



Bureau of Air Pollution Control

901 SOUTH STEWART STREET SUITE 4001

CARSON CITY, NEVADA 89701-5249

p: 775-687-9349 • ndep.nv.gov/air

Facility ID No. A0475

Permit No. AP2951-5129

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. (HEREINAFTER REFERRED TO AS PERMITTEE)

Mailing Address: PO BOX 38, PAHRUMP, NV 89041

Driving Directions: FROM THE INTERSECTION OF SR 372 AND SR160 IN PAHRUMP, DRIVE SOUTHEAST 3.75 MILES ON SR 160 TO GRAVEL PIT ROAD ON THE LEFT. DRIVE NORTH TO THE WULFENSTEIN BLM GRAVEL PIT.

General Facility Location: SECTION 29, T 20 S, R 54 E, MDB&M
HA 162 – PAHRUMP VALLEY / NYE COUNTY
NORTH 4,004,463 M, EAST 596,624 M, UTM ZONE 11, NAD 83

Emission Unit List:

A. System 01 - BDM Asphalt Plant

PF1.001 Raw Material to Hopper H-1
PF1.002 Raw Material to Hopper H-2
PF1.003 Raw Material to Hopper H-3
PF1.004 Raw Material to Hopper H-4
PF1.005 Raw Material to Hopper H-5

B. System 02 - BDM Asphalt Plant

PF1.006 Hopper H-1 to Belt Feeder BF-1
PF1.007 Hopper H-2 to Belt Feeder BF-2
PF1.008 Hopper H-3 to Belt Feeder BF-3
PF1.009 Hopper H-4 to Belt Feeder BF-4
PF1.010 Hopper H-5 to Belt Feeder BF-5
PF1.011 Belt Feeder BF-1 to Belt Collector (D11)
PF1.012 Belt Feeder BF-2 to Belt Collector (D11)
PF1.013 Belt Feeder BF-3 to Belt Collector (D11)
PF1.014 Belt Feeder BF-4 to Belt Collector (D11)
PF1.015 Belt Feeder BF-5 to Belt Collector (D11)

C. System 03 - BDM Asphalt Plant

PF1.016 4x8 Scalping Screen (D12) and Associated Transfers (IN: Belt Collector (D11), OUT: Screen Underbelt (D13))

D. System 04 - BDM Asphalt Plant

PF1.017 Screen Underbelt (D13) to Drum Mixer (D14)

E. System 05 - BDM Asphalt Plant Drum Mixer

S2.001 Drum Mixer (D14)
PF1.078 Drum Mixer (D14) transfer to Drag Slat Elevator (D15)

F. System 06 - BDM Asphalt Plant

PF1.018 Drag Slat Elevator (D15) to Hot Storage Silo (D16)

G. System 07 - BDM Asphalt Plant

PF1.019 Asphalt Plant (Truck) Loadout from Hot Storage Silo (D16)



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Emission Unit List: (continued)

H. System 8 - Kolberg Wash Plant

PF1.020 Loader transfer to Hopper/Feeder

I. System 9 - Kolberg Wash Plant

PF1.021 Hopper/Feeder transfer to Conveyor C-3

J. System 10 - Kolberg Wash Plant

PF1.022 Kolberg 2-Deck Screen #1 and Associated Transfers (IN: Conveyor C-3, OUT: to Stockpile and Conveyor C-4)

PF1.023 Conveyor C-4 transfer to Stockpile

K. System 11 - Kolman Feeder with Screen Plant

PF1.024 Loader transfer to Hopper/Feeder

L. System 12 - Kolman Feeder with Screen Plant

PF1.025 Hopper/Feeder to Conveyor C-5

M. System 13 - Kolman Feeder with Screen Plant

PF1.026 Kolman 2-Deck Screen #2 and Associated Transfers (IN: Conveyor C-5, OUT: Conveyors C-6 and C-7)

N. System 14 - Kolman Feeder with Screen Plant

PF1.027 Conveyor C-6 to Stockpile

O. System 15 - Kolman Feeder with Screen Plant

PF1.028 Conveyor C-7 to Conveyor C-8

PF1.029 Conveyor C-8 transfer to Stockpile

P. System 16 - ACTECH Crusher Plant

PF1.030 Loader transfer to Hopper/Feeder

Q. System 17 - ACTECH Crusher Plant

PF1.031 Hopper/Feeder to Conveyor C-9

PF1.032 Conveyor C-9 to Conveyor C-10

R. System 18 - ACTECH Crusher Plant

PF1.033 3-Deck Screen #3 and Associated Transfers (IN: Conveyor C-10, OUT: Conveyors C-11, C-12, and C-13)

S. System 19 - ACTECH Crusher Plant

PF1.034 Conveyor C-11 transfer to Stockpile

T. System 20 - ACTECH Crusher Plant

PF1.035 Conveyor C-12 to Stockpile

U. System 21 - ACTECH Crusher Plant

PF1.036 Actech Crusher CR-1 and Associated Transfers (IN: Conveyor C-13 and Recirculation Conveyor C-18, OUT: Conveyor C-14)



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Emission Unit List: (continued)

V. System 22 - ACTECH Crusher Plant

PF1.037 3-Deck Screen #4 and Associated Transfers (IN: Conveyor C-14, OUT: Conveyors C-15, C-16, C-17 and Recirculation Conveyor C-18)

W. System 23 - ACTECH Crusher Plant

PF1.038 Conveyor C-15 to Stockpile

X. System 24 - ACTECH Crusher Plant

PF1.039 Conveyor C-16 to Stockpile

Y. System 25 - ACTECH Crusher Plant

PF1.040 Conveyor C-17 transfer to Stockpile

Z. System 26 - Generator

S2.002 Diesel Generator 1106 Hp (Cat 3508, SN: 023Z01739, Gen: 5UA01045)

AA. System 27 - Type II Plant

PF1.041 Raw Material transfer to Hopper (Equip # A01)

AB. System 28 - Type II Plant

PF1.042 Hopper (A01) to Conveyor (Equip # A02)

PF1.043 Conveyor (A02) to Conveyor (Equip # A03)

AC. System 29 - Type II Plant

PF1.044 Conveyor (A03) to Surge Bin (Equip # A03a)

PF1.077 Conveyor (A07) to Surge Bin (Equip # A03a)

PF1.045 Surge Bin (A03a) to Conveyor (Equip # A04)

AD. System 30 - Type II Plant

PF1.046 3-Deck Screen (A05) and Associated Transfers (IN: Conveyor A04, OUT: Cone Crusher A06 and Screen Underbelt A08)

AE. System 31 - Type II Plant

PF1.047 Cone Crusher (A06) and Associated Transfers (IN: 3-Deck Screen A05, OUT: Recirculation Conveyor A07)

AF. System 32 - Type II Plant

PF1.048 Screen Underbelt (A08) transfer to Conveyor (Equip # A09)

PF1.049 Conveyor (A09) to Stacker Conveyor (Equip # A10)

PF1.050 Stacker Conveyor (A10) to Stockpile



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Emission Unit List: (continued)

AG. System 33 - Mixing Plant Loading

PF1.051 Aggregate Material to Hoppers (E01a)
PF1.065 Aggregate Material to Hoppers (E01b)
PF1.066 Aggregate Material to Hoppers (E01c)
PF1.067 Aggregate Material to Hoppers (E01d)
PF1.068 Aggregate Material to Hoppers (E01e)

AH. System 34 - Mixing Plant Transfers

PF1.052 Hoppers E01a transfer to Belt Conveyors E02a
PF1.069 Hoppers E01b transfer to Belt Conveyors E02b
PF1.070 Hoppers E01c transfer to Belt Conveyors E02c
PF1.071 Hoppers E01d transfer to Belt Conveyors E02d
PF1.072 Hoppers E01e transfer to Belt Conveyors E02e
PF1.053 Conveyors E02a to Collecting Conveyor E03
PF1.073 Conveyors E02b to Collecting Conveyor E03
PF1.074 Conveyors E02c to Collecting Conveyor E03
PF1.075 Conveyors E02d to Collecting Conveyor E03
PF1.076 Conveyors E02e to Collecting Conveyor E03

AI. System 35 - Mixing Plant - Pugmill

PF1.055 Conveyor E03 to Slurry Tank
PF1.056 Slurry Tank (E09, Serial #A140009) to Pugmill Mixer (E04, Serial # A14004)
PF1.057 Pugmill Mixer (E04) to Belt Conveyor (Equip # E05, Serial # A14005)
PF1.058 Belt Conveyor E05 to Stacker Conveyor E06 (Serial # A14006)
PF1.059 Stacker Conveyor E06 to Stockpile

AJ. System 36 - Mixing Plant - Storage Silo

S2.003 Storage Silo E10 Loading (Serial # A14007)
PF1.060 Storage Silo transfer to Weigh Hopper

AK. System 37 - Mixing Plant - Storage Silo

PF1.061 Weigh Hopper transfer to Slurry Tank E09 (via Screw Conveyor)

AL. System 38 - Mixing Plant - Alternative Operation

PF1.062 Collecting Belt E03 to Surge Bin
PF1.063 Surge Bin E10 transfer to Stacker Conveyor E11
PF1.064 Stacker Conveyor E11 to Stockpile

******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

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. A0475

Permit No. AP2951-5129

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section III. General Construction Conditions

A. Notification (NAC 445B.250; NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)

1. Under the authority of NAC 445B.250 and NAC 445B.346; the Director shall be notified in writing of the following for **F1.001 through PF1.078 and S2.001 through S2.003**:
 - a. The date construction (or reconstruction as defined under NAC 445B.247) of the affected facility is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
 - b. 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.
 - c. The actual date of initial startup of the affected facility, postmarked within 15 days after such date.
 - d. 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.
2. The Permittee shall monitor and record the commissioning period for a reciprocating internal combustion engine (RICE). The commissioning period is the final phase of the construction process. Activities conducted during the commissioning period include: checking all mechanical, electrical, and control systems for the RICE and all related equipment; and confirming the performance measures specified in the purchase agreement. The commissioning period may take up to 2 weeks to complete. The “commissioning period” is not considered as the initial startup of the unit as long as the RICE is not being used for its intended purpose or any other beneficial use at the facility during this time. Site-specific determinations of initial startup may be required for facilities that operate in a commissioning mode for excessive periods of time.

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

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section IV. Specific Construction Requirements****A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))
(Federally Enforceable SIP Requirement)**

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

Table IV-1: Initial Opacity Compliance Demonstration

System	Emission Unit(s)	Pollutant To Be Tested	Testing Methods/Procedures
System 1	PF1.001, PF1.002, PF1.003, PF1.004, PF1.005	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 2	PF1.006, PF1.007, PF1.008, PF1.009, PF1.010, PF1.011, PF1.012, PF1.013, PF1.014, PF1.015		
System 3	PF1.016		
System 4	PF1.017		
System 5	S2.001, PF1.078		
System 6	PF1.018		
System 7	PF1.019		
System 8	PF1.020		
System 9	PF1.021		
System 10	PF1.022, PF1.023		
System 11	PF1.024		
System 12	PF1.025		
System 13	PF1.026		
System 14	PF1.027		
System 15	PF1.028, PF1.029		
System 16	PF1.030		
System 17	PF1.031, PF1.032		



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section IV. Specific Construction Requirements (continued)

A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))
(Federally Enforceable SIP Requirement) (continued)

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

System	Emission Unit(s)	Pollutant To Be Tested	Testing Methods/Procedures
System 18	PF1.033	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	PF1.034		
System 20	PF1.035		
System 21	PF1.036		
System 22	PF1.037		
System 23	PF1.038		
System 24	PF1.039		
System 25	PF1.040		
System 26	S2.002		
System 27	PF1.041		
System 28	PF1.042, PF1.043		
System 29	PF1.044, PF1.077, PF1.045		
System 30	PF1.046		
System 31	PF1.047		
System 32	PF1.048, PF1.049, PF1.050		
System 33	PF1.051, PF1.065, PF1.066, PF1.067, PF1.068		
System 34	PF1.052, PF1.069, PF1.070, PF1.071, PF1.072, PF1.053, PF1.073, PF1.074, PF1.075, PF1.076		
System 35	PF1.055, PF1.056, PF1.057, PF1.058, PF1.059,		
System 36	S2.003, PF1.060		
System 37	PF1.061		
System 38	PF1.062, PF1.063, PF1.064		

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section IV. Specific Construction Requirements (continued)**

- A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))
(Federally Enforceable SIP Requirement) (continued)

Table IV-2: Initial Performance Tests

System	Emission Unit(s)	Pollutants To Be Tested	Testing Methods/Procedures
System 5 - BDM Asphalt Plant	S2.001	PM/PM ₁₀ /PM _{2.5}	Method 5 and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine particulate matter emissions. All particulate captured in the Method 5 and Method 202 test shall be considered PM _{2.5} for determination of compliance. 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.
		SO ₂	Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
		NO _x	Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
System 26 - Diesel Generator 1,106 hp	S2.002	CO	Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
		VOC	Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

2. All initial opacity compliance demonstrations and initial performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of **Section I.H. Testing and Sampling** (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All initial performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
3. Testing shall be conducted on the exhaust stack (post controls).
4. Initial opacity compliance demonstrations and initial performance tests, as specified in Table IV-1 and Table IV-2 above, must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The Permittee shall make available to the Director such records as may be necessary to determine the conditions of the initial opacity compliance demonstrations and initial performance tests. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of the initial opacity compliance demonstrations and initial performance tests unless otherwise specified in the applicable standard. (NAC 445B.252(3))
5. The Permittee shall give notice to the Director 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to have an observer present. A written testing procedure must be submitted to the Director at least 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to review the proposed testing procedures. (NAC 445B.252(4) and 40 CFR Part 60.7(a)(6))



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section IV. Specific Construction Requirements (continued)

- A. Initial Opacity Compliance Demonstration and Initial Performance Tests (NAC 445B.22017, NAC 445B.252, NAC 445B.346(2))
(*Federally Enforceable SIP Requirement*) (continued)
6. Within 60 days after completing the initial opacity compliance demonstrations and initial performance tests contained in Table IV-1 and Table IV-2 of this section, the Permittee shall furnish the Director a written report of the results. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3689, inclusive. (NAC 445B.252(8))
 7. Initial opacity compliance demonstrations and initial performance tests required under this section that are conducted below the maximum allowable throughput, shall be subject to the Director's review to determine if the throughputs during the initial opacity compliance demonstrations and initial performance tests were sufficient to provide adequate compliance demonstration. Should the Director determine that the initial opacity compliance demonstrations and initial performance tests do not provide adequate compliance demonstration, the Director may require additional testing.

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

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions****A. Emission Units PF1.001 through PF1.005**

System 01 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.001	Raw Material to Hopper H-1	4,004,704	596,722
PF1.002	Raw Material to Hopper H-2	4,004,700	596,721
PF1.003	Raw Material to Hopper H-3	4,004,699	596,720
PF1.004	Raw Material to Hopper H-4	4,004,694	596,718
PF1.005	Raw Material to Hopper H-5	4,004,691	596,718

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.001 through PF1.005, each, have no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.001 through PF1.005, each**, shall not exceed **56.4** tons of **asphalt aggregates** per any one-hour period averaged over a daily basis, nor more than **67,680.0** tons per year.
 - b. Hours
 - (1) **PF1.001 through PF1.005, each**, may operate a total of **11** hours per day.
 - (2) **PF1.001 through PF1.005, each**, may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.001 through PF1.005, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.17** pounds per hour, nor more than **0.10** 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 **0.062** pounds per hour, nor more than **0.037** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0094** pounds per hour, nor more than **0.0056** tons per year.
 - d. The opacity from **PF1.001 through PF1.005, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.001 through PF1.005, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.001 through PF1.005, each**, on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 02 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.006	Hopper H-1 to Belt Feeder BF-1	4,004,704	596,722
PF1.007	Hopper H-2 to Belt Feeder BF-2	4,004,700	596,721
PF1.008	Hopper H-3 to Belt Feeder BF-3	4,004,699	596,720
PF1.009	Hopper H-4 to Belt Feeder BF-4	4,004,694	596,718
PF1.010	Hopper H-5 to Belt Feeder BF-5	4,004,691	596,718
PF1.011	Belt Feeder BF-1 to Belt Collector (D11)	4,004,704	596,722
PF1.012	Belt Feeder BF-2 to Belt Collector (D11)	4,004,700	596,721
PF1.013	Belt Feeder BF-3 to Belt Collector (D11)	4,004,699	596,720
PF1.014	Belt Feeder BF-4 to Belt Collector (D11)	4,004,694	596,718
PF1.015	Belt Feeder BF-5 to Belt Collector (D11)	4,004,691	596,718

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.006 through PF1.015, 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 **PF1.006 through PF1.015, each**, shall not exceed **56.4** tons of **asphalt aggregates** per any one-hour period averaged over a daily basis, nor more than **67,680.0** tons per year.
 - b. Hours
 - (1) **PF1.006 through PF1.015, each**, may operate a total of **11** hours per day.
 - (2) **PF1.006 through PF1.015, each**, may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.006 through PF1.015, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.042** pounds per hour, nor more than **0.025** 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 **0.016** pounds per hour, nor more than **0.0093** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0023** pounds per hour, nor more than **0.0014** 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 **PF1.006 through PF1.015, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.006 through PF1.015, 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.



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

B. Emission Units PF1.006 through PF1.015 (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.
 - 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 **PF1.006 through PF1.015, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.006 through PF1.015** 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 **PF1.006 through PF1.015, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b)).
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.006 through PF1.015** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****C. Emission Unit PF1.016**

System 03 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.016	4x8 Scalping Screen (D12) and Associated Transfers (IN: Belt Collector (D11), OUT: Screen Underbelt (D13))	4,004,679	596,714

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.016** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.016** shall not exceed **282.0** tons of **asphalt aggregates** per any one-hour period averaged over a daily basis, nor more than **338,400.0** tons per year.
 - b. Hours
 - (1) **PF1.016** may operate a total of **11** hours per day.
 - (2) **PF1.016** may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.016** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.76** pounds per hour, nor more than **1.06** 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 **0.61** pounds per hour, nor more than **0.37** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.093** pounds per hour, nor more than **0.056** 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 **PF1.016** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.016** 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 **PF1.016** 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)

C. Emission Unit PF1.016 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.016** 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 **PF1.016** will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.016** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****D. Emission Unit PF1.017**

System 04 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.017	Screen Underbelt (D13) to Drum Mixer (D14)	4,004,673	596,703

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.017** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.017** shall not exceed **282.0** tons of **asphalt aggregates** per any one-hour period averaged over a daily basis, nor more than **338,400.0** tons per year.
 - b. Hours
 - (1) **PF1.017** may operate a total of **11** hours per day.
 - (2) **PF1.017** may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.017** 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 **0.13** 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 **0.078** pounds per hour, nor more than **0.047** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0070** 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 **PF1.017** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.017** 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 **PF1.017** 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

D. Emission Unit PF1.017 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.017** 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 **PF1.017** will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.017** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****E. Emission Units S2.001 and PF1.078**

System 05 - BDM Asphalt Plant Drum Mixer		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.001	Drum Mixer (D14)	4,004,668	596,696
PF1.078	Drum Mixer (D14) transfer to Drag Slat Elevator (D15)	4,004,648	596,699

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Emissions from **S2.001 and PF1.078, each**, shall be controlled by a **wet scrubber**.
 - b. Descriptive Stack Parameters for S2.001
Stack Height: 20 feet
Stack Diameter: 3 feet
Stack Temperature: 150°F
Exhaust Flow: 7,780 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** shall not exceed **72.2** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **159,000.0** tons per year.
 - b. The maximum allowable combustion rate for **S2.001** shall not exceed **114.5** gallons of **asphalt oil (diesel)** per any one-hour period averaged over a daily basis, nor more than **252,000.0** gallons per year.
 - c. **S2.001** shall only combust **#2 diesel**.
 - d. The maximum allowable throughput rate for **PF1.078** shall not exceed **300.0** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **360,000.0** tons per year.
 - e. Hours
 - (1) **S2.001 and PF1.078, each**, may operate a total of **11** hours per day.
 - (2) **S2.001 and PF1.078, each**, may operate a total of **2,200** 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 **S2.001** the following pollutants in excess of the following specified limits:
 - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.25** pounds per hour, nor more than **3.58** tons per year.
 - (2) The discharge of **PM₁₀** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.25** pounds per hour, nor more than **3.58** tons per year.
 - (3) The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **3.25** pounds per hour, nor more than **3.58** tons per year.
 - (4) The discharge of **SO₂** (sulfur dioxide) to the atmosphere shall not exceed **0.79** pounds per hour, nor more than **0.87** tons per year.
 - (5) The discharge of **NO_x** (oxides of nitrogen) to the atmosphere shall not exceed **3.97** pounds per hour, nor more than **4.37** tons per year.
 - (6) The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **9.39** pounds per hour, nor more than **10.3** tons per year.
 - (7) The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **2.31** pounds per hour, nor more than **2.54** tons per year.
 - (8) The opacity from **S2.001** shall not equal or exceed **20** percent.



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

E. Emission Units S2.001 and PF1.078 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*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 **PF1.078** the following pollutants in excess of the following specified limits:

- (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **0.18** tons per year.
- (2) The discharge of **PM₁₀** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **0.18** tons per year.
- (3) The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **0.18** tons per year.
- (4) The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.35** pounds per hour, nor more than **0.21** tons per year.
- (5) The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **3.66** pounds per hour, nor more than **2.19** tons per year.
- (6) The opacity from **PF1.078** 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 **S2.001 and PF1.078, each**, on a daily basis.
- b. Monitor and record the hours of operation for **S2.001 and PF1.078, 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 gallons and/or 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 **Wet Scrubber** controlling **S2.001 and PF1.078, 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 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 **Wet Scrubber** installed on **S2.001 and PF1.078, 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. The Permittee shall perform any corrective actions within 24 hours to ensure that the **Wet Scrubber** 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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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

E. Emission Units S2.001 and PF1.078 (continued)

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 on **S2.001** at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
 - a. All opacity compliance demonstrations and/or performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H. Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
 - b. Testing shall be conducted on the exhaust stack (post controls).
 - c. Method 5 and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine particulate matter emissions. All particulate captured in the Method 5 and Method 202 test shall be considered PM_{2.5} for determination of compliance. 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 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
 - e. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
 - f. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
 - g. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.
 - h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
6. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
 - a. On and after the date on which the performance test required to be conducted for **S2.001 and PF1.078, each**, is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
 - (1) Contain particulate matter in excess of **90 mg/dscm** (0.04 gr/dscf). (40 CFR Part 60.92(a)(1))
 - (2) Exhibit 20 percent opacity, or greater.
 - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **S2.001** 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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System 06 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.018	Drag Slat Elevator (D15) to Hot Storage Silo (D16)	4,004,648	596,699

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.018** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.018** shall not exceed **300.0** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **360,000.0** tons per year.
 - b. Hours
 - (1) **PF1.018** may operate a total of **11** hours per day.
 - (2) **PF1.018** may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.018** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.088** pounds per hour, nor more than **0.053** 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 **0.088** pounds per hour, nor more than **0.053** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.088** pounds per hour, nor more than **0.053** tons per year.
 - d. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.35** pounds per hour, nor more than **0.21** tons per year.
 - e. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **3.66** pounds per hour, nor more than **2.19** tons per year.
 - f. The opacity from **PF1.018** 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 **PF1.018** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.018** 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)

F. Emission Unit PF1.018 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.018** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
 - g. Inspect the enclosure installed on **PF1.018** 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.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90)
 - a. On and after the date on which the performance test required to be conducted for **PF1.018** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
 - (1) Exhibit **20** percent opacity, or greater.
 - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.018** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****G. Emission Unit PF1.019**

System 07 - BDM Asphalt Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.019	Asphalt Plant (Truck) Loadout from Hot Storage Silo (D16)	4,004,648	596,699

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.019 has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.019** shall not exceed **300.0** tons of **asphalt** per any one-hour period averaged over a daily basis, nor more than **360,000.0** tons per year.
 - b. Hours
 - (1) **PF1.019** may operate a total of **11** hours per day.
 - (2) **PF1.019** may operate a total of **2,200** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.019** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.094** 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 **0.16** pounds per hour, nor more than **0.094** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.16** pounds per hour, nor more than **0.094** tons per year.
 - d. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.40** pounds per hour, nor more than **0.24** tons per year.
 - e. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **1.25** pounds per hour, nor more than **0.75** tons per year.
 - f. The opacity from **PF1.019** 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 **PF1.019** on a daily basis.
 - b. Monitor and record hours of operation for **PF1.019** 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. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
 - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
 - f. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))



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Section V. Specific Operating Conditions (continued)

G. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2)) (Federally Enforceable SIP Requirement New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart I – Standards of Performance for Hot Mix Asphalt Facilities (40 CFR Part 60.90))
 - a. On and after the date on which the performance test required to be conducted for **PF1.019** is completed, the Permittee subject to the provisions of this subpart shall not discharge or cause the discharge into the atmosphere gasses which:
 - (1) Exhibit **20** percent opacity, or greater.
 - b. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - c. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.019** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 08 - Kolberg Wash Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.020	Loader transfer to Hopper/Feeder	4,004,783	596,847

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.020 has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.020** shall not exceed **150.0** tons of **washed aggregates** per any one-hour period averaged over a daily basis.
 - b. Hours
 - (1) **PF1.020** may operate a total of **8** hours per day.
 - (2) **PF1.020** may operate a total of **2,880** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.020** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.45** pounds per hour, nor more than **0.65** 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 **0.17** pounds per hour, nor more than **0.24** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.036** tons per year.
 - d. The opacity from **PF1.020** 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 **PF1.020** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.020** 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 09 - Kolberg Wash Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.021	Hopper/Feeder transfer to Conveyor C-3	4,004,783	596,847

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.021** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.021** shall not exceed **150.0** tons of **washed aggregates** per any one-hour period averaged over a daily basis, nor more than **432,000.0** tons per year.
 - b. Hours
 - (1) **PF1.021** may operate a total of **8** hours per day.
 - (2) **PF1.021** may operate a total of **2,880** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.021** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.16** 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 **0.041** pounds per hour, nor more than **0.059** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0062** pounds per hour, nor more than **0.0090** tons per year.
 - d. The opacity from **PF1.021** 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 **PF1.021** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.021** 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 **PF1.021** 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)

I. Emission Unit PF1.021 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as 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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System 10 - Kolberg Wash Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.022	Kolberg 2-Deck Screen #1 and Associated Transfers (IN: Conveyor C-3, OUT: Stockpile and Conveyor C-4)	4,004,789	596,875
PF1.023	Conveyor C-4 transfer to Stockpile	4,004,754	596,873

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.022 and PF1.023, each**, shall be controlled by **full saturation**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.022 and PF1.023, each**, shall not exceed **150.0** tons of **washed aggregates** per any one-hour period averaged over a daily basis, nor more than **432,000.0** tons per year.
 - b. Hours
 - (1) **PF1.022 and PF1.023, each**, may operate a total of **8** hours per day.
 - (2) **PF1.022 and PF1.023, each**, may operate a total of **2,880** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.022 and PF1.023, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0** pounds per hour, nor more than **0.0** 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 **0.0** pounds per hour, nor more than **0.0** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0** pounds per hour, nor more than **0.0** tons per year.
 - d. The opacity from **PF1.022 and PF1.023, each**, shall not 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 **PF1.022 and PF1.023, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.022 and PF1.023, each**, on a daily basis
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
 - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.022 and PF1.023, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

J. Emission Units PF1.022 and PF1.023 (continued)

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

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System 11 - Kolman Feeder with Screen Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.024	Loader transfer to Hopper/Feeder	4,005,058	596,816

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.024 have no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.024** shall not exceed **350.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **560,000.0** tons per year.
 - b. Hours
 - (1) **PF1.024** may operate a total of **8** hours per day.
 - (2) **PF1.024** may operate a total of **2,920** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.024** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.05** pounds per hour, nor more than **0.84** 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 **0.39** pounds per hour, nor more than **0.31** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.058** pounds per hour, nor more than **0.047** tons per year.
 - d. The opacity from **PF1.024** 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 **PF1.024** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.024** 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 12 - Kolman Feeder with Screen Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.025	Hopper/Feeder to Conveyor C-5	4,005,058	596,816

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.025** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.025** shall not exceed **350.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **560,000.0** tons per year.
 - b. Hours
 - (1) **PF1.025** may operate a total of **8** hours per day.
 - (2) **PF1.025** may operate a total of **2,920** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.025** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.26** pounds per hour, nor more than **0.21** 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 **0.096** pounds per hour, nor more than **0.077** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.012** tons per year.
 - d. The opacity from **PF1.025** 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 **PF1.025** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.025** 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 **PF1.025** 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)

L. Emission Unit PF1.025 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as 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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System 13 - Kolman Feeder with Screen Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.026	Kolman 2-Deck Screen #2 and Associated Transfers (IN: Conveyor C-5, OUT: Conveyors C-6 and C-7)	4,005,013	596,823

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.026** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.026** shall not exceed **350.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **560,000.0** tons per year.
 - b. Hours
 - (1) **PF1.026** may operate a total of **8** hours per day.
 - (2) **PF1.026** may operate a total of **2,920** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.026** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.19** pounds per hour, nor more than **1.75** 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 **0.76** pounds per hour, nor more than **0.61** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.092** tons per year.
 - d. The opacity from **PF1.026** 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 throughput for **PF1.026** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.026** 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 **PF1.026** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.026 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as 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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System 14 - Kolman Feeder with Screen Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.027	Conveyor C-6 to Stockpile	4,004,995	596,780

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.027** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.027** shall not exceed **50.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **80,000.0** tons per year.
 - b. Hours
 - (1) **PF1.027** may operate a total of **8** hours per day.
 - (2) **PF1.027** may operate a total of **2,920** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.027** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.038** pounds per hour, nor more than **0.030** 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 **0.014** pounds per hour, nor more than **0.011** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0021** pounds per hour, nor more than **0.0017** tons per year.
 - d. The opacity from **PF1.027** 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 **PF1.027** 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 at the end of each month 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 at the end of each month 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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Section V. Specific Operating Conditions (continued)

N. Emission Unit 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.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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System 15 - Kolman Feeder with Screen Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.028	Conveyor C-7 to Conveyor C-8	4,005,001	596,805
PF1.029	Conveyor C-8 transfer to Stockpile	4,005,000	596,831

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.028 and PF1.029, 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 **PF1.028 and PF1.029, each**, shall not exceed **300.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **480,000.0** tons per year.
 - b. Hours
 - (1) **PF1.028 and PF1.029, each**, may operate a total of **8** hours per day.
 - (2) **PF1.028 and PF1.029, each**, may operate a total of **2,920** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.028 and PF1.029, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.18** 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 **0.083** pounds per hour, nor more than **0.066** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.010** tons per year.
 - d. The opacity from **PF1.029, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.028 and PF1.029, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.028 and PF1.029, each**, on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
 - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.028 and PF1.029, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

O. Emission Units PF1.028 and PF1.029 (continued)

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

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System 16 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.030	Loader transfer to Hopper/Feeder	4,004,846	596,824

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.030 has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.030** shall not exceed **200.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **320,000.0** tons per year.
 - b. Hours
 - (1) **PF1.030** may operate a total of **8** hours per day.
 - (2) **PF1.030** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.030** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.60** pounds per hour, nor more than **0.48** 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 **0.22** pounds per hour, nor more than **0.18** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.033** pounds per hour, nor more than **0.027** tons per year.
 - d. The opacity from **PF1.030** 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 **PF1.030** 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 17 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.031	Hopper/Feeder to Conveyor C-9	4,004,846	596,824
PF1.032	Conveyor C-9 to Conveyor C-10	4,004,842	596,823

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.031 and PF1.032, each**, shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.031 and PF1.032, each**, shall not exceed **200.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **320,000.0** tons per year.
 - b. Hours
 - (1) **PF1.031 and PF1.032, each**, may operate a total of **8** hours per day.
 - (2) **PF1.031 and PF1.032, each**, may operate a total of **1,600** 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 and PF1.032, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.12** 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 **0.055** pounds per hour, nor more than **0.044** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0083** pounds per hour, nor more than **0.0067** 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 and PF1.032, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.031 and PF1.032, each**, on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
 - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.031 and PF1.032, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

Q. Emission Units PF1.031 and PF1.032 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.031 and PF1.032** 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 and PF1.032, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.031 and PF1.032** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 18 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.033	3-Deck Screen #3 and Associated Transfers (IN: from Conveyor C-10, OUT: Conveyors C-11, C-12, and C-13)	4,004,828	596,822

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.033** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.033** shall not exceed **200.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **320,000.0** tons per year.
 - b. Hours
 - (1) **PF1.033** may operate a total of **8** hours per day.
 - (2) **PF1.033** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.033** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.25** pounds per hour, nor more than **1.00** 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 **0.44** pounds per hour, nor more than **0.35** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.066** pounds per hour, nor more than **0.053** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.033** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.033** on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
 - e. Monitor and record the total yearly hours of operation per year. The annual hours of operation shall be determined as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.033** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

R. Emission Unit PF1.033 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.033** 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 **PF1.033** will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.033** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 19 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.034	Conveyor C-11 transfer to Stockpile	4,004,828	596,831

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **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 **PF1.034** shall not exceed **75.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **120,000.0** tons per year.
 - b. Hours
 - (1) **PF1.034** may operate a total of **8** hours per day.
 - (2) **PF1.034** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.034** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.056** pounds per hour, nor more than **0.045** 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 **0.021** pounds per hour, nor more than **0.017** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0031** pounds per hour, nor more than **0.0025** tons per year.
 - d. The opacity from **PF1.034** 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 **PF1.034** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.034** on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined at the end of each month 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 at the end of each month 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 **PF1.034** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

S. Emission Unit PF1.034 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. 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.

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****T. Emission Unit PF1.035**

System 20 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.035	Conveyor C-12 to Stockpile	4,004,816	596,824

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 **25.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **40,000.0** tons per year.
 - b. Hours
 - (1) **PF1.035** may operate a total of **8** hours per day.
 - (2) **PF1.035** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.035** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.019** pounds per hour, nor more than **0.015** 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 **0.0069** pounds per hour, nor more than **0.0055** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0010** pounds per hour, nor more than **0.00083** tons per year.
 - d. The opacity from **PF1.035** 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 **PF1.035** 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 at the end of each month 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 at the end of each month 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

T. Emission Unit 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.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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System 21 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.036	Actech Crusher CR-1 and Associated Transfers (IN: Conveyor C-13 and Recirculation Conveyor C-18, OUT: Conveyor C-14)	4,004,823	596,820

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.036** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.036** shall not exceed **150.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **240,000.0** tons per year.
 - b. Hours
 - (1) **PF1.036** may operate a total of **8** hours per day.
 - (2) **PF1.036** may operate a total of **1,600** 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 **0.20** pounds per hour, nor more than **0.16** 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 **0.090** pounds per hour, nor more than **0.072** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.011** 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 **PF1.036** 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 at the end of each month 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 at the end of each month 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 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

U. Emission Unit PF1.036 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. Emission Limits (40 CFR Part 60.672, Table 3)
On and after the sixtieth day after achieving the maximum production rate at which **PF1.036** 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 **12 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction, and as otherwise provided in the applicable standard. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.036** 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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System 22 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.037	3-Deck Screen #4 and Associated Transfers (IN: Conveyor C-14, OUT: Conveyors C-15, C-16, C-17 and Recirculation Conveyor C-18)	4,004,808	596,815

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.037** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.037** shall not exceed **150.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **240,000.0** tons per year.
 - b. Hours
 - (1) **PF1.037** may operate a total of **8** hours per day.
 - (2) **PF1.037** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.037** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.94** pounds per hour, nor more than **0.75** 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 **0.33** pounds per hour, nor more than **0.26** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.049** pounds per hour, nor more than **0.040** tons per year.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.037** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.037** on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.037** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

V. Emission Unit PF1.037 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. Emission Limits (40 CFR Part 60.672, Table 3)
On and after the sixtieth day after achieving the maximum production rate at which **PF1.037** 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 **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction, and as otherwise provided in the applicable standard. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.037** 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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System 23 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.038	Conveyor C-15 to Stockpile	4,004,815	596,784

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.038** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.038** shall not exceed **40.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **64,000.0** tons per year.
 - b. Hours
 - (1) **PF1.038** may operate a total of **8** hours per day.
 - (2) **PF1.038** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.038** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.030** pounds per hour, nor more than **0.024** 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 **0.011** pounds per hour, nor more than **0.0088** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.0013** 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 **PF1.038** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.038** on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined at the end of each month 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 at the end of each month 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 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

W. Emission Unit PF1.038 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. 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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System 24 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.039	Conveyor C-16 to Stockpile	4,004,790	596,795

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.039** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.039** shall not exceed **30.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **48,000.0** tons per year.
 - b. Hours
 - (1) **PF1.039** may operate a total of **8** hours per day.
 - (2) **PF1.039** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.039** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.023** pounds per hour, nor more than **0.018** 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 **0.0083** pounds per hour, nor more than **0.0066** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0012** pounds per hour, nor more than **0.0010** tons per year.
 - d. The opacity from **PF1.039** 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** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.039** on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
 - d. Monitor and record the total yearly throughput rate in tons per year. The annual throughput shall be determined at the end of each month 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 at the end of each month 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 **PF1.039** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

X. Emission Unit PF1.039 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. 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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System 25 - ACTECH Crusher Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.040	Conveyor C-17 transfer to Stockpile	4,004,794	596,815

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.040** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.040** shall not exceed **30.0** tons of **aggregates** per any one-hour period averaged over a daily basis, nor more than **48,000.0** tons per year.
 - b. Hours
 - (1) **PF1.040** may operate a total of **8** hours per day.
 - (2) **PF1.040** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.040** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.023** pounds per hour, nor more than **0.018** 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 **0.0083** pounds per hour, nor more than **0.0066** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0012** pounds per hour, nor more than **0.0010** tons per year.
 - d. The opacity from **PF1.040** 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 **PF1.040** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.040** 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 at the end of each month 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 at the end of each month 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 **PF1.040** 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit PF1.040 (continued)

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

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System 26 - Generator		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002	Diesel Generator 1,106 hp (Cat 3508, SN: 023Z01739, Gen: 5UA01045, Mfg date: TBD)	4,004,825	596,804

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.002** has no add-on controls.
 - b. Descriptive Stack Parameters
Stack Height: 12 feet
Stack Diameter: 1 feet
Stack Temperature: 985°F
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.002** may consume only **ultra-low sulfur diesel**.
 - b. The maximum allowable fuel consumption rate for **S2.002** shall not exceed **55.0 gallons** per any one-hour period averaged over a daily basis, nor more than **88,000 gallons** per year.
 - c. Hours
 - (1) **S2.002** may operate a total of **8** hours per day.
 - (2) **S2.002** may operate a total of **1,600** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)

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

 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.77** pounds per hour, nor more than **0.62** 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 **0.77** pounds per hour, nor more than **0.62** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.77** pounds per hour, nor more than **0.62** tons per year.
 - d. The discharge of **SO₂** (sulfur dioxide) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0093** tons per year.
 - e. The discharge of **NO_x** (oxides of nitrogen) to the atmosphere shall not exceed **14.6** pounds per hour, nor more than **11.7** tons per year.
 - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **6.55** pounds per hour, nor more than **5.24** tons per year.
 - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **0.55** tons per year.
 - h. The opacity from **S2.002** shall not equal or exceed **20** percent.



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Section V. Specific Operating Conditions (continued)

Z. Emission Unit S2.002 (continued)

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

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

- a. Monitor and record the hours of operation for **S2.002** on a daily basis.
- b. Monitor and record the consumption rate of ultra-low sulfur diesel on a daily basis for **S2.002** (in gallons) either by the maximum fuel consumption rate provided on the manufacturer's specification sheet, to be kept onsite with records, or by use of a fuel flow meter.
- c. Monitor and record the total yearly throughput rate in gallons 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.
- d. Monitor and record the total yearly hours of operation of **S2.002** 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.
- e. Keep on site, and make available upon request, documentation demonstrating the purchase and use of **ultra-low sulfur diesel** consumed for **S2.002**.
- f. Keep on site, and make available upon request, documentation demonstrating that **engine timing has been retarded to control NO_x emissions**.
- g. 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 Table 1 for all pollutants, for the same model year and maximum engine power of **1,106 hp (825 kW)** for their pre-2007 model year and later non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder. (40 CFR 60.4204(a), Table 1))

- (1) For a **pre-2007** model year non-road engine with a rated power greater than 560 kW (40 CFR 60.4201(a), Table 1):
 - (a) The discharge of PM to the atmosphere shall not exceed **0.54** grams/kW-hr.
 - (b) The discharge of CO to the atmosphere shall not exceed **11.4** grams/kW-hr.
 - (c) The discharge of NO_x to the atmosphere shall not exceed **9.2** grams/kW-hr.
 - (d) The discharge of NMHC (non-methane hydrocarbon) to the atmosphere shall not exceed **1.3** grams/kW-hr.

b. Fuel Requirements (40 CFR 60.4207)

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

Z. Emission Unit S2.002 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*) (continued)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
 - 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 60.4205 over the entire life of the engine. (40 CFR 60.4206)
 - (2) The Permittee must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR Part 1068, except as permitted in **Z.5.d.(4)** of this section. (40 CFR 60.4211(a))
 - (3) The Permittee must demonstrate compliance according to one of the following methods: (40 CFR 60.4211(b))
 - (a) Purchasing an engine certified according to 40 CFR Part 1039 for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. (40 CFR 60.4211(b)(1))
 - (b) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in subpart IIII and these methods must have been followed correctly. (40 CFR 60.4211(b)(2))
 - (c) Keeping records of engine manufacturer data indicating compliance with the standards. (40 CFR 60.4211(b)(3))
 - (d) Keeping records of control device vendor data indicating compliance with the standards. (40 CFR 60.4211(b)(4))
 - (e) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212, as applicable. (40 CFR 60.4211(b)(5))
 - (4) 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 changes 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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System 27 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.041	Raw Material transfer to Hopper (Equip # A01)	4,004,846	596,613

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.041 has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.041** shall not exceed **300.0 tons** of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **450,000.0 tons** per year.
 - b. Hours
 - (1) **PF1.041** may operate a total of **12 hours** per day.
 - (2) **PF1.041** may operate a total of **3,744 hours** per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.041** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.90 pounds** per hour, nor more than **0.68 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 **0.33 pounds** per hour, nor more than **0.25 tons** per year.
 - c. The discharge of **PM_{2.5}** (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 **0.037 tons** per year.
 - d. The opacity from **PF1.041** 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 **PF1.041** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.041** 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 28 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.042	Hopper (A01) to Conveyor (Equip # A02)	4,004,846	596,613
PF1.043	Conveyor (A02) to Conveyor (Equip # A03)	4,004,845	596,627

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.042 and PF1.043, 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 **PF1.042 and PF1.043, each**, shall not exceed **300.0** tons of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **450,000.0** tons per year.
 - b. Hours
 - (1) **PF1.042 and PF1.043, each**, may operate a total of **12** hours per day.
 - (2) **PF1.042 and PF1.043, each**, may operate a total of **3,744** 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 **PF1.042 and PF1.043, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.17** 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 **0.083** pounds per hour, nor more than **0.062** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0094** 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 **PF1.042 and PF1.043, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.042 and PF1.043, 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 **PF1.042 and PF1.043, 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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Facility ID No. A0475

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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AB. Emission Units PF1.042 and PF1.043 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.044 and PF1.045, 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 **PF1.042 and PF1.043, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.044 and PF1.045** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****AC. Emission Units PF1.044, PF1.045, and PF1.077**

System 29 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.044	Conveyor (A03) to Surge Bin (Equip # A03a)	4,004,830	596,625
PF1.045	Surge Bin (A03a) to Conveyor (Equip # A04)	4,004,830	596,625
PF1.077	Conveyor (A07) to Surge Bin (Equip # A03a)	4,004,830	596,625

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.044, PF1.045, and PF1.077, 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 **PF1.044, PF1.045, and PF1.077, each**, shall not exceed **375.0** tons of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **562,500.0** tons per year.
 - b. Hours
 - (1) **PF1.044, PF1.045, and PF1.077, each**, may operate a total of **12** hours per day.
 - (2) **PF1.044, PF1.045, and PF1.077, each**, may operate a total of **3,744** 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 **PF1.044, PF1.045, and PF1.077, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.21** 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 **0.10** pounds per hour, nor more than **0.077** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.016** pounds per hour, nor more than **0.012** 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 **PF1.044, PF1.045, and PF1.077, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.044, PF1.045, and PF1.077, 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 **PF1.044, PF1.045, and PF1.077, 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AC. Emission Units PF1.044, PF1.045, and PF1.077 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.044, PF1.045, and PF1.077, 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 **PF1.044, PF1.045, and PF1.077, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.044, PF1.045, and PF1.077** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****AD. Emission Unit PF1.046**

System 30 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.046	3-Deck Screen (A05) and Associated Transfers (IN: Conveyor A04, OUT: Cone Crusher A06 and Screen Underbelt A08)	4,004,829	596,644

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.046** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.046** shall not exceed **375.0** tons of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **562,500.0** tons per year.
 - b. Hours
 - (1) **PF1.046** may operate a total of **12** hours per day.
 - (2) **PF1.046** may operate a total of **3,744** 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 **PF1.046** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.34** pounds per hour, nor more than **1.76** 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 **0.82** pounds per hour, nor more than **0.61** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.093** 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 **PF1.046** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.046** 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 **PF1.046** 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit PF1.046 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as 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 OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.046** 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 **PF1.046** will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.046** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 31 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.047	Cone Crusher (A06) and Associated Transfers (IN: 3-Deck Screen A05, OUT: Recirculation Conveyor A07)	4,004,819	596,642

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.047** shall be controlled by **water sprays**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.047** shall not exceed **75.0** tons of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **112,500.0** tons per year.
 - b. Hours
 - (1) **PF1.047** may operate a total of **12** hours per day.
 - (2) **PF1.047** may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.047** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.076** 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 **0.045** pounds per hour, nor more than **0.034** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0068** pounds per hour, nor more than **0.0051** 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 **PF1.047** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.047** 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 **PF1.047** 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit PF1.047 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.047** 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 **PF1.047** will not exceed **12 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.047** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 32 - Type II Plant		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.048	Screen Underbelt (A08) transfer to Conveyor (Equip # A09)	4,004,817	596,666
PF1.049	Conveyor (A09) to Stacker Conveyor (Equip # A10)	4,004,812	596,680
PF1.050	Stacker Conveyor (A10) to Stockpile	4,004,779	596,671

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.048 through PF1.050, 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 **PF1.048 through PF1.050, each**, shall not exceed **300.0** tons of **type II and sand** per any one-hour period averaged over a daily basis, nor more than **450,000.0** tons per year.
 - b. Hours
 - (1) **PF1.048 through PF1.050, each**, may operate a total of **12** hours per day.
 - (2) **PF1.048 through PF1.050, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.048 through PF1.050, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.17** 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 **0.083** pounds per hour, nor more than **0.062** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.0094** tons per year.
 - d. The opacity from **PF1.050** shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.048 through PF1.050, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.048 through PF1.050, 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 **PF1.048 through PF1.050, 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AF. Emission Units PF1.048 through PF1.050 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.
 - h. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
5. Federal Requirements (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants (40 CFR Part 60.670)
 - a. On and after the sixtieth day after achieving the maximum production rate at which **PF1.048 and PF1.049, 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 **PF1.048 and PF1.049, each**, will not exceed **7 percent** opacity. (40 CFR Part 60.672(b))
 - (2) The opacity standard set forth in this part shall apply at all times except during period of startup, shutdown, and malfunction. (40 CFR 60.11(c))
 - b. The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under 40 CFR 60.676(b). (40 CFR 60.674(b))
 - c. Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to 40 CFR 60.4(b). (40 CFR 60.676(k))
 - d. At all times, including periods of startup, shutdown, and malfunction, Permittee shall, to the extent practicable, maintain and operate **PF1.048 and PF1.049, each**, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR Part 60.11(d))

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System 33 - Mixing Plant Loading		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.051	Aggregate Material to Hoppers (E01a)	4,004,690	596,701
PF1.065	Aggregate Material to Hoppers (E01b)	4,004,689	596,703
PF1.066	Aggregate Material to Hoppers (E01c)	4,004,689	596,705
PF1.067	Aggregate Material to Hoppers (E01d)	4,004,689	596,706
PF1.068	Aggregate Material to Hoppers (E01e)	4,004,689	596,707

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.051 and PF1.065 through PF1.068, each, have no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.051 and PF1.065 through PF1.068, each**, shall not exceed **40.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **40,000.0** tons per year.
 - b. Hours
 - (1) **PF1.051 and PF1.065 through PF1.068, each**, may operate a total of **12** hours per day.
 - (2) **PF1.051 and PF1.065 through PF1.068, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.051 and PF1.065 through PF1.068, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.060** 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 **0.044** pounds per hour, nor more than **0.022** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0067** pounds per hour, nor more than **0.0033** tons per year.
 - d. The opacity from **PF1.051, PF1.065 through PF1.068, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.051 and PF1.065 through PF1.068, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.051 and PF1.065 through PF1.068, 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.

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System 34 - Mixing Plant Transfers		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.052	Hoppers E01a transfer to Belt Conveyors E02a	4,004,690	596,701
PF1.069	Hoppers E01b transfer to Belt Conveyors E02b	4,004,690	596,703
PF1.070	Hoppers E01c transfer to Belt Conveyors E02c	4,004,690	596,705
PF1.071	Hoppers E01d transfer to Belt Conveyors E02d	4,004,690	596,706
PF1.072	Hoppers E01e transfer to Belt Conveyors E02e	4,004,690	596,707
PF1.053	Conveyors E02a to Collecting Conveyor E03	4,004,690	596,701
PF1.073	Conveyors E02b to Collecting Conveyor E03	4,004,690	596,703
PF1.074	Conveyors E02c to Collecting Conveyor E03	4,004,690	596,705
PF1.075	Conveyors E02d to Collecting Conveyor E03	4,004,690	596,706
PF1.076	Conveyors E02e to Collecting Conveyor E03	4,004,689	596,706

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.052, PF1.053, and PF1.069 through PF1.076, 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 **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, shall not exceed **40.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **40,000.0** tons per year.
 - b. Hours
 - (1) **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, may operate a total of **12** hours per day.
 - (2) **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.030** pounds per hour, nor more than **0.015** 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 **0.011** pounds per hour, nor more than **0.0055** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.00083** tons per year.
 - d. The opacity from **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, shall not equal or exceed **20** percent.



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Section V. Specific Operating Conditions (continued)

AH. Emission Units PF1.052, PF1.053, and PF1.069 through PF1.076 (continued)

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

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

- a. Monitor and record the throughput for **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, on a daily basis.
- b. Monitor and record the hours of operation for **PF1.052, PF1.053, and PF1.069 through PF1.076, 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 **PF1.052, PF1.053, and PF1.069 through PF1.076, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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System 35 - Mixing Plant - Pugmill		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.055	Conveyor E03 to Slurry Tank	4,004,695	596,705
PF1.056	Slurry Tank (E09, Serial #A140009) to Pugmill Mixer (E04, Serial # A14004)	4,004,695	596,705
PF1.057	Pugmill Mixer (E04) to Belt Conveyor (Equip # E05, Serial # A14005)	4,004,695	596,705
PF1.058	Belt Conveyor E05 to Stacker Conveyor E06 (Serial # A14006)	4,004,696	596,702
PF1.059	Stacker Conveyor E06 to Stockpile	4,004,698	596,686

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.055 through PF1.059, each**, shall be controlled by **full saturation**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.056** shall not exceed **8.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **8,000.0** tons per year.
 - b. The maximum allowable throughput rate for **PF1.055, and PF1.057 through PF1.059, each**, shall not exceed **200.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **200,000.0** tons per year.
 - c. Hours
 - (1) **PF1.054 through PF1.059, each**, may operate a total of **12** hours per day.
 - (2) **PF1.054 through PF1.059, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.054 through PF1.059, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.00** pounds per hour, nor more than **0.00** tons per year.
 - b. The discharge of **PM₁₀** (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_{2.5}** (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 **PF1.054 through PF1.059, each**, shall not 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 **PF1.054 through PF1.059, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.054 through PF1.059, each**, on a daily basis.
 - c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.



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Section V. Specific Operating Conditions (continued)

AI. Emission Units PF1.054 through PF1.059 (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.
 - 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 on **PF1.054 through PF1.059, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
 - g. The Permittee of any affected facility that uses full saturation to control emissions from the affected facility must perform **monthly** periodic inspections to check that the full saturation control is functioning as intended. The Permittee must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the Permittee finds that the full saturation control is not functioning properly during an inspection. The Permittee must record each inspection, including the date of each inspection and any corrective actions taken.

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System 36 - Mixing Plant - Storage Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.003	Storage Silo E10 Loading (Serial # A14007)	4,004,699	596,705
PF1.060	Storage Silo transfer to Weigh Hopper	4,004,699	596,705

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Emissions from **S2.003** shall be controlled by a **filter vent**.
 - b. Emissions from **PF1.060** shall be controlled by an **enclosure**.
 - c. Descriptive Stack Parameters for S2.003
Stack Height: 25 feet
Stack Diameter: 1 foot
Stack Temperature: ambient
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **S2.003 and PF1.060, each**, shall not exceed **150.0** tons of **lime** per any one-hour period, nor more than **8,000.0** tons per year.
 - b. Hours
 - (1) **S2.003 and PF1.060, each**, may operate a total of **12** hours per day.
 - (2) **S2.003 and PF1.060, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 - a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.003** the following pollutants in excess of the following specified limits:
 - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.0040** tons per year.
 - (2) The discharge of **PM₁₀** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.051** pounds per hour, nor more than **0.0014** tons per year.
 - (3) The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0077** pounds per hour, nor more than **0.00021** tons per year.
 - (4) The opacity from **S2.003** shall not equal or exceed **20** percent.
 - b. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.060** the following pollutants in excess of the following specified limits:
 - (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.36** pounds per hour, nor more than **0.0096** tons per year.
 - (2) The discharge of **PM₁₀** (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 **0.0056** tons per year.
 - (3) The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.032** pounds per hour, nor more than **0.00085** tons per year.
 - (4) The opacity from **PF1.060** shall not equal or exceed **20** percent.



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Section V. Specific Operating Conditions (continued)

AJ. Emission Units S2.003 and PF1.060 (continued)

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

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

- a. Monitor and record the throughput for **S2.003 and PF1.060, each**, on a daily basis.
- b. Monitor and record the hours of operation for **S2.003 and PF1.060, 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
- f. Conduct and record an observation of visible emissions (excluding water vapor) on the bin vent controlling **S2.003** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
- g. Inspect the bin vent installed on **S2.003** in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
- h. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.060** 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 **PF1.060** on a **monthly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical to ensure that the enclosure is functioning properly. The Permittee must record each inspection of the enclosures, including the date of each inspection and any corrective actions taken.

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System 37 - Mixing Plant - Storage Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.061	Weigh Hopper transfer to Slurry Tank E09 (via Screw Conveyor)	4,004,696	596,705

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.061** shall be controlled by an **enclosure**.
2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. The maximum allowable throughput rate for **PF1.061** shall not exceed **8.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **8,000.0** tons per year.
 - b. Hours
 - (1) **PF1.061** may operate a total of **12** hours per day.
 - (2) **PF1.061** may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.061** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.019** pounds per hour, nor more than **0.0096** 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 **0.011** pounds per hour, nor more than **0.0056** tons per year.
 - c. The discharge of **PM_{2.5}** (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 **0.00085** tons per year.
 - d. The opacity from **PF1.061** 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 **PF1.061** on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.061** 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 at the end of each month 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 at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
 - f. Conduct and record an observation of visible emissions (excluding water vapor) on the enclosure controlling **PF1.061** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



Bureau of Air Pollution Control

Facility ID No. A0475

Permit No. AP2951-5129

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit PF1.061 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. Inspect the enclosure installed on **PF1.061** 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.

**Bureau of Air Pollution Control****Facility ID No. A0475****Permit No. AP2951-5129****CLASS II AIR QUALITY OPERATING PERMIT****Issued to:** WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)**Section V. Specific Operating Conditions (continued)****AL. Emission Units PF1.062 through PF1.064**

System 38 - Mixing Plant - Alternative Operation		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.062	Collecting Belt E03 to Surge Bin	4,004,686	596,702
PF1.063	Surge Bin E10 transfer to Stacker Conveyor E11	4,004,686	596,702
PF1.064	Stacker Conveyor E11 to Stockpile	4,004,699	596,705

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
Emissions from **PF1.062 through PF1.064, 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 **PF1.062 through PF1.064, each**, shall not exceed **200.0** tons of **marinated aggregates** per any one-hour period averaged over a daily basis, nor more than **200,000.0** tons per year.
 - b. Hours
 - (1) **PF1.062 through PF1.064, each**, may operate a total of **12** hours per day.
 - (2) **PF1.062 through PF1.064, each**, may operate a total of **3,744** hours per year.
3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.062 through PF1.064, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.075** 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 **0.055** pounds per hour, nor more than **0.028** tons per year.
 - c. The discharge of **PM_{2.5}** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0083** pounds per hour, nor more than **0.0042** tons per year.
 - d. The opacity from **PF1.062 through PF1.064, each**, shall not equal or exceed **20** percent.
4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **PF1.062 through PF1.064, each**, on a daily basis.
 - b. Monitor and record the hours of operation for **PF1.062 through PF1.064, 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 **PF1.062 through PF1.064, each**, on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

AL. Emission Units PF1.062 through PF1.064

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - g. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **monthly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as 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.

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



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Section VI. Emission Caps

A. Not Applicable

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



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Section VII. Surface Area Disturbance Conditions

The surface area disturbance for **BLM Pit** is **8.0** 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: WULFENSTEIN CONSTRUCTION COMPANY, INC. – WULFENSTEIN BLM PIT (AS PERMITTEE)

Section IX. Amendments

This permit:

- 1.** Is non-transferable. (NAC 445B.287.3) (*Federally Enforceable SIP Requirement*)
- 2.** Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5) (*Federally Enforceable SIP Requirement*)
- 3.** Will expire and be subject to renewal five (5) years from: _____ **Date** .
(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: **Date**

Signature: _____

Issued by: Shantell Davis
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687- 9549 **Date:** **Date**

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Class II Insignificant Activities List

Appended to Permit #AP2951-5129

Emission Unit #	Emission Unit Description
IA1.001	6,000-gallon AC Oil Tank #1
IA1.002	8,000-gallon AC Oil Tank #2