



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. A0011

Draft Permit No. AP3441-2516.03

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENNIUM BUILDING SYSTEMS, LLC (HEREINAFTER REFERRED TO AS PERMITTEE)

Mailing Address: 8200 WOOLERY WAY; FALLON, NV 89406

Physical Address: 8200 WOOLERY WAY; FALLON, NV 89406

Driving Directions: APPROXIMATELY 6 MILES WEST OF FALLON ON U.S. HIGHWAY 50, WEST OF TRENTO LANE

General Facility Location: SECTION 14, T 19N, R 27E, MDB&M

HA 101 – CARSON DESERT AREA/ CHURCHILL COUNTY

NORTH 4,374,750 M, EAST 335,088 M, UTM ZONE 11, NAD 83

Emission Unit List:

A. System 01 – Line 1 Paint Dip Tanks

PF1.001 Line 1 Paint Dip Tank 1 (57 x 3.5 x 3 feet)

PF1.002 Reserved

B. System 02 – Line 2 Paint Dip Tanks

PF1.003 Line 2 Paint Dip Tank 1 (81 x 3.5 x 4 feet)

PF1.004 Reserved

C. System 03 – Line 3 Paint Dip Tanks

PF1.005 Line 3 Paint Dip Tank 1 (118 x 2.5 x 10 feet)

PF1.006 Reserved

D. System 4 - Bridging Line

PF1.007 Bridging Paint Dip Tank (26 x 3 x 3 feet)

PF1.013 Flow Coater (5.75 x 3 x 4.75 feet)

E. System 05 – Welding Operations

S2.006 Welding (previously designated as PF1.008)

F. System 06 – Fire Pump

S2.001 225 HP John Deere Emergency Diesel Fire Pump (Model #: JU6H, Year: 2010)

G. System 07 – Gasoline Tank

PF1.010 500 Gallon Gasoline Tank

H. System 08 – Wood Nailer Process

S2.002 Automated Jointer Machine

S2.003 Automated Jointer Machine

I. System 09 – Wood Nailer Process

PF1.011 Angle Piercing (Plasma)

PF1.012 Angle Piercing (Plasma)

PF1.017 Angle Piercing (Plasma) (Air Case 11308 - Added)



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Emission Unit List: (continued)

J. System 10 - Bridging Line Plasma Cutting

PF1.014 Plasma Cutting Station (13 x 8.75 x 9 feet)

PF1.018 Plasma Cutting Station

K. System 11 - Maintenance Plasma Table

PF1.015 Plasma Table - Internal Maintenance Purposes

L. System 12 - Maintenance Handheld Plasma Cutting

PF1.016 Handheld Plasma Cutting - Internal Maintenance Purposes

M. System 13 – Automated Weldment Cell

PF1.019 Automated Weldment Cell (22' x 14' x 12')

N. System 14 – Emergency Generator

S2.004 Removed

S2.005 Emergency Generator (36 Hp/26 kw), Kohler, Model KG2204, Manufactured: 2022

******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: Assertion of emergency as affirmative defense to action for noncompliance (NAC 445B.326) *(State Only Requirement)*

1. A holder of an operating permit may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the operating permit if the holder of the operating permit demonstrates through signed, contemporaneous operating logs or other relevant evidence, that:
 - a. An emergency occurred and the holder of the operating permit can identify the cause of the emergency;
 - b. The facility was being properly operated at the time of the emergency;
 - c. During the emergency, the holder of the operating permit took all reasonable steps to minimize excess emissions; and
 - d. The holder of the operating permit submitted notice of the emergency to the Director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.
2. In any action for noncompliance, the holder of an operating permit who asserts the affirmative defense of an emergency has the burden of proof.

N. 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.

O. 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, at the time the operating permit is issued, including:
 - a. Semiannual progress reports and a schedule of dates for achieving milestones;
 - b. Prior notice of and explanations for missed deadlines; and
 - c. Any preventive or corrective measures taken.

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



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Section 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, and emissions. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

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



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Section III. General Construction Conditions

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

Any owner or operator subject to the provisions of NAC 445B.001 to 445B.390, inclusive, shall furnish the Director written notification of:

1. The date that construction or reconstruction of an affected facility is commenced, postmarked no later than 30 days after such date. This requirement does not apply in the case of mass-produced facilities which are purchased in completed form.
2. The anticipated date of initial startup of an affected facility, postmarked no more than 60 days and no less than 30 days prior to such date.
3. The actual date of initial start-up of an affected facility, postmarked within 15 days after such date.
4. The date upon which demonstration of the continuous monitoring system performance commences in accordance with NAC 445B.256 to 445B.267, inclusive. Notification must be postmarked not less than 30 days before such date.

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



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Section IV. Specific Construction Requirements

A. Not Applicable

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



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Section V. Specific Operating Conditions

A. Emission Unit PF1.001

System 01 – Line 1 Paint Dip Tanks		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.001	Line 1 Paint Dip Tank 1 (57 x 3.5 x 3 feet)	4,375,073	335,035
PF1.002	Reserved		

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.001 has no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.001** may contain only **paint/coating material and/or solvent**.
 - b. Hours
PF1.001 may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.001**, the following pollutants in excess of the following specified limits:
 - a. The combined discharge of **VOCs** (volatile organic compounds) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other VOC containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - b. The combined discharge of a **single HAPs** (hazardous air pollutants) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - c. The combined discharge of **combined HAP** to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - d. The opacity from **PF1.001** shall not equal or exceed **20 percent**.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in **Section VI.A.2** of this permit. 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.



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Section V. Specific Operating Conditions (continued)

B. Emission Unit PF1.003

System 02 – Line 2 Paint Dip Tanks		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.003	Line 2 Paint Dip Tank 1 (81 x 3.5 x 4 feet)	4,375,119	335,021
PF1.004	Reserved		

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.003 has no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.003** may contain only **paint/coating material and/or solvent**.
 - b. Hours
PF1.003 may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.003**, the following pollutants in excess of the following specified limits:
 - a. The combined discharge of **VOCs** (volatile organic compounds) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other VOC containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - b. The combined discharge of a **single HAPs** (hazardous air pollutants) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - c. The combined discharge of **combined HAPs** to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - d. The opacity from **PF1.003** 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 **Section VI.A.2** of this permit. 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.



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

C. Emission Unit PF1.005

System 03 – Line 3 Paint Dip Tanks		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.005	Line 3 Paint Dip Tank 1 (118 x 2.5 x 10 feet)	4,375,131	335,003
PF1.006	Reserved		

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.005 has no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.005** may contain only **paint/coating material and/or solvent**.
 - b. Hours
PF1.005 may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.005**, the following pollutants in excess of the following specified limits:
 - a. The combined discharge of **VOCs** (volatile organic compounds) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other VOC containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - b. The combined discharge of a **single HAPs** (hazardous air pollutants) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - c. The combined discharge of **combined HAPs** to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - d. The opacity from **PF1.005** 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 **Section VI.A.2** of this permit. 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.



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Section V. Specific Operating Conditions (continued)

D. Emission Units PF1.007 and PF1.013

System 04 – Bridging Line		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.007	Bridging Paint Dip Tank (26 x 3 x 3 feet)	4,374,963	335,095
PF1.013	Flow Coater (5.75 x 3 x 4.75 feet)	4,374,930	335,200

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.007 and PF1.013, each, have no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.007 and PF1.013, each, may contain only paint/coating material and/or solvent.**
 - b. Hours
PF1.007 and PF1.013, each, may operate 24 hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.007 and PF1.013** the following pollutants in excess of the following specified limits:
 - a. The combined discharge of **VOCs** (volatile organic compounds) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other VOC containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - b. The combined discharge of a **single HAPs** (hazardous air pollutants) to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - c. The combined discharge of **combined HAPs** to the atmosphere for **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material utilized for joist manufacturing, shall not exceed the emission limitations set forth in **Section VI.A.1.** of this permit.
 - d. The opacity from **PF1.007 and PF1.013, 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 **Section VI.A.2** of this permit. 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.



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006

System 05 – Welding Operations		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.006	Welding (previously designated as PF1.008)	4,375,036	335,030

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Emissions from **S2.006**, shall be controlled by a **dust collector that exhausts through a horizontal stack.**
 - b. Descriptive Stack Parameters
 Stack Height: **18 feet**
 Stack Temperature: **Ambient °F**
 Exhaust Flow: **23,562** dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Throughput
 The maximum allowable throughput rate of **welding wire** for **S2.006**, shall not exceed **4.58 tons per 24-hour period**, nor more than **1,670 tons per calendar year.**
 - b. Hours
S2.006 may operate **24 hours** per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.006** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.43 pounds per 24-hour period**, or more than **0.26 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 **1.43 pounds per 24-hour period**, or 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 **1.43 pounds per 24-hour period**, or more than **0.26 tons per year.**
 - d. The discharge of **HAPs** (hazardous air pollutants) to the atmosphere shall not exceed **0.016 tons per year.**
 - e. The opacity from **S2.006** shall not equal or exceed **20 percent.**

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput for **S2.006** on a weekly basis.
 - b. Monitor and record the calendar days of operation for **S2.006** on a weekly basis.
 - c. The corresponding daily throughput rate in tons per calendar day. The average daily throughput rate shall be determined from the total weekly throughput and the total weekly calendar days 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. Conduct and record an observation of visible emissions (excluding water vapor) on the **dust collector** controlling **S2.006** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
 - f. Inspect the **dust collector** installed on **PF1.008** on a monthly basis 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.
 - g. Maintain current Material Safety Data Sheets or Technical Data Sheets for the welding wire that is used.

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories
 - a. Standards and Management Practices (40 CFR 63.11516)
 - (1) If the Permittee owns or operates a new or existing welding affected source, the Permittee must comply with the requirements in paragraphs **E.5.a.(1)(a) and (b)** of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. If your welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), you must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in paragraphs **E.5.a.(2) through (7)** of this section. The requirements in paragraphs **E.5.a.(1) through (7)** of this section do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP. (40 CFR 63.11516(f))
 - (a) The Permittee must operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. The Permittee must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in 40 CFR 63.11519(c)(4), "Notification, recordkeeping, and reporting requirements." (40 CFR 63.11516(f)(1))
 - (b) The Permittee must implement one or more of the management practices specified in **E.5.a.(1)(b)(i) through (v)** of this section to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment. (40 CFR 63.11516(f)(2))
 - (i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG)); (40 CFR 63.11516(f)(2)(i))
 - (ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates; (40 CFR 63.11516(f)(2)(ii))
 - (iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation; (40 CFR 63.11516(f)(2)(iii))
 - (iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and(40 CFR 63.11516(f)(2)(iv))
 - (v) Use a welding fume capture and control system, operated according to the manufacturer's specifications. (40 CFR 63.11516(f)(2)(v))
 - (2) *Tier 1 compliance requirements for welding.* The Permittee must perform visual determinations of welding fugitive emissions as specified in 40 CFR 63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations. The Permittee must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in 40 CFR 63.11519(c)(2), "Notification, recordkeeping, and reporting requirements." (40 CFR 63.11516(f)(3))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (3) *Requirements upon initial detection of visible emissions from welding.* If visible fugitive emissions are detected during any visual determination required in **E.5.a.(2)** of this section, the Permittee must comply with the requirements in **E.5.a.(3)(a) and (b)** of this section. (40 CFR 63.11516(f)(4)) (continued)
 - (a) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with **E.5.a.(1)(b)** of this section. After completing such corrective actions, the Permittee must perform a follow-up inspection for visible fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring Requirements,” at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(4)(i))
 - (b) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions and submit with the Permittee’s annual certification and compliance report as required by 40 CFR 63.11519(b)(5), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(4)(ii))
 - (4) *Tier 2 requirements upon subsequent detection of visible emissions.* If visible fugitive emissions are detected more than once during any consecutive 12-month period (notwithstanding the results of any follow-up inspections), the Permittee must comply with **E.5.a.(4)(a) through (d)** of this section. (40 CFR 63.11516(f)(5))
 - (a) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, the Permittee must conduct a visual determination of emissions opacity, as specified in 40 CFR 63.11517(c), “Monitoring requirements,” at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(5)(i))
 - (b) In lieu of the requirement of **E.5.a.(2)** of this section to perform visual determinations of fugitive emissions with EPA Method 22, the Permittee must perform visual determinations of emissions opacity in accordance with 40 CFR 63.11517(d), “Monitoring Requirements,” using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(5)(ii))
 - (c) The Permittee must keep a record of each visual determination of emissions opacity performed in accordance with **E.5.a.(4)(a) or (b)** of this section, along with any subsequent corrective action taken, in accordance with the requirements in 40 CFR 63.11519(c)(3), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(5)(iii))
 - (d) The Permittee must report the results of all visual determinations of emissions opacity performed in accordance with **E.5.a.(4)(a) or (b)** of this section, along with any subsequent corrective action taken, and submit with the Permittee’s annual certification and compliance report as required by 40 CFR 63.11519(b)(6), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(5)(iv))
 - (5) *Requirements for opacities less than or equal to 20 percent but greater than zero.* For each visual determination of emissions opacity performed in accordance with **E.5.a.(4)** of this section for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, the Permittee must perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with **E.5.a.(1)(b)** of this section. (40 CFR 63.11516(f)(6))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (6) *Tier 3 requirements for opacities exceeding 20 percent.* For each visual determination of emissions opacity performed in accordance with **E.5.a.(4)** of this section for which the average of the six-minute average opacities recorded exceeds 20 percent, the Permittee must comply with the requirements in **E.5.a.(6)(a) through (e)** of this section. (40 CFR 63.11516(f)(7))
 - (a) The Permittee must submit a report of exceedance of 20 percent opacity, along with the Permittee’s annual certification and compliance report, as specified in 40 CFR 63.11519(b)(8), “Notification, recordkeeping, and reporting requirements,” and according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(i))
 - (b) Within 30 days of the opacity exceedance, the Permittee must prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in **E.5.a.(7)** of this section. If the Permittee has already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, the Permittee must prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days. (40 CFR 63.11516(f)(7)(ii))
 - (c) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, the Permittee must continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in 40 CFR 63.11517(d), “Monitoring Requirements,” using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(7)(iii))
 - (d) The Permittee must maintain records of daily visual determinations of emissions opacity performed in accordance with **E.5.a.(6)(c)** of this section, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in 40 CFR 63.11519(b)(9), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(iv))
 - (e) The Permittee must include these records in the Permittee’s annual certification and compliance report, according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(v))
 - (7) *Site-Specific Welding Emissions Management Plan.* The Site-Specific Welding Emissions Management Plan must comply with the requirements in **E.5.a.(7)(a) through (c)** of this section. (40 CFR 63.11516(f)(8))
 - (a) Site-Specific Welding Emissions Management Plan must contain the information in **E.5.a.(7)(a)(i) through (vi)** of this section. (40 CFR 63.11516(f)(8)(i))
 - (i) Company name and address; (40 CFR 63.11516(f)(8)(i)(A))
 - (ii) A list and description of all welding operations which currently comprise the welding affected source; (40 CFR 63.11516(f)(8)(i)(B))
 - (iii) A description of all management practices and/or fume control methods in place at the time of the opacity exceedance; (40 CFR 63.11516(f)(8)(i)(C))
 - (iv) A list and description of all management practices and/or fume control methods currently employed for the welding affected source; (40 CFR 63.11516(f)(8)(i)(D))
 - (v) A description of additional management practices and/or fume control methods to be implemented pursuant to **E.5.a.(6)(b)** of this section, and the projected date of implementation; and (40 CFR 63.11516(f)(8)(i)(E))
 - (vi) Any revisions to a Site-Specific Welding Emissions Management Plan must contain copies of all previous plan entries, pursuant to **E.5.a.(7)(a)(iv) and (v)** of this section. (40 CFR 63.11516(f)(8)(i)(F))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (7) *Site-Specific Welding Emissions Management Plan.* The Site-Specific Welding Emissions Management Plan must comply with the requirements in **E.5.a.(7)(a) through (c)** of this section. (40 CFR 63.11516(f)(8)) (continued)
 - (b) The Site-Specific Welding Emissions Management Plan must be updated annually to contain current information, as required by **E.5.a.(7)(a)(i) through (iii)** of this section and submitted with the Permittee’s annual certification and compliance report, according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(8)(ii))
 - (c) The Permittee must maintain a copy of the current Site-Specific Welding Emissions Management Plan in the Permittee’s records in a readily-accessible location for inspector review, in accordance with the requirements in 40 CFR 63.11519(c)(12), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(8)(iii))
 - b. Monitoring Requirements (40 CFR 63.11517)
 - (1) *Visual determination of fugitive emissions, general.* Visual determination of fugitive emissions must be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. The Permittee must conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test must be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period. (40 CFR 63.11517(a))
 - (2) *Visual determination of fugitive emissions, graduated schedule.* Visual determinations of fugitive emissions must be performed in accordance with **E.5.b.(1)** of this section and according to the schedule in **E.5.b.(2)(a) through (d)** of this section. (40 CFR 63.11517(b))
 - (a) *Daily Method 22 Testing.* Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process. (40 CFR 63.11517(b)(1))
 - (b) *Weekly Method 22 Testing.* If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests, performed in accordance with **E.5.b.(2)(a)** of this section for 10 days of work day operation of the process, the Permittee may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, the Permittee must resume EPA Method 22 testing of that operation once per day during each day that the process is in operation, in accordance with **E.5.b.(2)(a)** of this section. (40 CFR 63.11517(b)(2))
 - (c) *Monthly Method 22 Testing.* If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with **E.5.b.(2)(b)** of this section, the Permittee may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions are detected during these tests, the Permittee must resume weekly EPA Method 22 in accordance with **E.5.b.(2)(b)** of this section. (40 CFR 63.11517(b)(3))
 - (d) *Quarterly Method 22 Testing.* If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with **E.5.b.(2)(c)** of this section, the Permittee may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, the Permittee must resume monthly EPA Method 22 in accordance with **E.5.b.(2)(c)** of this section. (40 CFR 63.11517(b)(4))
 - (3) *Visual determination of emissions opacity for welding Tier 2 or 3, general.* Visual determination of emissions opacity must be performed in accordance with the procedures of EPA Method 9, of 40 CFR part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes. (40 CFR 63.11517(c))



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Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - b. Monitoring Requirements (40 CFR 63.11517) (continued)
 - (4) *Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule.* The Permittee must perform visual determination of emissions opacity in accordance with **E.5.b.(3)** of this section and according to the schedule in **E.5.b.(4)(a) through (e)** of this section. (40 CFR 63.11517(d))
 - (a) Daily Method 9 testing for welding, Tier 2 or 3. Perform visual determination of emissions opacity once per day during each day that the process is in operation. (40 CFR 63.11517(d)(1))
 - (b) Weekly Method 9 testing for welding, Tier 2 or 3. If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with **E.5.b.(4)(a)** of this section does not exceed 20 percent for 10 days of operation of the process, the Permittee may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, the Permittee must resume testing every day of operation of the process according to the requirements of **E.5.b.(4)(a)** of this section. (40 CFR 63.11517(d)(2))
 - (c) Monthly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with **E.5.b.(4)(b)** of this section does not exceed 20 percent for four consecutive weekly tests, the Permittee may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, the Permittee must resume testing every five days of operation of the process according to the requirements of **E.5.b.(4)(b)** of this section. (40 CFR 63.11517(d)(3))
 - (d) Quarterly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with **E.5.b.(4)(c)** of this section does not exceed 20 percent for three consecutive monthly tests, the Permittee may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any quarterly test, the Permittee must resume testing every 21 days (month) of operation of the process according to the requirements of **E.5.b.(4)(c)** of this section. (40 CFR 63.11517(d)(4))
 - (e) Return to Method 22 testing for welding, Tier 2 or 3. If, after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with **E.5.b.(4)(c)** of this section does not exceed 20 percent, the Permittee may resume EPA Method 22 testing as in **E.5.b.(4)(c) and (d)** of this section. In lieu of this, the Permittee may elect to continue performing EPA Method 9 tests in accordance with **E.5.b.(4)(c) and (d)** of this section. (40 CFR 63.11517(d)(5))
 - c. Reporting Requirements (40 CFR 63.11519(b))
 - (1) *Annual certification and compliance reports.* The Permittee must prepare and submit annual certification and compliance reports for each affected source according to the requirements of **E.5.c.(2) through (7)** of this section. The annual certification and compliance reporting requirements may be satisfied by reports required under other parts of the CAA, as specified in 40 CFR 63.11519(b)(3). (40 CFR 63.11519(b)(1))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - c. Reporting Requirements (40 CFR 63.11519(b)) (continued)
 - (2) *Dates.* Unless the Administrator has approved or agreed to a different schedule for submission of reports under 40 CFR 63.10(a), “General Provisions,” the Permittee must prepare and submit each annual certification and compliance report according to the dates specified in **E.5.c.(2)(a) through (c)** of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. (40 CFR 63.11519(b)(2))
 - (a) The first annual certification and compliance report must cover the first annual reporting period which begins the day after the compliance date and ends on December 31. (40 CFR 63.11519(b)(2)(i))
 - (b) Each subsequent annual certification and compliance report must cover the subsequent semiannual reporting period from January 1 through December 31. (40 CFR 63.11519(b)(2)(ii))
 - (c) Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31. (40 CFR 63.11519(b)(2)(iii))
 - (3) *General requirements.* The annual certification and compliance report must contain the information specified in **E.5.c.(3)(a) through (c)** of this section, and the information specified in **E.5.c.(4) through (5)** of this section that is applicable to each affected source. (40 CFR 63.11519(b)(4))
 - (a) Company name and address; (40 CFR 63.11519(b)(4)(i))
 - (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and (40 CFR 63.11519(b)(4)(ii))
 - (c) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. (40 CFR 63.11519(b)(4)(iii))
 - (4) *Visual determination of fugitive emissions requirements.* The annual certification and compliance report must contain the information specified in **E.5.c.(4)(a) through (c)** of this section for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring requirements.” (40 CFR 63.11519(b)(5))
 - (a) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions; (40 CFR 63.11519(b)(5)(i))
 - (b) A description of the corrective actions taken subsequent to the test; and (40 CFR 63.11519(b)(5)(ii))
 - (c) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions. (40 CFR 63.11519(b)(5)(ii))
 - (5) *Visual determination of emissions opacity requirements.* The annual certification and compliance report must contain the information specified in **E.5.c.(5)(a) through (c)** of this section for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR 63.11517(c), “Monitoring requirements.” (40 CFR 63.11519(b)(6))
 - (a) The date of every visual determination of emissions opacity; (40 CFR 63.11519(b)(6)(i))
 - (b) The average of the six-minute opacities measured by the test; and (40 CFR 63.11519(b)(6)(ii))
 - (c) A description of any corrective action taken subsequent to the test. (40 CFR 63.11519(b)(6)(iii))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - c. Reporting Requirements (40 CFR 63.11519(b)) (continued)
 - (6) *Exceedances of 20 percent opacity for welding affected sources.* As required by 40 CFR 63.11516(f)(7)(i), “Requirements for opacities exceeding 20 percent,” the Permittee must prepare an exceedance report whenever the average of the six-minute average opacities recorded during a visual determination of emissions opacity exceeds 20 percent. This report must be submitted along with the Permittee’s annual certification and compliance report according to the requirements in **E.5.c.(1)** of this section and must contain the information in **E.5.c.(6)(a) and (b)** of this section. (40 CFR 63.11519(b)(8))
 - (a) The date on which the exceedance occurred; and (40 CFR 63.11519(b)(8)(A))
 - (b) The average of the six-minute average opacities recorded during the visual determination of emissions opacity. (40 CFR 63.11519(b)(8)(B))
 - (7) *Site-specific Welding Emissions Management Plan reporting.* The Permittee must submit a copy of the records of daily visual determinations of emissions recorded in accordance with 40 CFR 63.11516(f)(7)(iv), “Tier 3 requirements for opacities exceeding 20 percent,” and a copy of the Permittee’s Site-Specific Welding Emissions Management Plan and any subsequent revisions to the plan pursuant to 40 CFR 63.11516(f)(8), “Site-specific Welding Emission Management Plan,” along with the Permittee’s annual certification and compliance report, according to the requirements in **E.5.c.(1)** of this section. (40 CFR 63.11519(b)(9))
 - d. Recordkeeping Requirements (40 CFR 63.11519(c))
 - (1) *General compliance and applicability records.* Maintain information specified in **E.5.d.(1)(a) and (b)** of this section for each affected source. (40 CFR 63.11519(c)(1))
 - (a) Each notification and report that the Permittee submitted to comply with this subpart, and the documentation supporting each notification and report. (40 CFR 63.11519(c)(1)(i))
 - (b) Records of the applicability determinations as in 40 CFR 63.11514(b)(1) through (5), “Am I subject to this subpart,” listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time. (40 CFR 63.11519(c)(1)(ii))
 - (2) *Visual determination of fugitive emissions records.* Maintain a record of the information specified in **E.5.d.(2)(a) through (c)** of this section for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring requirements.” (40 CFR 63.11519(c)(2))
 - (a) The date and results of every visual determination of fugitive emissions; (40 CFR 63.11519(c)(2)(i))
 - (b) A description of any corrective action taken subsequent to the test; and (40 CFR 63.11519(c)(2)(ii))
 - (c) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions. (40 CFR 63.11519(c)(2)(iii))
 - (3) *Visual determination of emissions opacity records.* Maintain a record of the information specified in **E.5.d.(3)(a) through (c)** of this section for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR 63.11517(c), “Monitoring requirements.” (40 CFR 63.11519(c)(3))
 - (a) The date of every visual determination of emissions opacity; and (40 CFR 63.11519(c)(3)(i))
 - (b) The average of the six-minute opacities measured by the test; and (40 CFR 63.11519(c)(3)(ii))
 - (c) A description of any corrective action taken subsequent to the test. (40 CFR 63.11519(c)(3)(iii))
 - (4) Maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR 63.11516, “What are my standards and management practices?” (40 CFR 63.11519(c)(4))



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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.006 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - d. Recordkeeping Requirements (40 CFR 63.11519(c)) (continued)
 - (5) *Visual determination of emissions opacity performed during the preparation (or revision) of the Site-Specific Welding Emissions Management Plan.* The Permittee must maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan, in accordance with 40 CFR 63.11516(f)(7)(iii), “Requirements for opacities exceeding 20 percent.” (40 CFR 63.11519(c)(11))
 - (6) *Site-Specific Welding Emissions Management Plan.* If the Permittee has been required to prepare a plan in accordance with 40 CFR 63.11516(f)(7)(iii), “Site-Specific Welding Emissions Management Plan,” the Permittee must maintain a copy of the Permittee’s current Site-Specific Welding Emissions Management Plan in the Permittee’s records and it must be readily available for inspector review. (40 CFR 63.11519(c)(12))
 - (7) *Manufacturer’s instructions.* If the Permittee complies with this subpart by operating any equipment according to manufacturer’s instruction, the Permittee must keep these instructions readily available for inspector review. (40 CFR 63.11519(c)(13))
 - (8) *Welding Rod usage.* If the Permittee operates a new or existing welding affected source which is not required to comply with the requirements of 40 CFR 63.11516(f)(3) through (8) because it uses less than 2,000 pounds per year of welding rod (on a rolling 12-month basis), the Permittee must maintain records demonstrating the Permittee’s welding rod usage on a rolling 12-month basis. (40 CFR 63.11519(c)(14))
 - (9) The Permittee’s records must be maintained according to the requirements in **E.5.d.(9)(a) through (c)** of this section. (40 CFR 63.11519(c)(15))
 - (a) The Permittee’s records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1), “General Provisions.” Where appropriate, the records may be maintained as electronic spreadsheets or as a database. (40 CFR 63.11519(c)(15)(i))
 - (b) As specified in 40 CFR 63.10(b)(1), “General Provisions,” the Permittee must keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record. (40 CFR 63.11519(c)(15)(ii))
 - (c) The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record according to 40 CFR 63.10(b)(1), “General Provisions.” The Permittee may keep the records off-site for the remaining 3 years. (40 CFR 63.11519(c)(15)(iii))
 - e. The terms used in 40 CFR 63 Subpart XXXXXX are defined in 40 CFR 63.11522.



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Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.001

System 06 – Fire Pump		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.001	225 HP John Deere Emergency Diesel Fire Pump (Model #: JU6H, Year: 2010)	4,374,786	335,154

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.001** has no add-on controls.
 - b. Descriptive Stack Parameters
 Stack Height: 6.5 feet
 Stack Inside diameter: 0.42 feet
 Stack Temperature: 942° F

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.001** may consume only **diesel**.
 - b. The maximum allowable fuel consumption rate for **S2.001** shall not exceed **12.7 gallons** per any one-hour period.
 - c. Hours
 - (1) **S2.001** may operate a total of **24 hours** per day.
 - (2) **S2.001** may operate a maximum of **100 hours** per year of non-emergency use. There is no time limit on operation in emergency situations.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.001** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.074 pound per hour**, nor more than **0.0037 ton per year**.
 - b. The discharge of **PM₁₀** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.074 pound per hour**, nor more than **0.0037 ton 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 **0.074 pound per hour**, nor more than **0.0037 ton per year**.
 - d. The discharge of **SO₂** (sulfur dioxide) to the atmosphere shall not exceed **0.52 pound per hour**, nor more than **0.026 ton per year**.
 - e. The discharge of **NO_x** (nitrogen oxides) to the atmosphere shall not exceed **1.49 pounds per hour**, nor more than **0.074 ton per year**.
 - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.69 pounds per hour**, nor more than **0.084 ton per year**.
 - g. The discharge of **VOC** (volatile organic compounds) to the atmosphere shall not exceed **0.64 pound per hour**, nor more than **0.032 ton per year**.
 - h. The opacity from **S2.001** shall not equal or exceed **20 percent**.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the total daily hours of operation for **S2.001** on a monthly basis. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
 - b. Monitor and record the consumption rate of **diesel** on a monthly basis for **S2.001** (in **gallons**).
 - c. Monitor and record the total yearly hours of operation of **S2.001** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.



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Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.001 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
 - a. Emissions Standards (40 CFR 60.4205)

The Permittee must comply with the emission standards in Table 4 of Subpart IIII for Stationary Fire Pump Engine with a displacement of less than 30 liters per cylinder, for all pollutants. (40 CFR 60.4205(c))

 - (1) For a 2009 model year and later stationary fire pump engine with a rated power greater than or equal to 130 kW (175 hp) and less than 225 kW (300 hp): (40 CFR 60.4202(c), Table 4)
 - (a) The discharge of PM to the atmosphere shall not exceed **0.20** grams/kW-hr (**0.074** pound per hour).
 - (b) The discharge of NMHC (non-methane hydrocarbon) + NO_x to the atmosphere shall not exceed **4.0** gram/kW-hr (**1.48** pounds per hour).
 - b. Fuel Requirements (40 CFR 60.4207)

The Permittee must meet the following diesel requirements for non-road engine: (40 CFR 60.4207(b), 40 CFR 80.510(b))

 - (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)

If the CI ICE does not meet the standards applicable to non-emergency engines, the Permittee must install a non-resettable hour meter prior to startup of the engine. (40 CFR 60.4209(a))
 - 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 89 as they apply to the Permittee. (40 CFR 60.4211(a))
 - (3) The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in **F.5.d.(5)** of this section. (40 CFR 60.4211(c))



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Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.001 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (continued)
 - d. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211) (continued)
 - (4) In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs **F.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee do not operate the engine according to the requirements in paragraphs **F.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 60.4211(f))
 - (a) There is no time limit on the use of emergency stationary ICE in emergency situations. (40 CFR 60.4211(f)(1))
 - (b) The Permittee may operate the Permittee’s emergency stationary ICE for any combination of the purposes specified in paragraphs **F.5.d.(4)(b)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph **F.5.d.(4)(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 60.4211(f)(2))
 - i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. (40 CFR 60.4211(f)(2)(i))
 - (c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph **F.5.d.(4)(b)** of this section. Except as provided in paragraph **F.5.d.(4)(c)** of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 60.4211(f)(3))
 - i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 60.4211(f)(3)(i)(A) through (E) are met. (40 CFR 60.4211(f)(3)(i))



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Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.001 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (continued)
 - d. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211) (continued)
 - (5) If the Permittee does not install, configure, operate, and maintain the Permittee's engine and control device according to the manufacturer's emission-related written instructions, or the Permittee change emission-related settings in a way that is not permitted by the manufacturer, the Permittee must demonstrate compliance as follows: (40 CFR 4211(g))
 - (a) For CI ICE greater than or equal to 100 HP and less than or equal to 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. (40 CFR 60.4211(g)(2))
 - e. The terms used in 40 CFR 60 Subpart IIII are defined in 40 CFR 60.4219
 - f. National Emission Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63, Subpart ZZZZ – Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:
If the compression ignition engine meets the requirements of 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))



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Section V. Specific Operating Conditions (continued)

G. Emission Unit PF1.010

System 07 – Gasoline Tank		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.010	500 Gallon Gasoline Tank	4,375,062	335,045

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.010** has no add-on controls.
 - b. Descriptive Tank Parameters
 Shell Diameter: 3.83 feet
 Shell Height: 6.17 feet
 Capacity: 500 Gallons

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.010** shall only be used to store **gasoline**.
 - b. The maximum allowable throughput rate for **PF1.010** shall not exceed **500** gallons per month, nor more than **1,600** gallons per year.
 - c. Hours
PF1.010 may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.010** the following pollutants in excess of the following specified limits:
 - a. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.087** ton(s) per year.
 - b. The opacity from **PF1.010** shall not equal or exceed **20** percent.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
 - a. Monitor and record the throughput of gasoline, in gallons, loaded into, or dispensed from, **PF1.010**, on a monthly basis, as determined from vendor invoices for tank loading or fuel pump non-resettable meter for tank dispensing.
 - b. Monitor and record the total yearly throughput rate, in gallons, per year. The annual throughput shall be determined at the end of each month as the sum of the monthly throughput rates for the year for all previous months of that year.

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities
 - a. Permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR 63.11115)



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Section V. Specific Operating Conditions (continued)

G. Emission Unit PF1.010 (continued)

- 5 Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement*)
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities (continued)
 - b. Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
 - (1) Minimize gasoline spills. (40 CFR 63.11116(a)(1)).
 - (2) Clean up spills as expeditiously as practicable. (40 CFR 63.11116(a)(2))
 - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use. (40 CFR 63.11116(a)(3)).
 - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. (40 CFR 63.11116(a)(4))
 - c. Permittee must have records available within 24 hours of a request by the Administrator to document the Permittee's gasoline throughput. (40 CFR 63.11116(b))
 - d. The terms used in 40 CFR 63 Subpart CCCCCC are defined in 40 CFR 63.11132.



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Section V. Specific Operating Conditions (continued)

H. Emission Units S2.002 and S2.003

System 08 – Wood Nailer Process		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002	Automated Jointer Machine	4,374,946	335,187
S2.003	Automated Jointer Machine	4,374,947	335,175

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Emissions from **S2.002** shall be controlled by a **vacuum drum collector** and will vent outside.
 - b. Emissions from **S2.003** shall be controlled by a **vacuum drum collector** and will vent indoors.
 - c. Descriptive Stack Parameters
 Stack Height: **8.6** feet
 Stack Temperature: **Ambient**
 Exhaust Flow: **3,800** actual standard cubic feet per minute (ascfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Throughput
 The maximum allowable throughput rate of **sawdust collected** from **the vacuum drum collectors controlling S2.002 and S2.003, combined**, shall not exceed **0.21 ton per 24-hour period**, nor more than **76.8 tons per calendar year**.
 - b. Hours
S2.002 and S2.003, each, may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.002 and S2.003, combined**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.63 pounds per 24-hour period**, or 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 **0.63 pounds per 24-hour period**, or more than **0.12 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 **0.63 pounds per 24-hour period**, or more than **0.12 tons per year**.
 - d. The opacity from **S2.002 and S2.003**, 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 weight of sawdust collected from **the vacuum drum collectors controlling S2.002 and S2.003, combined**, on a weekly basis.
 - b. Monitor and record the calendar days of operation for **S2.002 and S2.003, each**, on a weekly basis.
 - c. The corresponding daily throughput rate in tons per calendar day. The average daily throughput rate shall be determined from the total weekly throughput and the total weekly calendar days 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.



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Section V. Specific Operating Conditions (continued)

H. Emission Units S2.002 and S2.003 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement*) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
 - e. Conduct and record an observation of visible emissions (excluding water vapor) on the **vacuum drum collector** controlling **S2.002** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall take immediate corrective action. The Permittee shall maintain in a contemporaneous log with the following recordkeeping: the calendar date and time of any required monitoring, name of the observer, results of the monthly observation of visible emissions, and any corrective actions taken.
 - f. Inspect the **vacuum drum collectors** installed on **S2.002 and S2.003** on a monthly basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric) and any corrective actions taken.



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Section V. Specific Operating Conditions (continued)

I. Emission Units PF1.011, PF1.012, and PF1.017

System 09 – Wood Nailer Process		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.011	Angle Piercing (Plasma)	4,374,942	335,221
PF1.012	Angle Piercing (Plasma)	4,374,942	335,221
PF1.017	Angle Piercing (Plasma)	4,374,942	335,221

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.011, PF1.012, and PF1.017, each**, have no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Hours
PF1.011, PF1.012, and PF1.017, each, may operate **24 hours** per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.011, PF1.012, and PF1.017, each**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.29 pounds per hour**, or more than **1.25 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 **0.29 pounds per hour**, or more than **1.25 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 **0.29 pounds per hour**, or more than **1.25 tons per year**.
 - d. The discharge of **NO_x** (nitrogen oxides) to the atmosphere shall not exceed **1.02 pounds per hour**, nor more than **4.45 tons per year**.
 - e. The discharge of **NO₂** (nitrogen dioxide) to the atmosphere shall not exceed **0.13 pounds per hour**, nor more than **0.56 tons per year**.
 - f. The opacity from **PF1.011, PF1.012, and PF1.017, 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 calendar days of operation for **PF1.011, PF1.012, and PF1.017, each**, on a weekly basis.
 - b. Monitor and record the total yearly hours of operation of **PF1.011, PF1.012, and PF1.017, each**, per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.



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Section V. Specific Operating Conditions (continued)

J. Emission Unit PF1.014 and PF1.018

System 10 - Bridging Line Plasma Cutting		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.014	Plasma Cutting Station (13 x 8.75 x 9 feet)	4,374,925	335,215
PF1.018	Plasma Cutting Station	4,374,925	335,215

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Emissions from **PF1.014 and PF1.018, combined**, shall be controlled by a **dust collector**.
 - b. Descriptive Stack Parameters
 Stack Height: **9** feet
 Stack Temperature: **Ambient** °F
 Exhaust Flow: **6,000** dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Hours
PF1.014 and PF1.018, each, may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
 The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.014 and PF1.018, combined**, the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.057 pounds per hour**, or more than **0.25 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 **0.057 pounds per hour**, or 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 **0.057 pounds per hour**, or more than **0.25 tons per year**.
 - d. The discharge of **NO_x** (nitrogen oxides) to the atmosphere shall not exceed **2.03 pounds per hour**, nor more than **8.91 tons per year**.
 - e. The discharge of **NO₂** (nitrogen dioxide) to the atmosphere shall not exceed **0.25 pounds per hour**, nor more than **1.11 tons per year**.
 - f. The opacity from **PF1.014 and PF1.018, 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 calendar days of operation for **PF1.014 and PF1.018, each**, on a weekly basis.
 - b. Monitor and record the total yearly hours of operation of **PF1.014 and PF1.018, each**, per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.



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Section V. Specific Operating Conditions (continued)

K. Emission Unit PF1.015

System 11 - Maintenance Plasma Table		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.015	Plasma Table - Internal Maintenance Purposes	4,374,946	335,056

1. Air Pollution Control Equipment (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)
PF1.015 has no add-on controls.
2. Operating Parameters (NAC 445B.346(1)) (Federally Enforceable SIP Requirement)
 - a. Hours
 - (1) PF1.015 may operate 24 hours per day.
 - (2) PF1.015 may operate a total of 520 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 PF1.015 the following pollutants in excess of the following specified limits:
 - a. The discharge of PM (particulate matter) to the atmosphere shall not exceed 0.057 pounds per hour, or 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 0.057 pounds per hour, or more than 0.015 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 0.057 pounds per hour, or more than 0.015 tons per year.
 - d. The discharge of NO_x (nitrogen oxides) to the atmosphere shall not exceed 0.51 pounds per hour, nor more than 0.13 tons per year.
 - e. The discharge of NO₂ (nitrogen dioxide) to the atmosphere shall not exceed 0.13 pounds per hour, nor more than 0.033 tons per year.
 - f. The opacity from PF1.015 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 calendar days of operation for PF1.015 on a weekly basis.
 - b. Monitor and record the total yearly hours of operation of PF1.015 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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Section V. Specific Operating Conditions (continued)

L. Emission Unit PF1.016

System 12 - Maintenance Handheld Plasma Cutting		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.016	Handheld Plasma Cutting - Internal Maintenance Purposes	4,374,946	335,056

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
PF1.016 has no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Hours
 - (1) **PF1.016** may operate **24** hours per day.
 - (2) **PF1.016** may operate a total of **156** 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 **PF1.016** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.57 pounds per hour**, or 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 **0.57 pounds per hour**, or more than **0.045 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 **0.57 pounds per hour**, or more than **0.045 tons per year**.
 - d. The discharge of **NO_x** (nitrogen oxides) to the atmosphere shall not exceed **1.02 pounds per hour**, nor more than **0.079 tons per year**.
 - e. The discharge of **NO₂** (nitrogen dioxide) to the atmosphere shall not exceed **0.13 pounds per hour**, nor more than **0.010 tons per year**.
 - f. The opacity from **PF1.016** 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 calendar days of operation for **PF1.016** on a weekly basis.
 - b. Monitor and record the total yearly hours of operation of **PF1.016** 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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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019

System 13 – Automated Weldment Cell	Location UTM (Zone 11, NAD 83)	
	m North	m East
PF1.019 Automated Weldment Cell (22' x 14' x 12')	4,374,948	335,082

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **PF1.019** has no add-on controls.

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. Throughput
The maximum allowable throughput rate of **welding wire** for **PF1.019**, shall not exceed **0.010 tons** per any one-hour period averaged over a daily basis.
 - b. Hours
PF1.019 may operate **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **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 **0.099** pounds per hour, nor more than **0.43** 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 **0.099** pounds per hour, nor more than **0.43** 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 **0.099** pounds per hour, nor more than **0.43** tons per year.
 - d. The discharge of **HAPs** (hazardous air pollutants) to the atmosphere shall not exceed **0.027** tons per year.
 - e. 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 weekly basis.
 - b. Monitor and record the calendar days of operation for **PF1.019** on a weekly basis.
 - c. The corresponding daily throughput rate in tons per calendar day. The average daily throughput rate shall be determined from the total weekly throughput and the total weekly calendar days 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. Maintain current Material Safety Data Sheets or Technical Data Sheets for the welding wire that is used.



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories
 - a. Standards and Management Practices (40 CFR 63.11516)
 - (1) If the Permittee owns or operates a new or existing welding affected source, the Permittee must comply with the requirements in paragraphs **M.5.a.(1)(a) and (b)** of this section for each welding operation that uses materials that contain MFHAP, as defined in §63.11522, “What definitions apply to this subpart?”, or has the potential to emit MFHAP. If your welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), you must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in paragraphs **M.5.a.(2) through (7)** of this section. The requirements in paragraphs **M.5.a.(1) through (7)** of this section do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP. (40 CFR 63.11516(f))
 - (a) The Permittee must operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. The Permittee must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in 40 CFR 63.11519(c)(4), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(1))
 - (b) The Permittee must implement one or more of the management practices specified in **M.5.a.(1)(b)(i) through (v)** of this section to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment. (40 CFR 63.11516(f)(2))
 - (i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG)); (40 CFR 63.11516(f)(2)(i))
 - (ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates; (40 CFR 63.11516(f)(2)(ii))
 - (iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation; (40 CFR 63.11516(f)(2)(iii))
 - (iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and(40 CFR 63.11516(f)(2)(iv))
 - (v) Use a welding fume capture and control system, operated according to the manufacturer's specifications. (40 CFR 63.11516(f)(2)(v))
 - (2) *Tier 1 compliance requirements for welding.* The Permittee must perform visual determinations of welding fugitive emissions as specified in 40 CFR 63.11517(b), “Monitoring requirements,” at the primary vent, stack, exit, or opening from the building containing the welding operations. The Permittee must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in 40 CFR 63.11519(c)(2), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(3))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (3) *Requirements upon initial detection of visible emissions from welding.* If visible fugitive emissions are detected during any visual determination required in **M.5.a.(2)** of this section, the Permittee must comply with the requirements in **M.5.a.(3)(a) and (b)** of this section. (40 CFR 63.11516(f)(4)) (continued)
 - (a) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with **M.5.a.(1)(b)** of this section. After completing such corrective actions, the Permittee must perform a follow-up inspection for visible fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring Requirements,” at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(4)(i))
 - (b) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions and submit with the Permittee’s annual certification and compliance report as required by 40 CFR 63.11519(b)(5), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(4)(ii))
 - (4) *Tier 2 requirements upon subsequent detection of visible emissions.* If visible fugitive emissions are detected more than once during any consecutive 12 month period (notwithstanding the results of any follow-up inspections), the Permittee must comply with **M.5.a.(4)(a) through (d)** of this section. (40 CFR 63.11516(f)(5))
 - (a) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, the Permittee must conduct a visual determination of emissions opacity, as specified in 40 CFR 63.11517(c), “Monitoring requirements,” at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(5)(i))
 - (b) In lieu of the requirement of **M.5.a.(2)** of this section to perform visual determinations of fugitive emissions with EPA Method 22, the Permittee must perform visual determinations of emissions opacity in accordance with 40 CFR 63.11517(d), “Monitoring Requirements,” using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(5)(ii))
 - (c) The Permittee must keep a record of each visual determination of emissions opacity performed in accordance with **M.5.a.(4)(a) or (b)** of this section, along with any subsequent corrective action taken, in accordance with the requirements in 40 CFR 63.11519(c)(3), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(5)(iii))
 - (d) The Permittee must report the results of all visual determinations of emissions opacity performed in accordance with **M.5.a.(4)(a) or (b)** of this section, along with any subsequent corrective action taken, and submit with the Permittee’s annual certification and compliance report as required by 40 CFR 63.11519(b)(6), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(5)(iv))
 - (5) *Requirements for opacities less than or equal to 20 percent but greater than zero.* For each visual determination of emissions opacity performed in accordance with **M.5.a.(4)** of this section for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, the Permittee must perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with **M.5.a.(1)(b)** of this section. (40 CFR 63.11516(f)(6))



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Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (6) *Tier 3 requirements for opacities exceeding 20 percent.* For each visual determination of emissions opacity performed in accordance with **M.5.a.(4)** of this section for which the average of the six-minute average opacities recorded exceeds 20 percent, the Permittee must comply with the requirements in **M.5.a.(6)(a) through (e)** of this section. (40 CFR 63.11516(f)(7))
 - (a) The Permittee must submit a report of exceedance of 20 percent opacity, along with the Permittee’s annual certification and compliance report, as specified in 40 CFR 63.11519(b)(8), “Notification, recordkeeping, and reporting requirements,” and according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(i))
 - (b) Within 30 days of the opacity exceedance, the Permittee must prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in **M.5.a.(7)** of this section. If the Permittee has already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, the Permittee must prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days. (40 CFR 63.11516(f)(7)(ii))
 - (c) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, the Permittee must continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in 40 CFR 63.11517(d), “Monitoring Requirements,” using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations. (40 CFR 63.11516(f)(7)(iii))
 - (d) The Permittee must maintain records of daily visual determinations of emissions opacity performed in accordance with **M.5.a.(6)(c)** of this section, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in 40 CFR 63.11519(b)(9), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(iv))
 - (e) The Permittee must include these records in the Permittee’s annual certification and compliance report, according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(7)(v))
 - (7) *Site-Specific Welding Emissions Management Plan.* The Site-Specific Welding Emissions Management Plan must comply with the requirements in **M.5.a.(7)(a) through (c)** of this section. (40 CFR 63.11516(f)(8))
 - (a) Site-Specific Welding Emissions Management Plan must contain the information in **M.5.a.(7)(a)(i) through (vi)** of this section. (40 CFR 63.11516(f)(8)(i))
 - (i) Company name and address; (40 CFR 63.11516(f)(8)(i)(A))
 - (ii) A list and description of all welding operations which currently comprise the welding affected source; (40 CFR 63.11516(f)(8)(i)(B))
 - (iii) A description of all management practices and/or fume control methods in place at the time of the opacity exceedance; (40 CFR 63.11516(f)(8)(i)(C))
 - (iv) A list and description of all management practices and/or fume control methods currently employed for the welding affected source; (40 CFR 63.11516(f)(8)(i)(D))
 - (v) A description of additional management practices and/or fume control methods to be implemented pursuant to **M.5.a.(6)(b)** of this section, and the projected date of implementation; and (40 CFR 63.11516(f)(8)(i)(E))
 - (vi) Any revisions to a Site-Specific Welding Emissions Management Plan must contain copies of all previous plan entries, pursuant to **M.5.a.(7)(a)(iv) and (v)** of this section. (40 CFR 63.11516(f)(8)(i)(F))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - a. Standards and Management Practices (continued)
 - (7) *Site-Specific Welding Emissions Management Plan.* The Site-Specific Welding Emissions Management Plan must comply with the requirements in **M.5.a.(7)(a) through (c)** of this section. (40 CFR 63.11516(f)(8)) (continued)
 - (b) The Site-Specific Welding Emissions Management Plan must be updated annually to contain current information, as required by **M.5.a.(7)(a)(i) through (iii)** of this section, and submitted with the Permittee’s annual certification and compliance report, according to the requirements of 40 CFR 63.11519(b)(1), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(8)(ii))
 - (c) The Permittee must maintain a copy of the current Site-Specific Welding Emissions Management Plan in the Permittee’s records in a readily-accessible location for inspector review, in accordance with the requirements in 40 CFR 63.11519(c)(12), “Notification, recordkeeping, and reporting requirements.” (40 CFR 63.11516(f)(8)(iii))
 - b. Monitoring Requirements (40 CFR 63.11517)
 - (1) *Visual determination of fugitive emissions, general.* Visual determination of fugitive emissions must be performed according to the procedures of EPA Method 22, of 40 CFR part 60, Appendix A-7. The Permittee must conduct the EPA Method 22 test while the affected source is operating under normal conditions. The duration of each EPA Method 22 test must be at least 15 minutes, and visible emissions will be considered to be present if they are detected for more than six minutes of the fifteen minute period. (40 CFR 63.11517(a))
 - (2) *Visual determination of fugitive emissions, graduated schedule.* Visual determinations of fugitive emissions must be performed in accordance with **M.5.b.(1)** of this section and according to the schedule in **M.5.b.(2)(a) through (d)** of this section. (40 CFR 63.11517(b))
 - (a) *Daily Method 22 Testing.* Perform visual determination of fugitive emissions once per day, on each day the process is in operation, during operation of the process. (40 CFR 63.11517(b)(1))
 - (b) *Weekly Method 22 Testing.* If no visible fugitive emissions are detected in consecutive daily EPA Method 22 tests, performed in accordance with **M.5.b.(2)(a)** of this section for 10 days of work day operation of the process, the Permittee may decrease the frequency of EPA Method 22 testing to once every five days of operation of the process (one calendar week). If visible fugitive emissions are detected during these tests, the Permittee must resume EPA Method 22 testing of that operation once per day during each day that the process is in operation, in accordance with **M.5.b.(2)(a)** of this section. (40 CFR 63.11517(b)(2))
 - (c) *Monthly Method 22 Testing.* If no visible fugitive emissions are detected in four consecutive weekly EPA Method 22 tests performed in accordance with **M.5.b.(2)(b)** of this section, the Permittee may decrease the frequency of EPA Method 22 testing to once per 21 days of operation of the process (one calendar month). If visible fugitive emissions are detected during these tests, the Permittee must resume weekly EPA Method 22 in accordance with **M.5.b.(2)(b)** of this section. (40 CFR 63.11517(b)(3))
 - (d) *Quarterly Method 22 Testing.* If no visible fugitive emissions are detected in three consecutive monthly EPA Method 22 tests performed in accordance with **M.5.b.(2)(c)** of this section, the Permittee may decrease the frequency of EPA Method 22 testing to once per 60 days of operation of the process (3 calendar months). If visible fugitive emissions are detected during these tests, the Permittee must resume monthly EPA Method 22 in accordance with **M.5.b.(2)(c)** of this section. (40 CFR 63.11517(b)(4))
 - (3) *Visual determination of emissions opacity for welding Tier 2 or 3, general.* Visual determination of emissions opacity must be performed in accordance with the procedures of EPA Method 9, of 40 CFR part 60, Appendix A-4, and while the affected source is operating under normal conditions. The duration of the EPA Method 9 test shall be thirty minutes. (40 CFR 63.11517(c))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - b. Monitoring Requirements (40 CFR 63.11517) (continued)
 - (4) *Visual determination of emissions opacity for welding Tier 2 or 3, graduated schedule.* The Permittee must perform visual determination of emissions opacity in accordance with **M.5.b.(3)** of this section and according to the schedule in **M.5.b.(4)(a) through (e)** of this section. (40 CFR 63.11517(d))
 - (a) Daily Method 9 testing for welding, Tier 2 or 3. Perform visual determination of emissions opacity once per day during each day that the process is in operation. (40 CFR 63.11517(d)(1))
 - (b) Weekly Method 9 testing for welding, Tier 2 or 3. If the average of the six minute opacities recorded during any of the daily consecutive EPA Method 9 tests performed in accordance with **M.5.b.(4)(a)** of this section does not exceed 20 percent for 10 days of operation of the process, the Permittee may decrease the frequency of EPA Method 9 testing to once per five days of consecutive work day operation. If opacity greater than 20 percent is detected during any of these tests, the Permittee must resume testing every day of operation of the process according to the requirements of **M.5.b.(4)(a)** of this section. (40 CFR 63.11517(d)(2))
 - (c) Monthly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with **M.5.b.(4)(b)** of this section does not exceed 20 percent for four consecutive weekly tests, the Permittee may decrease the frequency of EPA Method 9 testing to once per every 21 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any monthly test, the Permittee must resume testing every five days of operation of the process according to the requirements of **M.5.b.(4)(b)** of this section. (40 CFR 63.11517(d)(3))
 - (d) Quarterly Method 9 testing for welding Tier 2 or 3. If the average of the six minute opacities recorded during any of the consecutive weekly EPA Method 9 tests performed in accordance with **M.5.b.(4)(c)** of this section does not exceed 20 percent for three consecutive monthly tests, the Permittee may decrease the frequency of EPA Method 9 testing to once per every 120 days of operation of the process. If visible emissions opacity greater than 20 percent is detected during any quarterly test, the Permittee must resume testing every 21 days (month) of operation of the process according to the requirements of **M.5.b.(4)(c)** of this section. (40 CFR 63.11517(d)(4))
 - (e) Return to Method 22 testing for welding, Tier 2 or 3. If, after two consecutive months of testing, the average of the six minute opacities recorded during any of the monthly EPA Method 9 tests performed in accordance with **M.5.b.(4)(c)** of this section does not exceed 20 percent, the Permittee may resume EPA Method 22 testing as in **M.5.b.(4)(c) and (d)** of this section. In lieu of this, the Permittee may elect to continue performing EPA Method 9 tests in accordance with **M.5.b.(4)(c) and (d)** of this section. (40 CFR 63.11517(d)(5))
 - c. Reporting Requirements (40 CFR 63.11519(b))
 - (1) *Annual certification and compliance reports.* The Permittee must prepare and submit annual certification and compliance reports for each affected source according to the requirements of **M.5.c.(2) through (7)** of this section. The annual certification and compliance reporting requirements may be satisfied by reports required under other parts of the CAA, as specified in 40 CFR 63.11519(b)(3). (40 CFR 63.11519(b)(1))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - c. Reporting Requirements (40 CFR 63.11519(b)) (continued)
 - (2) *Dates.* Unless the Administrator has approved or agreed to a different schedule for submission of reports under 40 CFR 63.10(a), “General Provisions,” the Permittee must prepare and submit each annual certification and compliance report according to the dates specified in **M.5.c.(2)(a) through (c)** of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. (40 CFR 63.11519(b)(2))
 - (a) The first annual certification and compliance report must cover the first annual reporting period which begins the day after the compliance date and ends on December 31. (40 CFR 63.11519(b)(2)(i))
 - (b) Each subsequent annual certification and compliance report must cover the subsequent semiannual reporting period from January 1 through December 31. (40 CFR 63.11519(b)(2)(ii))
 - (c) Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31. (40 CFR 63.11519(b)(2)(iii))
 - (3) *General requirements.* The annual certification and compliance report must contain the information specified in **M.5.c.(3)(a) through (c)** of this section, and the information specified in **M.5.c.(4) through (5)** of this section that is applicable to each affected source. (40 CFR 63.11519(b)(4))
 - (a) Company name and address; (40 CFR 63.11519(b)(4)(i))
 - (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report; and (40 CFR 63.11519(b)(4)(ii))
 - (c) Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. (40 CFR 63.11519(b)(4)(iii))
 - (4) *Visual determination of fugitive emissions requirements.* The annual certification and compliance report must contain the information specified in **M.5.c.(4)(a) through (c)** of this section for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring requirements.” (40 CFR 63.11519(b)(5))
 - (a) The date of every visual determination of fugitive emissions which resulted in detection of visible emissions; (40 CFR 63.11519(b)(5)(i))
 - (b) A description of the corrective actions taken subsequent to the test; and (40 CFR 63.11519(b)(5)(ii))
 - (c) The date and results of the follow-up visual determination of fugitive emissions performed after the corrective actions. (40 CFR 63.11519(b)(5)(ii))
 - (5) *Visual determination of emissions opacity requirements.* The annual certification and compliance report must contain the information specified in **M.5.c.(5)(a) through (c)** of this section for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR 63.11517(c), “Monitoring requirements.” (40 CFR 63.11519(b)(6))
 - (a) The date of every visual determination of emissions opacity; (40 CFR 63.11519(b)(6)(i))
 - (b) The average of the six-minute opacities measured by the test; and (40 CFR 63.11519(b)(6)(ii))
 - (c) A description of any corrective action taken subsequent to the test. (40 CFR 63.11519(b)(6)(iii))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - c. Reporting Requirements (40 CFR 63.11519(b)) (continued)
 - (6) *Exceedances of 20 percent opacity for welding affected sources.* As required by 40 CFR 63.11516(f)(7)(i), “Requirements for opacities exceeding 20 percent,” the Permittee must prepare an exceedance report whenever the average of the six-minute average opacities recorded during a visual determination of emissions opacity exceeds 20 percent. This report must be submitted along with the Permittee’s annual certification and compliance report according to the requirements in **M.5.c.(1)** of this section and must contain the information in **M.5.c.(6)(a) and (b)** of this section. (40 CFR 63.11519(b)(8))
 - (a) The date on which the exceedance occurred; and (40 CFR 63.11519(b)(8)(A))
 - (b) The average of the six-minute average opacities recorded during the visual determination of emissions opacity. (40 CFR 63.11519(b)(8)(B))
 - (7) *Site-specific Welding Emissions Management Plan reporting.* The Permittee must submit a copy of the records of daily visual determinations of emissions recorded in accordance with 40 CFR 63.11516(f)(7)(iv), “Tier 3 requirements for opacities exceeding 20 percent,” and a copy of the Permittee’s Site-Specific Welding Emissions Management Plan and any subsequent revisions to the plan pursuant to 40 CFR 63.11516(f)(8), “Site-specific Welding Emission Management Plan,” along with the Permittee’s annual certification and compliance report, according to the requirements in **M.5.c.(1)** of this section. (40 CFR 63.11519(b)(9))
 - d. Recordkeeping Requirements (40 CFR 63.11519(c))
 - (1) *General compliance and applicability records.* Maintain information specified in **M.5.d.(1)(a) and (b)** of this section for each affected source. (40 CFR 63.11519(c)(1))
 - (a) Each notification and report that the Permittee submitted to comply with this subpart, and the documentation supporting each notification and report. (40 CFR 63.11519(c)(1)(i))
 - (b) Records of the applicability determinations as in 40 CFR 63.11514(b)(1) through (5), “Am I subject to this subpart,” listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time. (40 CFR 63.11519(c)(1)(ii))
 - (2) *Visual determination of fugitive emissions records.* Maintain a record of the information specified in **M.5.d.(2)(a) through (c)** of this section for each affected source which performs visual determination of fugitive emissions in accordance with 40 CFR 63.11517(a), “Monitoring requirements.” (40 CFR 63.11519(c)(2))
 - (a) The date and results of every visual determination of fugitive emissions; (40 CFR 63.11519(c)(2)(i))
 - (b) A description of any corrective action taken subsequent to the test; and (40 CFR 63.11519(c)(2)(ii))
 - (c) The date and results of any follow-up visual determination of fugitive emissions performed after the corrective actions. (40 CFR 63.11519(c)(2)(iii))
 - (3) *Visual determination of emissions opacity records.* Maintain a record of the information specified in **M.5.d.(3)(a) through (c)** of this section for each affected source which performs visual determination of emissions opacity in accordance with 40 CFR 63.11517(c), “Monitoring requirements.” (40 CFR 63.11519(c)(3))
 - (a) The date of every visual determination of emissions opacity; and (40 CFR 63.11519(c)(3)(i))
 - (b) The average of the six-minute opacities measured by the test; and (40 CFR 63.11519(c)(3)(ii))
 - (c) A description of any corrective action taken subsequent to the test. (40 CFR 63.11519(c)(3)(iii))
 - (4) Maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR 63.11516, “What are my standards and management practices?” (40 CFR 63.11519(c)(4))



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Section V. Specific Operating Conditions (continued)

M. Emission Unit PF1.019 (continued)

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (Federally Enforceable SIP Requirement)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart XXXXXX – Nine Metal Fabrication and Finishing Area Source Categories (continued)
 - d. Recordkeeping Requirements (40 CFR 63.11519(c)) (continued)
 - (5) *Visual determination of emissions opacity performed during the preparation (or revision) of the Site-Specific Welding Emissions Management Plan.* The Permittee must maintain a record of each visual determination of emissions opacity performed during the preparation (or revision) of a Site-Specific Welding Emissions Management Plan, in accordance with 40 CFR 63.11516(f)(7)(iii), “Requirements for opacities exceeding 20 percent.” (40 CFR 63.11519(c)(11))
 - (6) *Site-Specific Welding Emissions Management Plan.* If the Permittee has been required to prepare a plan in accordance with 40 CFR 63.11516(f)(7)(iii), “Site-Specific Welding Emissions Management Plan,” the Permittee must maintain a copy of the Permittee’s current Site-Specific Welding Emissions Management Plan in the Permittee’s records and it must be readily available for inspector review. (40 CFR 63.11519(c)(12))
 - (7) *Manufacturer’s instructions.* If the Permittee complies with this subpart by operating any equipment according to manufacturer’s instruction, the Permittee must keep these instructions readily available for inspector review. (40 CFR 63.11519(c)(13))
 - (8) *Welding Rod usage.* If the Permittee operates a new or existing welding affected source which is not required to comply with the requirements of 40 CFR 63.11516(f)(3) through (8) because it uses less than 2,000 pounds per year of welding rod (on a rolling 12-month basis), the Permittee must maintain records demonstrating the Permittee’s welding rod usage on a rolling 12-month basis. (40 CFR 63.11519(c)(14))
 - (9) The Permittee’s records must be maintained according to the requirements in **M.5.d.(9)(a) through (c)** of this section. (40 CFR 63.11519(c)(15))
 - (a) The Permittee’s records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1), “General Provisions.” Where appropriate, the records may be maintained as electronic spreadsheets or as a database. (40 CFR 63.11519(c)(15)(i))
 - (b) As specified in 40 CFR 63.10(b)(1), “General Provisions,” the Permittee must keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record. (40 CFR 63.11519(c)(15)(ii))
 - (c) The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record according to 40 CFR 63.10(b)(1), “General Provisions.” The Permittee may keep the records off-site for the remaining 3 years. (40 CFR 63.11519(c)(15)(iii))
 - e. The terms used in 40 CFR 63 Subpart XXXXXX are defined in 40 CFR 63.11522.



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Section V. Specific Operating Conditions (continued)

N. Emission Unit S2.005

System 14 – Emergency Generator		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.004	Removed		
S2.005	Emergency Generator (36 Hp/26 kw), Kohler, Model KG2204, Manufactured: 2022	4,374,890	335,038

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.005** has no add-on controls.
 - b. Descriptive Stack Parameters
Stack Temperature: 208.4 °F
Stack Volume: 70 DSCFM

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement*)
 - a. **S2.005** may consume only **natural gas**.
 - b. The maximum allowable fuel consumption rate for **S2.005** shall not exceed **301.0 standard cubic feet (scf)** per any one-hour period.
 - c. Hours
 - (1) **S2.005** may operate a total of **24** hours per day.
 - (2) **S2.005** may operate a maximum of **100** hours per year of non-emergency use. There is no time limit on operation in emergency situations.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B. 22017) (*Federally Enforceable SIP Requirement*)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.005** the following pollutants in excess of the following specified limits:
 - a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0030** pounds per hour, nor more than **0.00015** 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 **0.0029** pounds per hour, nor more than **0.00015** 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 **0.0029** pounds per hour, nor more than **0.00015** tons per year.
 - d. The discharge of **SO₂** (sulfur dioxide) to the atmosphere shall not exceed **0.00018** pounds per hour, nor more than **0.0000090** tons per year.
 - e. The discharge of **NO_x** (oxides of nitrogen) to the atmosphere shall not exceed **0.25** pounds per hour, nor more than **0.013** tons per year.
 - f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **4.29** pounds per hour, nor more than **0.21** tons per year.
 - g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.014** tons per year.
 - h. The opacity from **S2.005** shall not equal or exceed **20** percent.



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

N. Emission Unit S2.005 (continued)

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

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

- a. Monitor and record the total daily hours of operation for **S2.005** on a monthly basis. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
- b. Monitor and record the consumption rate of **pipeline natural gas** on a monthly basis for **S2.005** (in **scf**) by multiplying the maximum hourly fuel consumption rate as state in **N.2.b** of this section and the total daily hours of operation for the month.
- c. Monitor and record the total yearly hours of operation of **S2.005** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
- d. The Permittee, upon issuance of this operating permit, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252 (1)) (*Federally Enforceable SIP Requirement*)

New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

a. Emissions Standards (40 CFR 60.4233)

The Permittee must comply with the emission standards for new non-road SI (spark ignition) ICE (internal combustion engine) in 40 CFR 60.4233(d), for all pollutants, for the same model year and maximum engine power for their 2011 model year and later emergency stationary SI ICE (except for gasoline and rich burn engines that use LPG). (40 CFR 60.4233(d))

(1) For a 2009 model year and later emergency engine with a rate power of greater than 25 hp and less than 130 hp: (40 CFR 60.4233(d), Table 1)

- (a) The discharge of NO_x + HC to the atmosphere shall not exceed **10** grams/hp-hr (**0.79** pounds/hr).
- (b) The discharge of CO to the atmosphere shall not exceed **387** grams/hp-hr (**30.7** pounds/hr).

b. Monitoring, Operation and Maintenance Requirements (40 CFR 60.4237)

The Permittee must install a non-resettable hour meter if the SI ICE less than 130 hp does not meet the standards applicable to non-emergency engines. (40 CFR 60.4237(c))

c. Compliance Requirements (40 CFR 60.4234, 60.4243(d))

(1) The Permittee must operate and maintain the SI ICE over the entire life of the engine. (40 CFR 60.4234)



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Section V. Specific Operating Conditions (continued)

N. Emission Unit S2.005 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
 - c. Compliance Requirements (40 CFR 60.4234, 60.4243(d)) (continued)
 - (2) In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs **N.5.c.(2)(a) through (c)** of this section, is prohibited. If the Permittee do not operate the engine according to the requirements in paragraphs **N.5.c.(2)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 60.4243(d))
 - (a) There is no time limit on the use of emergency stationary ICE in emergency situations. (40 CFR 60.4243(d)(1))
 - (b) The Permittee may operate the emergency stationary ICE for any combination of the purposes specified in paragraphs **N.5.c.(2)(b)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph **N.5.c.(2)(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 60.4243(d)(2)).
 - i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. (40 CFR 60.4243(d)(1)(i))
 - (c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in nonemergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph **N.5.c.(2)** of this section. Except as provided in paragraph **N.5.c.(2)(c)(i)** of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 60.4243(d)(3)).
 - i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions of 40 CFR 60.4243(d)(3)(i)(A) through (E) are met. (40 CFR 60.4243(d)(3)(i))
 - (3) The permittee must demonstrate compliance with the emission standards specified in **N.5.a**, by purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of 40 CFR 60.4243. (40 CFR 60.4243(b)(1))
 - d. Air-to-Fuel Ratio (40 CFR 60.4243(g))

It is expected that air-to-fuel ratio controllers will be used with the operation of three way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. (40 CFR 60.4243(g))
 - e. Performance Testing (40 CFR 60.4243)

The Permittee of a stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of 40 CFR 60.4233. (40 CFR 60.4243(e))



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Section V. Specific Operating Conditions (continued)

N. Emission Unit S2.005 (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 JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (continued)
 - f. Notifications, Reports, and Records Requirement (40 CFR 60.4245)
 - (1) The Permittee must keep records of the following information: (40 CFR 60.4245(a))
 - (a) All notifications submitted to comply with this subpart and all documentation supporting any notification. (40 CFR 60.4245(a)(1))
 - (b) Maintenance conducted on the engine. (40 CFR 60.4245(a)(2))
 - (c) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR Parts 90, 1048, 1054, and 1060, as applicable. (40 CFR 60.4245(a)(3))
 - (d) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards. (40 CFR 60.4245(a)(4))
 - g. National Emission Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63, Subpart ZZZZ – Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:
If the spark ignition engine meets the requirements of 40 CFR Part 60 Subpart JJJJ, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))

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



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section VI. Emission Caps

A. Cap for Emission Units PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013

1. Emission Limits (NAC 445B.070) (*Federally Enforceable SIP Requirement*)

On and after the date of startup of the facility, Permittee shall not discharge or cause the discharge into the atmosphere from the facility emissions in excess of the following specified limits:

- a. The combined discharge of **VOCs** to the atmosphere from **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other VOC containing material for joist manufacturing shall not exceed **90 tons per year**, calculated on a 12-month calendar period.
- b. The combined discharge of a **single HAPs** to the atmosphere from **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material for joist manufacturing shall not exceed **8 tons per year**, calculated on a 12-month calendar period.
- c. The combined discharge of **combined HAPs** to the atmosphere from **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** and any other HAP containing material for joist manufacturing shall not exceed **21 tons per year**, calculated on a 12-month calendar period.
- d. The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

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

Permittee, upon issuance of this permit, shall:

- a. Monitor the annual VOC emissions from **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013, each.**

(1) The required monitoring established in **A.2.a.** of this section, will be maintained in a contemporaneous log containing, at minimum, the following:

- (a) The calendar date of any required monitoring.
- (b) The total gallons usage rate of each **paint/coating material and/or solvent** and any other VOC containing material in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013, each.** The usage rate shall be calculated as follows:
 - (1) The starting gallons of **paint/coating material and/or solvent** and any other **VOC** containing material contained in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be measured in inches using a measuring stake and recorded, in gallons, at the beginning of each month.
 - (2) The ending gallons of **paint/coating material and/or solvent** and any other **VOC** containing material contained in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be measured in inches using a measuring stake and recorded, in gallons, at the end of each month.
 - (3) The gallons of **paint/coating material and/or solvent** and any other **VOC** containing material added to **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be recorded when added each month and will be determined from purchase and invoice records. Copies of all purchase orders and invoices used to determine **paint/coating material and/or solvent** and any other **VOC** containing material monthly throughput must be maintained with the corresponding month's records.
 - (4) The total gallon usage of each **paint/coating material and/or solvent** and any other **VOC** containing material in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be determined from the beginning gallons recorded at the beginning of each month plus the gallons added each month, minus the ending gallons recorded at the end of each month

$$Total\ Gallons = Starting\ Gallons + Added\ Gallons - Ending\ Gallons$$

- (c) The VOC content in pounds VOC/gallon, of each paint/coating material, solvent, and any other VOC containing material for the corresponding material usage as identified in **A.2.a.(1)(b)** of this section as provided by the vendor for each **paint/coating material and/or solvent** and any other **VOC** containing material.
- (d) The combined total quantity of VOC emitted, at the end of each calendar month as determined from each monthly record. The resultant monthly totals will be added on a calendar monthly basis and compared against the annual emission limitation established in **A.1.a.** of this section.
- (e) These records shall list all paint/coating material and solvent and any other VOC containing material by manufacturer and product name.



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Section VI. Emission Caps (continued)

A. Cap for Emission Units PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013 (continued)

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

b. Monitor the annual HAP emissions from PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013, each.

(1) The required monitoring established in **A.2.b.** of this section, will be maintained in a contemporaneous log containing, at minimum, the following:

(a) The calendar date of any required monitoring.

(b) The total usage rate of each **paint/coating material and/or solvent** and any other HAP containing material in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013, each**. The usage rate shall be calculated as follows:

(1) The starting gallons of **paint/coating material and/or solvent** and any other **HAP** containing material contained in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be measured in inches using a measuring stake and recorded, in gallons, at the beginning of each month.

(2) The ending gallons of **paint/coating material and/or solvent** and any other **HAP** containing material contained in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be measured in inches using a measuring stake and recorded, in gallons, at the end of each month.

(3) The gallons of **paint/coating material and/or solvent** and any other **HAP** containing material added to **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be recorded when added each month and will be determined from purchase and invoice records. Copies of all purchase orders and invoices used to determine **paint/coating material and/or solvent** and any other **HAP** containing material monthly throughput must be maintained with the corresponding month's records.

(4) The total gallon usage of each **paint/coating material and/or solvent** and any other **HAP** containing material in **PF1.001, PF1.003, PF1.005, PF1.007, and PF1.013** will be determined from the beginning gallons recorded at the beginning of each month plus the gallons added each month, minus the ending gallons recorded at the end of each month

$$\text{Total Gallons} = \text{Starting Gallons} + \text{Added Gallons} - \text{Ending Gallons}$$

(c) The total HAP content in pounds HAP/gallon, of each paint/coating material, solvent, and any other HAP containing material for the corresponding material usage as identified in **A.2.b.(1)(b)** of this section as provided by the vendor for each **paint/coating material and/or solvent** and any other **HAP** containing material.

(d) The combined total quantity of each single HAP emitted, at the end of each calendar month as determined from each monthly record. The resultant monthly totals will be added on a rolling monthly basis and compared against the annual emission limitation established in **A.1.b.** of this section.

(e) The combined total quantity of HAP emitted, at the end of each calendar month as determined from each monthly record. The resultant monthly totals will be added on a rolling monthly basis and compared against the annual emission limitation established in **A.1.c.** of this section.

(f) These records shall list all paint/coating material and solvent and any other HAP containing material by manufacturer and product name.

c. The Permittee must maintain Safety Data Sheets (SDS) of all materials containing VOCs and HAPs.

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



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENIUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section VII. Surface Area Disturbance Conditions

The surface area disturbance for New Millennium Building Systems, LLC is 53 acres.

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

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

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



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Section VIII. Schedules of Compliance

A. Not Applicable

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



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CLASS II AIR QUALITY OPERATING PERMIT

Issued to: NEW MILLENIUUM BUILDING SYSTEMS, LLC – FALLON FACILITY (AS PERMITTEE)

Section IX. Amendments

This permit:

1. **Is non-transferable. An owner or operator may apply for an administrative amendment reflecting a change of ownership or the name of the stationary source for the effective time remaining on the original operating permit pursuant to NAC 445B.319 (NAC 4458.287.3) (Federally Enforceable SIP Requirement)**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5) (Federally Enforceable SIP Requirement)**
3. **Will expire and be subject to renewal five (5) years from: February 3, 2024 .**
(NAC 445B.315) (Federally Enforceable SIP Requirement)
4. **A completed application for renewal of an operating permit must be submitted to the Director on the form provided by him with the appropriate fee at least 70 calendar days before the expiration date of this operating permit. (NAC 445B.3473.2) (Federally Enforceable SIP Requirement)**
5. **Any person aggrieved by a final decision of the Department may, not later than 10 days after notice of the action of the Department, appeal the decision by filing a request for a hearing before the Commission on a form 3* with the State Environmental Commission, 901 South Stewart Street, Suite 4001, Carson City, Nevada 89701-5249. *(See adopting agency for form.) (NAC 445B.890) (State Only Requirement)**

THIS PERMIT EXPIRES ON: February 3, 2029

Signature: Electronic Copy

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

Phone: (775) 687- 9330 **Date:** TBD

Class II Insignificant Activities List
Appended to Permit #AP3441-2516.02

Emission Unit #	Insignificant Emission Unit Description
IA1.001	Fire Pump Diesel Fuel Tank, 300 gallon capacity
IA1.002	Facility Diesel Fuel Tank, 500 gallon capacity
IA1.003-IA1.020	Natural Gas Heaters, 18 @ 0.15 MMBtu/hr, each
IA1.021-IA1.043	Natural Gas Heaters, 23 @ 0.5 MMBtu/hr, each
IA1.044	Radial Saw Arm
IA1.045	Touch Up Spray – Aerosol Cans
IA1.046	Jointer Glue Process
IA1.047-IA1.049	Natural Gas Fired Make-Up Units 3 @ 3.90 MMBtu/hr, each
IA1.050	Touchup painting with airless spray gun
IA1.051	Maintenance parts washer- FOR MAINTENANCE PURPOSES