install a non-resettable hour meter if one is not already installed. (40 CFR 63.6625(f))
    - (3) 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 in **H.5.a** of this section. (40 CFR 63.6625(h))





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

**H. Emission Unit(s) S2.018 (continued)**

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)  
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)
  - c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625) (continued)
    - (4) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in **H.5.a.(1)** of this section. The oil analysis must be performed at the same frequency specified for changing the oil in **H.5.a.(1)** of this section. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. (40 CFR 63.6625(i))
  - d. 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) Permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in **H.5.a** of this section 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.



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

**H. Emission Unit(s) S2.018 (continued)**

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)  
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)
  - d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6) (continued)
    - (4) The Permittee must operate the emergency stationary RICE according to the requirements in **H.5.d.(4)(a) through (c)** of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in **H.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in **H.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 63.6640(f))
      - (a) There is no time limit on the use of emergency stationary RICE in emergency situations. (40 CFR 63.6640(f)(1))
      - (b) The Permittee may operate their emergency stationary RICE for any combination of the purposes specified in **H.5.d.(4)(b)(i)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **H.5.d.(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 63.6640(f)(2))
        - i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. (40 CFR 63.6640(f)(2)(i))
      - (c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in **H.5.d.(4)(b)** of this section. Except as provided in in **H.5.d.(4)(c)(i) and (ii)** of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 63.6640(f)(4))
        - i. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. (40 CFR 63.6640(f)(4)(i))
        - ii. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 63.6640(f)(4)(ii)(A) through (E) are met. (40 CFR 63.6640(f)(4)(ii))



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

**H. Emission Unit(s) S2.018 (continued)**

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)  
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

- e. 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 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee 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 **H.5.d.(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 **H.5.d.(3)** 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))
- (8) The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Part 63.6640(f)(2)(ii) or (iii), or 40 CFR Part 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. (40 CFR 63.6655(f))



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

**I. Emission Unit(s) S2.019**

System 10 – Flux Mixer		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.019	Flux Mixer	4,350,618	269,671

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. Emissions from **S2.019** shall be controlled by a **Baghouse (BH-005)**.
  - b. Descriptive Stack Parameters  
 Stack Height: 7.50 feet  
 Stack Diameter: 1.40 feet  
 Stack Temperature: ambient  
 Exhaust Flow: 700 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 **S2.019** shall not exceed **2.00** tons of **flux** per any one-hour period averaged over a daily basis.
  - b. Hours  
 (1) **S2.019** may operate a total of **24** hours per day.
  
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 **the exhaust stack of Baghouse (BH-005)** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** 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 **0.12** pounds per hour, nor more than **0.53** 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 **0.12** pounds per hour, nor more than **0.53** tons per year.
  - d. The opacity from **S2.019** 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 **S2.019** on a daily basis.
  - b. Monitor and record the hours of operation for **S2.019** 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. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.019** 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.
  - e. Inspect the baghouse installed on **S2.019** 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.



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Section V. Specific Operating Conditions (continued)

J. Emission Unit(s) S2.020 and S2.021

System 11 – Unleaded Fuel Storage and Dispensing Tanks		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.020	Gasoline Storage Tank 1 (500 Gallon)	4,350,531	269,743
S2.021	Gasoline Storage Tank 2 (500 Gallon)	4,350,531	269,743

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.020 and S2.021** shall be controlled by submerged fill.
  - b. Descriptive Tank Parameters  
 Shell Diameter: 5.50 feet  
 Shell Height: 4.00 feet  
 Capacity: 500.0 gallons
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.020 and S2.021, each**, shall only be used to store **gasoline**.
  - b. The maximum allowable throughput rate for **S2.020 and S2.021, each**, shall not exceed **9,999.0** gallons per month, nor more than **30,000.0** gallons per year.
  - c. Hours  
**S2.020 and S2.021, each**, may operate a total of **24** hours per day.
  
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 **S2.020 and S2.021, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.15** tons per year.
  - b. The opacity from **S2.020 and S2.021, 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 of gasoline, in gallons, loaded into, or dispensed from, **S2.020 and S2.021, each**, on a monthly basis, as determined from vendor invoices for tank loading or fuel pump non-resettable meter for tank dispensing.
  - b. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined at the end of each month as the sum of the monthly throughput rates for the year for all previous months of that year.
  
5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)  
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities
  - a. Permittee must, at all times, 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. 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 63.11115)



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**J. Emission Unit(s) S2.020 and S2.021 (continued)**

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*) (continued)  
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities (continued)
  - b. Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
    - (1) Minimize gasoline spills. (40 CFR 63.11116(a)(1)).
    - (2) Clean up spills as expeditiously as practicable. (40 CFR 63.11116(a)(2))
    - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use. (40 CFR 63.11116(a)(3)).
    - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. (40 CFR 63.11116(a)(4))
  - c. Permittee must have records available within 24 hours of a request by the Administrator to document your gasoline throughput. (40 CFR 63.11116(b))





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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**K. Emission Unit(s) PF1.024 through PF1.026**

System 12 – Portable Crusher - Grizzly		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.024	Front End Loader transfer to Grizzly	4,351,098	269,502
PF1.025	Grizzly transfer of Fines Material to Conveyor C-1A	4,351,098	269,502
PF1.026	Conveyor C-1A drop to Transfer Conveyor TC-1	4,351,097	269,501

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 **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 **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.024 through PF1.026, each**, may operate a total of **20** hours per day.
    - (2) **PF1.024 through PF1.026, each**, may operate a total of **6,570** 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 **0.41** pounds per hour, nor more than **1.36** 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 **0.15** pounds per hour, nor more than **0.50** 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 **0.023** pounds per hour, nor more than **0.075** 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**K. Emission Unit(s) 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. (continued)
  - 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))
  
6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.024 through PF1.026** 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 **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) 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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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**L. Emission Unit(s) PF1.027**

System 13 – Portable Crusher – Primary Jaw Crusher		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.027	Primary Jaw Crusher and Associated Transfers (In from Grizzly Feeder; Out to Conveyor C-2A or Cone Crusher Feeder)	4,351,099	269,501

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.027** shall be controlled by a **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.027** shall not exceed **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.027** may operate a total of **20** hours per day.
    - (2) **PF1.027** may operate a total of **6,570** 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** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.74** pounds per hour, nor more than **2.44** 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 **0.33** pounds per hour, nor more than **1.084** 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 **0.050** pounds per hour, nor more than **0.16** 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** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.027** 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** 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**L. Emission Unit(s) PF1.027 (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. (continued)
  - 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))
  
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.027** 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** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.027** 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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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**M. Emission Unit(s) PF1.028**

System 14 – Portable Screen - Screen		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.028	Primary Screen and Associated Transfers [In from Conveyor C-2A; Out to Conveyor C-3A (Fines Material) and Conveyor C-4A (Oversized Material)]	4,351,104	269,494

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.028** shall be controlled by a **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.028** shall not exceed **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.028** may operate a total of **20** hours per day.
    - (2) **PF1.028** may operate a total of **6,570** 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 **PF1.028** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.44** pounds per hour, nor more than **11.29** 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 **1.20** pounds per hour, nor more than **3.93** 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 **0.18** pounds per hour, nor more than **0.60** 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 **PF1.028** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.028** 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. 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 **PF1.028** 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**M. Emission Unit(s) PF1.028 (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. (continued)
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.028** 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 **PF1.028** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.028** 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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**Section V. Specific Operating Conditions (continued)**

**N. Emission Unit(s) PF1.029**

System 15 – Portable Crusher - Transfer		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.029	Conveyor C-4A transfer to Secondary Feeder	4,351,109	269,487

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.029** shall be controlled by a **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.029** shall not exceed **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.029** may operate a total of **20** hours per day.
    - (2) **PF1.029** may operate a total of **6,570** 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 **PF1.029** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.41** pounds per hour, nor more than **1.36** 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 **0.15** pounds per hour, nor more than **0.50** 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 **0.023** pounds per hour, nor more than **0.075** 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 **PF1.029** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.029** 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 **PF1.029** 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)**

**N. Emission Unit(s) 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. (continued)
  - 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))
  
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.029** 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 **PF1.029** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.029** 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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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**O. Emission Unit(s) PF1.030**

System 16 – Portable Crusher – Cone Crusher		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.030	Cone Crusher and Associated Transfers (In from Secondary Feeder; Out to Conveyor C-5A)	4,351,110	269,485

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.030** shall be controlled by a **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.030** shall not exceed **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.030** may operate a total of **20** hours per day.
    - (2) **PF1.030** may operate a total of **6,570** 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 **PF1.030** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.74** pounds per hour, nor more than **2.44** 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 **0.33** pounds per hour, nor more than **1.084** 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 **0.050** pounds per hour, nor more than **0.16** 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** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.030** 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** 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**O. Emission Unit(s) PF1.030 (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. (continued)
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.030** 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 **PF1.030** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.030** 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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**Section V. Specific Operating Conditions (continued)**

**P. Emission Unit(s) PF1.031 through PF1.034**

System 17 – Portable Crusher – Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.031	Conveyor C-3A transfer to Conveyor TC-1	4,351,102	269,493
PF1.032	Conveyor TC-1 transfer to Conveyor TC-3	4,351,104	269,490
PF1.034	Conveyor TC-2 transfer to Conveyor TC-3	4,351,109	269,482
PF1.033	Conveyor C-5A transfer to Conveyor TC-2	4,351,111	269,484

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.031 through PF1.034** shall be controlled by **water sprays**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.031 through PF1.034, each**, shall not exceed **550.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,613,500** tons per year.
  - b. Hours
    - (1) **PF1.031 through PF1.034, each**, may operate a total of **20** hours per day.
    - (2) **PF1.031 through PF1.034, each**, may operate a total of **6,570** 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 **PF1.031 through PF1.034, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.41** pounds per hour, nor more than **1.36** 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 **0.15** pounds per hour, nor more than **0.50** 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 **0.023** pounds per hour, nor more than **0.075** 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 **PF1.031 through PF1.034, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.031 through PF1.034, 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 **PF1.031 through PF1.034, 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**P. Emission Unit(s) PF1.031 through 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. (continued)
  - 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))
  
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.031 through PF1.034, 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 **PF1.031 through PF1.034, each**, will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.031 through PF1.034, 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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Section V. Specific Operating Conditions (continued)

Q. Emission Unit(s) PF1.035

System 18 – Portable Crusher – Agglomerator Transfer		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.035	Conveyor TC-3 transfer to Agglomerator/Paddle Wheel	4,351,115	269,475

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.035** 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** shall not exceed **558.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,666,060** tons per year.
  - b. Hours
    - (1) **PF1.035** may operate a total of **20** hours per day.
    - (2) **PF1.035** may operate a total of **6,570** 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** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.42** pounds per hour, nor more than **1.37** 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 **0.15** pounds per hour, nor more than **0.50** 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 **0.023** pounds per hour, nor more than **0.076** 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** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.035** 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** 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:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**Q. Emission Unit(s) PF1.035 (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.(continued)
  - 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))
  
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)  
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.035** 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 **PF1.035** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.035** 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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Section V. Specific Operating Conditions (continued)

R. Emission Unit(s) PF1.036

System 19 – Portable Crusher - Agglomerator		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.036	Agglomerator/Paddle Wheel	4,351,115	269,475

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.036** shall be fully controlled by **saturation of the ore material**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.036** shall not exceed **558.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,666,060** tons per year.
  - b. Hours
    - (1) **PF1.036** may operate a total of **20** hours per day.
    - (2) **PF1.036** may operate a total of **6,570** 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 **PF1.036** 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 **PF1.036** 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 **PF1.036** on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.036** 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 **PF1.036** 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 conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
  - g. Inspect the agglomerator on a **monthly** basis to confirm that the agglomerator is functioning properly. If the agglomerator is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the agglomerator is functioning properly.



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

**R. Emission Unit(s) 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.
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.036** 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 **PF1.036** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **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))



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Section V. Specific Operating Conditions (continued)

S. Emission Unit(s) PF1.037 and PF1.038

System 20 – Portable Crusher – Transfers After Agglomerator		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.037	Agglomerator/Paddle Wheel transfer to Off-belt	4,351,115	269,475
PF1.038	Off-belt transfer to Conveyor C-25 on Heap Leach	4,351,115	269,475

1. Air Pollution Control Equipment (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)  
Emissions from **PF1.037 and PF1.038, each**, shall be controlled by **moisture carryover**.
2. Operating Parameters (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)
  - a. The maximum allowable throughput rate for **PF1.037 and PF1.038, each**, shall not exceed **558.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **3,666,060** tons per year.
  - b. Hours
    - (1) **PF1.037 and PF1.038, each**, may operate a total of **20** hours per day.
    - (2) **PF1.037 and PF1.038, each**, may operate a total of **6,570** 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 and PF1.038, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.25** pounds per hour, nor more than **0.82** 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 **0.092** pounds per hour, nor more than **0.30** 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 **0.046** tons per year.
  - d. The opacity from **PF1.038** 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 **PF1.037 and PF1.038, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.037 and PF1.038, 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 **PF1.038** 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 conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
  - g. Inspect the agglomerator on a **monthly** basis to confirm that the agglomerator is functioning properly. If the agglomerator is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the agglomerator is functioning properly.



**Bureau of Air Pollution Control**

**Facility ID No. A0404**

**Permit No. AP1041-4051.01**

**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**S. Emission Unit(s) PF1.037 and 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. (continued)
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.037** 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 **PF1.037** will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) 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))





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

**T. Emission Unit(s) PF1.039 through PF1.048**

System 21 – Portable Crusher – Transfers After Agglomerator		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.039	Conveyor C-25 transfer to Conveyor C-26	4,351,087	269,482
PF1.040	Conveyor C-26 transfer to Conveyor C-27	4,351,059	269,491
PF1.041	Conveyor C-27 transfer to Conveyor C-28	4,351,030	269,498
PF1.042	Conveyor C-28 transfer to Conveyor C-29	4,351,000	269,505
PF1.043	Conveyor C-29 transfer to Conveyor C-30	4,351,978	269,526
PF1.044	Conveyor C-30 transfer to Conveyor C-31	4,351,952	269,540
PF1.045	Conveyor C-31 transfer to Conveyor C-32	4,351,923	269,552
PF1.046	Conveyor C-32 transfer to Conveyor C-33	4,351,896	269,562
PF1.047	Conveyor C-33 transfer to Conveyor C-34	4,351,868	269,574
PF1.048	Conveyor C-34 transfer to Heap Leach	4,351,840	269,586

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)  
Emissions from **PF1.039 through PF1.048, each**, shall be controlled by **moisture carryover**.
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. The maximum allowable throughput rate for **PF1.039 through PF1.048, each**, shall not exceed **1,016.0** tons of **metallic ore** per any one-hour period averaged over a daily basis, nor more than **7,416,800** tons per year.
  - b. Hours
    - (1) **PF1.039 through PF1.048, each**, may operate a total of **20** hours per day.
    - (2) **PF1.039 through PF1.048, each**, may operate a total of **7,300** 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 through PF1.048, each** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **1.67** 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 **0.17** pounds per hour, nor more than **0.61** 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 **0.025** pounds per hour, nor more than **0.093** 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 **PF1.039 through PF1.048, each**, on a daily basis.
  - b. Monitor and record the hours of operation for **PF1.039 through PF1.048, 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.



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

**T. Emission Unit(s) PF1.039 through PF1.048 (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. (continued)
  - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.048** 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 conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
  - g. Inspect the agglomerator on a **monthly** basis to confirm that the agglomerator is functioning properly. If the agglomerator is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the agglomerator is functioning properly.
  - 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 LL – Standards of Performance for Metallic Processing Plants (40 CFR Part 60.380)
  - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.039 through PF1.047, 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 **PF1.039 through PF1.047, each**, will not exceed **10 percent** opacity. (40 CFR Part 60.382(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))
    - (3) At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.039 through PF1.047, 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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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**U. Emission Unit(s) S2.022 through S2.024**

System 22 – Diesel Generators		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.022	725 kW CAT Generator 1 (1093 hp, Caterpillar, mdl C27, sn ZRS00460, mfd 2014)	4,350,847	269,749
S2.023	725 kW CAT Generator 2 (1093 hp, Caterpillar, mdl C27, sn ZRS00460, mfd 2014)	4,350,845	269,751
S2.024	725 kW CAT Generator 3 (1093 hp, Caterpillar, mdl C27, sn ZRS00460, mfd 2014)	4,350,849	269,750

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.022 through S2.024** have no add-on controls.
  - b. Descriptive Stack Parameters  
 Stack Height: 10.0 feet  
 Stack Diameter: 0.50 feet  
 Stack Temperature: 811.5 °F
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.022 through S2.024** may consume only **diesel**.
  - b. The maximum allowable fuel consumption rate for **S2.022 through S2.024, each**, shall not exceed **53.2 gallons** per any one-hour period.
  - c. Hours  
 (1) **S2.022 through S2.024, each**, may operate a total of **24** hours per day.
  
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 **S2.022 through S2.024, each**, the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.21** pounds per hour, nor more than **0.92** 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 **0.21** pounds per hour, nor more than **0.92** 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 **0.21** pounds per hour, nor more than **0.92** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **0.011** pounds per hour, nor more than **0.049** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **5.57** pounds per hour, nor more than **24.40** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **2.35** pounds per hour, nor more than **10.29** tons per year.
  - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.27** pounds per hour, nor more than **1.18** tons per year.
  - h. The opacity from **S2.022 through S2.024, each**, shall not equal or exceed **20** percent.



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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**U. Emission Unit(s) S2.022 through S2.024 (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 total daily hours of operation for **S2.022 through S2.024, each**, for each day of operation.
- b. Monitor and record the consumption rate of **diesel** on a daily basis for **S2.022 through S2.024, each**, (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **U.2.b** of this section and the total daily hours of operation.
- c. Monitor and record the total yearly hours of operation of **S2.022 through S2.024, each**, 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))

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 2006 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 **0.20** grams/kW-hr (**0.32** pounds per hour).
  - (b) The discharge of CO to the atmosphere shall not exceed **3.50** grams/kW-hr (**5.59** pounds per hour).
  - (c) The discharge of NMHC (non-methane hydrocarbon) + NO<sub>x</sub> to the atmosphere shall not exceed **6.40** grams/kW-hr (**10.23** 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.

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.



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

**U. Emission Unit(s) S2.022 through S2.024 (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 (continued)
  - 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 89 except as permitted in **U.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))
  - 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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Section V. Specific Operating Conditions (continued)

V. Emission Unit(s) S2.025

System 23 – Propane Generator for Server		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.025	Propane Emergency Generator for Server (Generac, 12 hp, mdl G007029-0, mfd 2011)	4,350,564	269,745

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.025** has no add-on controls.
  - b. Descriptive Stack Parameters  
 Stack Height: 2.42 feet  
 Stack Diameter: 0.59 feet  
 Stack Temperature: 1292 °F
  
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
  - a. **S2.025** may consume only **liquefied petroleum gas (LPG)**.
  - b. The maximum allowable fuel consumption rate for **S2.025** shall not exceed **1.97 gallons** per any one-hour period.
  - c. Hours
    - (1) **S2.025** may operate a total of **24** hours per day.
    - (2) **S2.025** may operate a total of **100** hours per year of non-emergency use. There is no time limit on operation in emergency situations.
  
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 **S2.025** the following pollutants in excess of the following specified limits:
  - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0099** pounds per hour, nor more than **0.00049** 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 **0.0099** pounds per hour, nor more than **0.00049** 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 **0.0099** pounds per hour, nor more than **0.00049** tons per year.
  - d. The discharge of **SO<sub>2</sub>** (sulfur dioxide) to the atmosphere shall not exceed **0.00069** pounds per hour, nor more than **0.000034** tons per year.
  - e. The discharge of **NO<sub>x</sub>** (oxides of nitrogen) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.0079** tons per year.
  - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **12.10** pounds per hour, nor more than **0.61** tons per year.
  - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.0082** tons per year.
  - h. The opacity from **S2.025** shall not equal or exceed **20** percent.





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

**V. Emission Unit(s) S2.025 (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 total daily hours of operation for **S2.025** for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
- b. Monitor and record the consumption rate of **LPG** on a daily basis for **S2.025** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as state in **V.2.b** of this section and the total daily hours of operation.
- c. Monitor and record the total yearly hours of operation of **S2.025** 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)).

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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

a. Emissions Standards for Owners and Operators (40 CFR 60.4231, 40 CFR 60.4233, 40 CFR 60.4234, and 40 CFR 1054.105)

- (1) The Permittee of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in §60.4231(a) for their stationary SI ICE. (40 CFR 60.4233(a))
- (2) Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008 to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR part 90 or 1054, as follows: (40 CFR 60.4231(a))
  - (a) For a 2008 model year and later emergency engine with a maximum engine power less than or equal to 19 KW (25 HP) (40 CFR 1054.105(a), Table 1, Class II):
    - (i) The discharge of HC + NO<sub>x</sub> to the atmosphere shall not exceed **8** grams/kw-hr (**0.16** pounds/hr).
    - (ii) The discharge of CO to the atmosphere shall not exceed **610** grams/kw-hr (**12.10** pounds/hr).

(3) The Permittee of any modified or reconstructed stationary SI ICE subject to 40 CFR Part 60 Subpart JJJJ must meet the requirements as specified in paragraph (f)(1) of 60.4233. (40 CFR 60.4233(f))

(4) The Permittee of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP), that are modified or reconstructed after June 12, 2006, must comply with emission standards in §60.4231(a) for their stationary SI ICE. Engines with a date of manufacture prior to July 1, 2008 must comply with the emission standards specified in §60.4231(a) applicable to engines manufactured on July 1, 2008. (40 CFR 60.4233(f)(1))

(5) The Permittee of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. (40 CFR 60.4234)

b. Other Requirements for Owners and Operators (40 CFR 60.4237)

- (1) If you are a Permittee of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, the Permittee must install a non-resettable hour meter upon startup of your emergency engine. (40 CFR 60.4237(c))



**Bureau of Air Pollution Control**

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**Permit No. AP1041-4051.01**

**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**V. Emission Unit(s) S2.025 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
  - c. Compliance Requirements for Owners and Operators (40 CFR 60.4243)
    - (1) If you are a Permittee of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in 40 CFR 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, the Permittee must meet one of the requirements specified in (a)(1) and (2) of 40 CFR 60.4243. (40 CFR 60.4243(a))
      - (a) If the Permittee operates and maintains the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the Permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if the Permittee is an owner or operator. The Permittee must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to the Permittee. If the Permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the Permittee's stationary SI internal combustion engine will not be considered out of compliance. (40 CFR 60.4243(a)(1))
      - (b) If the Permittee does not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the Permittee's engine will be considered a non-certified engine, and the Permittee must demonstrate compliance according to 40 CFR 60.4243(a)(2)(i). (40 CFR 60.4243(a)(2))
        - (i) If you are the Permittee of a stationary SI internal combustion engine less than 100 HP, the Permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are the Permittee. (40 CFR 60.4243(a)(2)(i))
    - (2) If the Permittee owns or operates an emergency stationary ICE, the Permittee must operate the emergency stationary ICE according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3). In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), is prohibited. If you do not operate the engine according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines. (40 CFR 60.4243(d))
      - (a) There is no time limit on the use of emergency stationary ICE in emergency situations. (40 CFR 60.4243(d)(1))
      - (b) The Permittee may operate their emergency stationary ICE for any combination of the purposes specified in paragraph 40 CFR 60.4243(d)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph 40 CFR 60.4243(d)(3) counts as part of the 100 hours per calendar year allowed by 40 CFR 60.4243(d)(2). (40 CFR 60.4243(d)(2))
        - (i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. (40 CFR 60.4243(d)(2)(i))



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

**V. Emission Unit(s) S2.025 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
  - c. Compliance Requirements for Owners and Operators (40 CFR 60.4243) (continued)
    - (2) If the Permittee owns or operates an emergency stationary ICE, the Permittee must operate the emergency stationary ICE according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3). In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), is prohibited. If you do not operate the engine according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines. (40 CFR 60.4243(d)) (continued)
      - (c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph 40 CFR 60.4243(d)(2). (40 CFR 60.4243(d)(3))
  - d. Notification, Reports, and Records for Owners and Operators (40 CFR 60.4245)
    - (1) The Permittee of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements: (40 CFR 60.4245)
      - (a) The Permittee of all stationary SI ICE must keep records of the information in paragraphs 40 CFR 60.4245(a)(1) through 40 CFR 60.4245(a)(4). (40 CFR 60.4245(a))
        - (i) All notifications submitted to comply with this subpart and all documentation supporting any notification. (40 CFR 60.4245(a)(1))
        - (ii) Maintenance conducted on the engine. (40 CFR 60.4245(a)(2))
        - (iii) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable. (40 CFR 60.4245(a)(3))
        - (iv) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards. (40 CFR 60.4245(a)(4))
      - (2) For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. (40 CFR 60.4245(b))
    - 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 spark ignition engine meets the requirements of 40 CFR Part 60 Subpart JJJJ, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

W. Emission Unit(s) S2.026

Table with 4 columns: System 24 - Propane Generator for Office, Location UTM (Zone 11, NAD 83) m North, Location UTM (Zone 11, NAD 83) m East, and S2.026 Propane Emergency Generator for Office (Generac, 9.4 hp, mdl 7649545, mfd 2012)

- 1. Air Pollution Control Equipment (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)
a. S2.026 has no add-on controls.
b. Descriptive Stack Parameters
Stack Height: 5.00 feet
Stack Diameter: 1.50 feet
Stack Temperature: 1992 °F
2. Operating Parameters (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)
a. S2.026 may consume only liquefied petroleum gas (LPG).
b. The maximum allowable fuel consumption rate for S2.026 shall not exceed 1.46 gallons per any one-hour period.
c. Hours
(1) S2.026 may operate a total of 22 hours per day.
(2) S2.026 may operate a total of 100 hours per year of non-emergency use. There is no time limit on operation in emergency situations.
(3) S2.026 may operate from 2 AM to 12 AM only.
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 S2.026 the following pollutants in excess of the following specified limits:
a. The discharge of PM (particulate matter) to the atmosphere shall not exceed 0.0073 pounds per hour, nor more than 0.00037 tons per year.
b. The discharge of PM10 (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed 0.0073 pounds per hour, nor more than 0.00037 tons per year.
c. The discharge of PM2.5 (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed 0.0073 pounds per hour, nor more than 0.00037 tons per year.
d. The discharge of SO2 (sulfur dioxide) to the atmosphere shall not exceed 0.00051 pounds per hour, nor more than 0.000026 tons per year.
e. The discharge of NOx (oxides of nitrogen) to the atmosphere shall not exceed 0.031 pounds per hour, nor more than 0.0015 tons per year.
f. The discharge of CO (carbon monoxide) to the atmosphere shall not exceed 6.20 pounds per hour, nor more than 0.31 tons per year.
g. The discharge of VOCs (volatile organic compounds) to the atmosphere shall not exceed 0.067 pounds per hour, nor more than 0.0033 tons per year.
h. The opacity from S2.026 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 S2.026 for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
b. Monitor and record the consumption rate of LPG on a daily basis for S2.026 (in gallons) by multiplying the maximum hourly fuel consumption rate as state in W.2.b of this section and the total daily hours of operation.



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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**W. Emission Unit(s) S2.026 (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. (continued)
  - c. Monitor and record the total yearly hours of operation of **S2.026** 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)).
  
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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
  - a. Emissions Standards for Owners and Operators (40 CFR 60.4231, 40 CFR 60.4233, 40 CFR 60.4234, and 40 CFR 1054.105)
    - (1) The Permittee of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008, must comply with the emission standards in §60.4231(a) for their stationary SI ICE. (40 CFR 60.4233(a))
    - (2) Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP) manufactured on or after July 1, 2008 to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR part 90 or 1054, as follows: (40 CFR 60.4231(a))
      - (a) For a 2008 model year and later emergency engine with a maximum engine power less than or equal to 19 KW (25 HP) (40 CFR 1054.105(a), Table 1, Class II):
        - (i) The discharge of HC + NO<sub>x</sub> to the atmosphere shall not exceed **8** grams/kw-hr (**0.12** pounds/hr).
        - (ii) The discharge of CO to the atmosphere shall not exceed **610** grams/kw-hr (**9.41** pounds/hr).
    - (3) The Permittee of any modified or reconstructed stationary SI ICE subject to 40 CFR Part 60 Subpart JJJJ must meet the requirements as specified in paragraph (f)(1) of 60.4233. (40 CFR 60.4233(f))
    - (4) The Permittee of stationary SI ICE with a maximum engine power less than or equal to 19 KW (25 HP), that are modified or reconstructed after June 12, 2006, must comply with emission standards in §60.4231(a) for their stationary SI ICE. Engines with a date of manufacture prior to July 1, 2008 must comply with the emission standards specified in §60.4231(a) applicable to engines manufactured on July 1, 2008. (40 CFR 60.4233(f)(1))
    - (5) The Permittee of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine. (40 CFR 60.4234)
  - b. Other Requirements for Owners and Operators (40 CFR 60.4237)
    - (1) If you are a Permittee of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, the Permittee must install a non-resettable hour meter upon startup of your emergency engine. (40 CFR 60.4237(c))





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**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

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

**W. Emission Unit(s) S2.026 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
  - c. Compliance Requirements for Owners and Operators (40 CFR 60.4243)
    - (1) If you are a Permittee of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in 40 CFR 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, the Permittee must meet one of the requirements specified in (a)(1) and (2) of 40 CFR 60.4243. (40 CFR 60.4243(a))
      - (a) If the Permittee operates and maintains the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the Permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if the Permittee is an owner or operator. The Permittee must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to the Permittee. If the Permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the Permittee's stationary SI internal combustion engine will not be considered out of compliance. (40 CFR 60.4243(a)(1))
      - (b) If the Permittee does not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the Permittee's engine will be considered a non-certified engine, and the Permittee must demonstrate compliance according to 40 CFR 60.4243(a)(2)(i). (40 CFR 60.4243(a)(2))
        - (i) If you are the Permittee of a stationary SI internal combustion engine less than 100 HP, the Permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are the Permittee. (40 CFR 60.4243(a)(2)(i))
    - (2) If the Permittee owns or operates an emergency stationary ICE, the Permittee must operate the emergency stationary ICE according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3). In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), is prohibited. If you do not operate the engine according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines. (40 CFR 60.4243(d))
      - (a) There is no time limit on the use of emergency stationary ICE in emergency situations. (40 CFR 60.4243(d)(1))
      - (b) The Permittee may operate their emergency stationary ICE for any combination of the purposes specified in paragraph 40 CFR 60.4243(d)(2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph 40 CFR 60.4243(d)(3) counts as part of the 100 hours per calendar year allowed by 40 CFR 60.4243(d)(2). (40 CFR 60.4243(d)(2))
        - (i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. (40 CFR 60.4243(d)(2)(i))





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

**W. Emission Unit(s) S2.026 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
  - c. Compliance Requirements for Owners and Operators (40 CFR 60.4243) (continued)
    - (2) If the Permittee owns or operates an emergency stationary ICE, the Permittee must operate the emergency stationary ICE according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3). In order for the engine to be considered an emergency stationary ICE under 40 CFR Part 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), is prohibited. If you do not operate the engine according to the requirements in paragraphs 40 CFR 60.4243(d)(1) through 40 CFR 60.4243(d)(3), the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart JJJJ and must meet all requirements for non-emergency engines. (40 CFR 60.4243(d)) (continued)
      - (c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph 40 CFR 60.4243(d)(2). (40 CFR 60.4243(d)(3))
  - d. Notification, Reports, and Records for Owners and Operators (40 CFR 60.4245)
    - (1) The Permittee of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements: (40 CFR 60.4245)
      - (a) The Permittee of all stationary SI ICE must keep records of the information in paragraphs 40 CFR 60.4245(a)(1) through 40 CFR 60.4245(a)(4). (40 CFR 60.4245(a))
        - (i) All notifications submitted to comply with this subpart and all documentation supporting any notification. (40 CFR 60.4245(a)(1))
        - (ii) Maintenance conducted on the engine. (40 CFR 60.4245(a)(2))
        - (iii) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable. (40 CFR 60.4245(a)(3))
        - (iv) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to §60.4243(a)(2), documentation that the engine meets the emission standards. (40 CFR 60.4245(a)(4))
      - (2) For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. (40 CFR 60.4245(b))
    - 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 spark ignition engine meets the requirements of 40 CFR Part 60 Subpart JJJJ, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))

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



**Bureau of Air Pollution Control**

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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 **Billy the Kid Mine** is **785.4** 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 \*\*\*\***



**Bureau of Air Pollution Control**

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**CLASS II AIR QUALITY OPERATING PERMIT**

**Issued to:** COMSTOCK PROCESSING LLC – COMSTOCK PROCESSING (AS PERMITTEE)

**Section IX. Amendments**

**January 2025 (Air Case #12179)**

- System 11 – VOC emission limits updated
- System 23 – NOX and CO emission limit units corrected

**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: February 12, 2025 .**  
**(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:** February 12, 2030

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

**Issued by:** Tanya Soleta, P.E.  
Supervisor, Permitting Branch  
Bureau of Air Pollution Control

**Phone:** (775) 687- 9540    **Date:** **Date**

## Class II Insignificant Activities List

Appended to Permit #AP1041-4051.01

Emission Unit #	Emission Unit Description
IA1.001	210,000 Btu Portable Diesel Heater
IA1.002	260,000 Btu Propane Heater
IA1.003	1.28 MMBtu Propane HVAC System (Process Building)
IA1.004	Transmission Oil Tank 1 (275 Gallon)
IA1.005	Transmission Oil Tank 2 (275 Gallon)
IA1.006	Transmission Oil Tank 3 (275 Gallon)
IA1.007	Transmission Oil Tank 4 (275 Gallon)
IA1.008	Transmission Oil Tank 5 (275 Gallon)
IA1.009	Transmission Oil Tank 6 (275 Gallon)
IA1.010	10,000 Gallon Red Dye Diesel Storage Tank
IA1.011	2,000 Gallon Clear Diesel Storage Tank
IA1.012	500 Gallon Used Oil Storage Tank 1
IA1.013	500 Gallon Used Oil Storage Tank 2
IA1.014	Used Oil Tote 1 (275 Gallon)
IA1.015	Used Oil Tote 2 (275 Gallon)
IA1.016	Used Oil Tote 3 (275 Gallon)
IA1.017	Used Oil Tote 4 (275 Gallon)
IA1.018	150 Gallon Office Generator Propane Tank
IA1.019	1,000 Gallon Propane Storage Tank 1
IA1.020	1,000 Gallon Propane Storage Tank 2
IA1.021	Jaw Crusher #1 (BICO, s#71525)
IA1.022	Jaw Crusher #2 (BICO, s#71524)
IA1.023	Jaw Crusher for MET
IA1.024	Ring and Puck Pulverizer #1 (BICO, s#71525)
IA1.025	Ring and Puck Pulverizer #2 (BICO, s#71524)
IA1.026	Ring and Puck Pulverizer #3
IA1.027	Ring and Puck Pulverizer #4
IA1.028	Cone Crusher #1 (Mesto, mdl# Gyroll, sn#4100-089)
IA1.029	Combustion for Mercury Retort
IA1.030	Electric Fire Assay Furnace #1
IA1.031	Electric Fire Assay Furnace #2
IA1.032	Electric Fire Assay Furnace #3
IA1.033	Electric Drying Oven A (Proheco Manufacturing Co.)
IA1.034	Electric Drying Oven B (VWR Scientific, Inc.)
IA1.035	Electric Drying Oven C (VWR Scientific, Inc.)