Nevada Department of Conservation and Natural Resources • Division of Environmental Protection

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. A0574 *Permit No.* AP7011-3688.02

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: HARRAH'S LAKE TAHOE HOTEL CASINO (HEREINAFTER REFERRED TO AS PERMITTEE)
Mailing Address: 18 HIGHWAY 50, STATELINE, NV 89449
Physical Address: 18 HIGHWAY 50, STATELINE, NV 89449
Driving Directions: HWY 50 AND STATELINE AVENUE, STATELINE, NEVADA
General Facility Location: SECTION 27, T 13N, R 18E, MDB&M
HA 90 - LAKE TAHOE BASIN / DOUGLAS COUNTY
NORTH 4,316,350 M, EAST 245,130 M, UTM ZONE 11, NAD 83

Emission Unit List:

A. System 1 - Boiler #1
S2.001 16.8 MMBtu Boiler (mfr: Cleaver-Brooks (1959), model CB160X-400, SN O-21101, natural gas)

B. System 2 - Boiler #2
S2.002 25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1961), model CB167X-600, SN L-25377, natural gas)

C. System 2A - Boiler #2 (Alternate Operating Scenario)
S2.002A 25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1961), model CB167X-600, SN L-25377, diesel fuel)

D. System 3 - Boiler #3
S2.003 25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1972), model CB200-600, SN L-94140, natural gas)

E. System 3A - Boiler #3 (Alternate Operating Scenario)
S2.003A 25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1972), model CB200-600, SN L-94140, diesel fuel)

F. System 4 - Boiler #4
S2.004 8.34 MMBtu Boiler (mfr: Cleaver-Brooks (2002), model CB17002001, SN L-94150, natural gas)

G. System 5A - Emergency Generators
S2.005 800 hp Emergency Diesel Fired Generator #1 (mfr: Detroit Diesel, model: 9123-7305 mfd: 1984)
S2.006 800 hp Emergency Diesel Fired Generator #2 (mfr: Detroit Diesel, model: 9123-7305 mfd: 1984)

H. System 5B - Emergency Generators
S2.007 1000 hp Emergency Diesel Fired Generator #3 (mfr: Detroit Diesel, model: 9123-7306, mfd: 1997)

I. System 6 - Emergency Fire Pump
S2.008 240 hp Emergency Fire Pump (mfr: Clarke, model: JU6HUF60, mfd: pre-2006)

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Emission Unit List (continued)

J. System 7 - Cooling Towers

S2.009	Cooling Tower - 1
S2.010	Cooling Tower - 2
S2.011	Cooling Tower - 3
S2.012	Cooling Tower - 4

K. System 8 – Gasoline Underground Storage Tank

S2.013	10,000-gallon Underground Storage Tank

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

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

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. 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.

E. 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.

F. 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.
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.

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section I. General Provisions (continued)

G. 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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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section I. General Provisions (continued)

G. 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.

H. 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.

I. 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.

J. 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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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section I. General Provisions (continued)

K. 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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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section I. General Provisions (continued)

L. 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.

M. Required contents of permit (NAC 445B.346) (*Federally Enforceable SIP Requirement)*

In addition to the conditions set forth in NAC 445B.315, Class II operating permits must contain, as applicable:

1. Emission limitations and standards, including those operational requirements and limitations that ensure compliance with the conditions of the operating permit.
2. All requirements for monitoring, testing and reporting that apply to the stationary source.
3. A requirement that the owner or operator of the stationary source promptly report any deviations from any requirements of the operating permit.
4. The terms and conditions for any reasonably anticipated alternative operating scenarios identified by the owner or operator of the stationary source in his or her application and approved by the Director. Such terms and conditions must require the owner or operator to keep a contemporaneous log of changes from one alternative operating scenario to another.
5. A schedule of compliance for stationary sources that are not in compliance with any applicable requirement or NAC 445B.001 to 445B.390, inclusive:
   a. Semiannual progress reports and a schedule of dates for achieving milestones;
   b. Prior notice of and explanations for missed deadlines; and
   c. Any preventive or corrective measures taken.

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

Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

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.F.**
E-mail notifications to: aircompliance@ndep.nv.gov

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

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

Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section III. General Construction Conditions

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

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

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

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

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Section IV. Specific Construction Requirements

A. Not Applicable

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

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section V. Specific Operating Conditions

A. Emission Unit S2.001

System 1 - Boiler #1		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.001	16.8 MMBtu Boiler (mfr: Cleaver-Brooks (1959), model CB160X-400, SN O-21101, natural gas)	4,316,349	245,182

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: 140.33 feet
      Stack Diameter: 3.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 3,401 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.001** may consume only **natural gas.**
   b. The maximum allowable fuel consumption rate for **S2.001** shall not exceed **16,470.6** scf of **natural gas** per any one-hour period.
   c. Hours
      (1) **S2.001** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.001** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.55** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.55** 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 **0.13** pounds per hour, nor more than **0.55** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.010** pounds per hour, nor more than **0.043** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.61** pounds per hour, nor more than **2.68** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.54** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.091** pounds per hour, nor more than **0.40** tons per year.
   h. The opacity from **S2.001** shall not equal or exceed **20** percent.

4. Monitoring and Recordkeeping (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.001** on a daily basis.
   b. Monitor and record the consumption rate of **natural gas** on a daily basis for **S2.001** (in **scf**) by multiplying the maximum hourly fuel consumption rate as stated in **A.2.b** of this section and the total daily hours of operation.

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

A. Emission Unit S2.001 (continued)

5. Performance Testing (NAC 445B.346(2))
The Permittee, upon issuance of this operating permit, shall conduct renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and/or performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H. Testing and Sampling (NAC 445B.252) of this operating permit. All performance test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   d. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   e. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.

6. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
   a. Reporting and Recordkeeping Requirements (40 CFR Part 60.48c)
      (1) The Permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include: (40 CFR Part 60.48c(a))
         (a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (40 CFR 60.48c(a)(1))
         (b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. (40 CFR 60.48c(a)(3))
      (2) Except as provided under 40 CFR 60.48(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (40 CFR Part 60.48c(g))
         (a) As an alternative to meeting the requirements of 40 CFR Part 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (40 CFR 60.48c(g)(2))
         (b) As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. (40 CFR Part 60.48c(g)(3))
      (3) All records required under 40 CFR Part 60.48c shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. (40 CFR Part 60.48c(i))
      (4) The reporting period for the reports required under 40 CFR Part 60, Subpart Dc, is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. (40 CFR Part 60.48c(j))

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Section V. Specific Operating Conditions (continued)

B. Emission Unit S2.002

System 2 - Boiler #2		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002	25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1961), model CB167X-600, SN L-25377, natural gas)	4,316,346	245,184

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.002** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 140.33 feet
      Stack Diameter: 3.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 5,111 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.002** may consume only **natural gas.**
   b. The maximum allowable fuel consumption rate for **S2.002** shall not exceed **24,705.9** scf of **natural gas** per any one-hour period.
   c. Hours
      (1) **S2.002** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.002** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** 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 **0.19** pounds per hour, nor more than **0.82** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.065** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.92** pounds per hour, nor more than **4.02** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.60** tons per year.
   h. The opacity from **S2.002** shall not equal or exceed **20** percent.

4. Monitoring and Recordkeeping (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.002** on a daily basis.
   b. Monitor and record the consumption rate of **natural gas** on a daily basis for **S2.002** (in **scf**) by multiplying the maximum hourly fuel consumption rate as stated in **B.2.b** of this section and the total daily hours of operation.

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Section V. Specific Operating Conditions (continued)

B. Emission Unit S2.002 (continued)

5. Performance Testing (NAC 445B.346(2))
The Permittee, upon issuance of this operating permit, shall conduct renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and/or performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H. Testing and Sampling (NAC 445B.252) of this operating permit. All performance test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   d. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   e. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.

6. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
   a. Reporting and Recordkeeping Requirements (40 CFR Part 60.48c)
      (1) The Permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include: (40 CFR Part 60.48c(a))
         (a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (40 CFR 60.48c(a)(1))
         (b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. (40 CFR 60.48c(a)(3))
      (2) Except as provided under 40 CFR 60.48(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (40 CFR Part 60.48c(g))
         (a) As an alternative to meeting the requirements of 40 CFR Part 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (40 CFR 60.48c(g)(2))
         (b) As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. (40 CFR Part 60.48c(g)(3))
      (3) All records required under 40 CFR Part 60.48c shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. (40 CFR Part 60.48c(i))
      (4) The reporting period for the reports required under 40 CFR Part 60, Subpart Dc, is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. (40 CFR Part 60.48c(j))

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Section V. Specific Operating Conditions (continued)

C. Emission Unit S2.002A

System 2A - Boiler #2 (Alternate Operating Scenario)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002A	25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1961), model CB167X-600, SN L-25377, diesel)	4,316,346	245,184

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.002A** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 140.33 feet
      Stack Diameter: 3.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 5,111 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.002A** may consume only **ultra-low sulfur diesel.**
   b. The maximum allowable fuel consumption rate for **S2.002A** shall not exceed **180.0 gallons** of **ultra-low sulfur diesel** per any one-hour period, nor more than **8,640.0 gallons** per year. **The sulfur content shall not exceed 0.0015 percent.**
   c. Hours
      (1) **S2.002A** may operate a total of **24** hours per day.
      (2) **S2.002A** may operate a total of **48** hours per year.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.002A** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.59** pounds per hour, nor more than **0.014** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.59** pounds per hour, nor more than **0.014** tons per year.
   c. discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.59** pounds per hour, nor more than **0.014** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **1.28** pounds per hour, nor more than **0.031** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **3.60** pounds per hour, nor more than **0.086** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.90** pounds per hour, nor more than **0.022** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.0024** tons per year.
   h. The opacity from **S2.002A** shall not equal or exceed **20** percent.

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Section V. Specific Operating Conditions (continued)

C. Emission Unit S2.002A (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.002A** on a daily basis.
   b. Monitor and record the consumption rate of **ultra-low sulfur diesel** on a daily basis for **S2.002A** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **C.2.b** of this section and the total daily hours of operation.
   c. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
   d. Monitor and record the total yearly hours of operation of **S2.002A** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
   e. Keep on site, and make available upon request, documentation demonstrating that the sulfur content of the **ultra-low sulfur diesel fuel consumed in S2.002A** shall **not exceed the limit set forth in C.2.b** of this section.

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 Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
   a. Reporting and Recordkeeping Requirements (40 CFR Part 60.48c)
      (1) The Permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include: (40 CFR Part 60.48c(a))
         (a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (40 CFR 60.48c(a)(1))
         (b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. (40 CFR 60.48c(a)(3))
      (2) Except as provided under 40 CFR 60.48(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (40 CFR Part 60.48c(g))
         (a) As an alternative to meeting the requirements of 40 CFR Part 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (40 CFR 60.48c(g)(2))
         (b) As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. (40 CFR Part 60.48c(g)(3))
      (3) All records required under 40 CFR Part 60.48c shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. (40 CFR Part 60.48c(i))
      (4) The reporting period for the reports required under 40 CFR Part 60, Subpart Dc, is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. (40 CFR Part 60.48c(j))

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Section V. Specific Operating Conditions (continued)

D. Emission Unit S2.003

System 3 - Boiler #3		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.003	25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1972), model CB200-600, SN L-94140, natural gas)	4,316,372	245,175

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.003** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 143.17 feet
      Stack Diameter: 2.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 5,111 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.003** may consume only **natural gas.**
   b. The maximum allowable fuel consumption rate for **S2.003** shall not exceed **24,705.9** scf of **natural gas** per any one-hour period.
   c. Hours
      (1) **S2.003** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.003** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** 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 **0.19** pounds per hour, nor more than **0.82** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.065** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.92** pounds per hour, nor more than **4.02** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.82** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.60** tons per year.
   h. The opacity from **S2.003** shall not equal or exceed **20** percent.

4. Monitoring and Recordkeeping (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.003** on a daily basis.
   b. Monitor and record the consumption rate of **natural gas** on a daily basis for **S2.003** (in **scf**) by multiplying the maximum hourly fuel consumption rate as stated in **D.2.b** of this section and the total daily hours of operation.

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Section V. Specific Operating Conditions (continued)

D. Emission Unit S2.003 (continued)

5. Performance Testing (NAC 445B.346(2))
The Permittee, upon issuance of this operating permit, shall conduct renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and/or performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H. Testing and Sampling (NAC 445B.252) of this operating permit. All performance test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   d. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   e. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.

6. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
   a. Reporting and Recordkeeping Requirements (40 CFR Part 60.48c)
      (1) The Permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include: (40 CFR Part 60.48c(a))
         (a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (40 CFR 60.48c(a)(1))
         (b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. (40 CFR 60.48c(a)(3))
      (2) Except as provided under 40 CFR 60.48(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (40 CFR Part 60.48c(g))
         (a) As an alternative to meeting the requirements of 40 CFR Part 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (40 CFR 60.48c(g)(2))
         (b) As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. (40 CFR Part 60.48c(g)(3))
      (3) All records required under 40 CFR Part 60.48c shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. (40 CFR Part 60.48c(i))
      (4) The reporting period for the reports required under 40 CFR Part 60, Subpart Dc, is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. (40 CFR Part 60.48c(j))

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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.003A

System 3A - Boiler #3A (Alternate Operating Scenario)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.003A	25.2 MMBtu Boiler (mfr: Cleaver-Brooks (1972), model CB200-600, SN L-94140, diesel)	4,316,372	245,175

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.003A** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 143.2 feet
      Stack Diameter: 2.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 5,111 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.003A** may consume only **ultra-low sulfur diesel.**
   b. The maximum allowable fuel consumption rate for **S2.003A** shall not exceed **180.0** gallons of **ultra-low sulfur diesel** per any one-hour period, nor more than **8,640.0 gallons** per year. **The sulfur content shall not exceed 0.0015 percent.**
   c. Hours
      (1) **S2.003A** may operate a total of **24** hours per day.
      (2) **S2.003A** may operate a total of **48** hours per year.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.003A** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.59** pounds per hour, nor more than **0.014** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.59** pounds per hour, nor more than **0.014** 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 **0.59** pounds per hour, nor more than **0.014** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **1.28** pounds per hour, nor more than **0.031** tons per year.
   e. The discharge of **NOx** (oxides of nitrogen) to the atmosphere shall not exceed **3.60** pounds per hour, nor more than **0.086** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.90** pounds per hour, nor more than **0.022** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.0024** tons per year.
   h. The opacity from **S2.003A** shall not equal or exceed **20** percent.

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Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.003A (continued)

4. Monitoring and Recordkeeping (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.003A** on a daily basis.
   b. Monitor and record the consumption rate of **ultra-low sulfur diesel** on a daily basis for **S2.003A** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **E.2.b** of this section and the total daily hours of operation.
   c. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
   d. Monitor and record the total yearly hours of operation of **S2.003A** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
   e. Keep on site, and make available upon request, documentation demonstrating that the sulfur content of the **ultra-low sulfur diesel consumed in S2.003A shall not exceed the limit set forth in E.2.b** of this section.

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 Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
   a. Reporting and Recordkeeping Requirements (40 CFR Part 60.48c)
      (1) The Permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include: (40 CFR Part 60.48c(a)
         (a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (40 CFR 60.48c(a)(1))
         (b) The annual capacity factor at which the permittee anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. (40 CFR 60.48c(a)(3))
      (2) Except as provided under 40 CFR 60.48(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (40 CFR Part 60.48c(g))
         (a) As an alternative to meeting the requirements of 40 CFR Part 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (40 CFR 60.48c(g)(2))
         (b) As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. (40 CFR Part 60.48c(g)(3))
      (3) All records required under 40 CFR Part 60.48c shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record. (40 CFR Part 60.48c(i))
      (4) The reporting period for the reports required under 40 CFR Part 60, Subpart Dc, is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period. (40 CFR Part 60.48c(j))

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Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.004

System 4 - Boiler #4		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.004	8.34 MMBtu Boiler (mfr: Cleaver-Brooks (2002), model CB17002001, SN L-94150, natural gas)	4,316,459	245,259

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.004** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 169.2 feet
      Stack Diameter: 2.0 feet
      Stack Temperature: 370°F
      Exhaust Flow: 1,698 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.004** may consume only **natural gas.**
   b. The maximum allowable fuel consumption rate for **S2.004** shall not exceed **8,176.5** scf of **natural gas** per any one-hour period.
   c. Hours
      (1) **S2.004** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.004** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.062** pounds per hour, nor more than **0.27** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.062** pounds per hour, nor more than **0.27** 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 **0.062** pounds per hour, nor more than **0.27 tons** per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.0049** pounds per hour, nor more than **0.021** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.82** pounds per hour, nor more than **3.58** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **3.01** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.045** pounds per hour, nor more than **0.20** tons per year.
   h. The opacity from **S2.004** shall not equal or exceed **20** percent.

4. Monitoring and Recordkeeping (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.004** on a daily basis.
   b. Monitor and record the consumption rate of **natural gas** on a daily basis for **S2.004** (in **scf**) by multiplying the maximum hourly fuel consumption rate as stated in **F.2.b** of this section and the total daily hours of operation.

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Section V. Specific Operating Conditions (continued)

G. Emission Units S2.005 and S2.006

System 5A - Emergency Generators		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.005	800 hp Emergency Diesel Fired Generator #1 (mfr: Detroit Diesel, model: 9123-7305 mfd: 1984)	4,316,313	245,224
S2.006	800 hp Emergency Diesel Fired Generator #2 (mfr: Detroit Diesel, model: 9123-7305 mfd: 1984)	4,316,316	245,277

1. Air Pollution Control Equipment (NAC 445B.346.1) (*Federally Enforceable SIP Requirement)*
   a. **S2.005 and S2.006, each,** have no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 12.0 feet
      Stack Diameter: 0.67 feet
      Stack Temperature: 750°F

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.005 and S2.006, each,** may consume only **ultra-low sulfur diesel**.
   b. The maximum allowable fuel consumption rate for **S2.005 and S2.006, each,** shall not exceed **40.0 gallons** per any one-hour period, nor more than **4,000.0 gallons** per year of non-emergency use.
   c. Hours
      (1) **S2.005 and S2.006, each,** may operate between the **daytime hours of 6:00 AM and 6:00 PM**. There is no time limit on operation in emergency situations.
      (2) **S2.005 and S2.006, each,** 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 and S2.006, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.56** pounds per hour, nor more than **0.028** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.56** pounds per hour, nor more than **0.028** tons per year.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.56** pounds per hour, nor more than **0.028** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.014** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **17.9** pounds per hour, nor more than **0.90** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **4.76** pounds per hour, nor more than **0.24** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **0.025** tons per year.
   h. The opacity from **S2.005 and S2.006, each,** shall not equal or exceed **20 percent**.

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Section V. Specific Operating Conditions (continued)

G. Emission Units S2.005 and S2.006 (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 times at which operations start and stop as well as the total daily hours of operation for **S2.005 and S2.006, each.** 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 **ultra-low sulfur diesel** on a daily basis for **S2.005 and S2.006, each,** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **G.2.b** of this section and the total daily hours of operation.
   c. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
   d. Monitor and record the total yearly hours of operation of **S2.005 and S2.006, 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.
   e. Keep on site, and make available upon request, documentation demonstrating the purchase and use of **ultra-low sulfur diesel** consumed for **S2.005 and S2.006**.

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. The emergency stationary RICE listed in 40 CFR 63.6585(f)(1) though (3) are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in 40 CFR 63.6675, which includes operating according to the provisions specified in 40 CFR 63.6640(f). (40 CFR 63.6585(f))
      (1) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in 40 CFR 63.6640(f)(4)(ii). (40 CFR 63.6585(f)(3))
   b. *Emergency stationary RICE* means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in 40 CFR 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in 40 CFR 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart. (40 CFR 63.6675 *Emergency stationary RICE*)
      (1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc. (40 CFR 63.6675 *Emergency stationary RICE*(1))
      (2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in 40 CFR 63.6640(f). 40 CFR 63.6675 *Emergency stationary RICE*(2))
      (3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in 40 CFR 63.6675(1) of this definition only as allowed in 40 CFR 63.6640(f)(2)(ii) or (iii) and 40 CFR 63.6640(f)(4)(i) or (ii). (40 CFR 63.6675 *Emergency stationary RICE*(3))

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Section V. Specific Operating Conditions (continued)

H. Emission Unit S2.007

System 5B - Emergency Generators		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.007	1000 hp Emergency Diesel Fired Generator #3 (mfr: Detroit Diesel, model: 9123-7306, mfd: 1997)	4,316,314	245,225

1. Air Pollution Control Equipment (NAC 445B.346.1) (*Federally Enforceable SIP Requirement)*
   a. **S2.007** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 12.0 feet
      Stack Diameter: 0.67 feet
      Stack Temperature: 800°F

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.007** may consume only **ultra-low sulfur diesel**.
   b. The maximum allowable fuel consumption rate for **S2.007** shall not exceed **50.0 gallons** per any one-hour period, nor more than **5,000.0 gallons** per year of non-emergency use.
   c. Hours
      (1) **S2.007** may operate between the **daytime hours of 6:00 AM and 6:00 PM**. There is no time limit on operation in emergency situations.
      (2) **S2.007** 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 **S2.007** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.70** pounds per hour, nor more than **0.035** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.70** pounds per hour, nor more than **0.035** 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 **0.70** pounds per hour, nor more than **0.035** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.35** pounds per hour, nor more than **0.018** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **22.4** pounds per hour, nor more than **1.12** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **5.95** pounds per hour, nor more than **0.30** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.63** pounds per hour, nor more than **0.032** tons per year.
   h. The opacity from **S2.007** shall not equal or exceed **20 percent**.

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Section V. Specific Operating Conditions (continued)

H. Emission Unit S2.007 (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 times at which operations start and stop as well as the total daily hours of operation for **S2.007**. 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 **ultra-low sulfur diesel** on a daily basis for **S2.007** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **H.2.b** of this section and the total daily hours of operation.
   c. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
   d. Monitor and record the total yearly hours of operation of **S2.007** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
   e. Keep on site, and make available upon request, documentation demonstrating the purchase and use of **ultra-low sulfur diesel** consumed for **S2.007**.

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. The emergency stationary RICE listed in 40 CFR 63.6585(f)(1) though (3) are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in 40 CFR 63.6675, which includes operating according to the provisions specified in 40 CFR 63.6640(f). (40 CFR 63.6585(f))
      (1) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in 40 CFR 63.6640(f)(4)(ii). (40 CFR 63.6585(f)(3))
   b. *Emergency stationary RICE* means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in 40 CFR 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in 40 CFR 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart. (40 CFR 63.6675 *Emergency stationary RICE*)
      (1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc. (40 CFR 63.6675 *Emergency stationary RICE*(1))
      (2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in 40 CFR 63.6640(f). 40 CFR 63.6675 *Emergency stationary RICE*(2))
      (3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in 40 CFR 63.6675(1) of this definition only as allowed in 40 CFR 63.6640(f)(2)(ii) or (iii) and 40 CFR 63.6640(f)(4)(i) or (ii). (40 CFR 63.6675 *Emergency stationary RICE*(3))

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

I. Emission Unit S2.008

System 6 - Emergency Fire Pump		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.008	240 hp Emergency Fire Pump (mfr: Clarke, model: JU6HUF60, mfd: pre-2006)	4,316,457	245,154

1. Air Pollution Control Equipment (NAC 445B.346.1) (*Federally Enforceable SIP Requirement)*
   a. **S2.008** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 30.0 feet
      Stack Diameter: 0.5 feet
      Stack Temperature: 909°F

2. Operating Parameters (NAC 445B.346.1) (*Federally Enforceable SIP Requirement)*
   a. **S2.008** may consume only **ultra-low sulfur diesel**.
   b. The maximum allowable fuel consumption rate for **S2.008** shall not exceed **12.0 gallons** per any one-hour period, nor more than **1,200.0 gallons** per year of non-emergency use.
   c. Hours
      (1) **S2.008** may operate between the **daytime hours of 6:00 AM and 6:00PM**. There is no time limit on operation in emergency situations.
      (2) **S2.008** may operate a total of **100** hours per year of non-emergency use. There is no time limit on operation in emergency situations.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.008** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.0058** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.0058** tons per year.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.0058** tons per year.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.49** pounds per hour, nor more than **0.024** tons per year.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.52** pounds per hour, nor more than **0.076** tons per year.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.31** pounds per hour, nor more than **0.016** tons per year.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.0058** tons per year.
   h. The opacity from **S2.008** shall not equal or exceed **20** percent.

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Section V. Specific Operating Conditions (continued)

I. Emission Unit S2.008 (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 times at which operations start and stop as well as the total daily hours of operation for **S2.008**. 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 **ultra-low sulfur diesel** on a daily basis for **S2.008** (in **gallons**) by multiplying the maximum hourly fuel consumption rate as stated in **I.2.b** of this section and the total daily hours of operation.
   c. Monitor and record the total yearly throughput rate in gallons per year. The annual throughput shall be determined as the sum of the monthly throughput rates for the year for all previous months of that year.
   d. Monitor and record the total yearly hours of operation of **S2.008** per year. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for all previous months of that year.
   e. Keep on site, and make available upon request, documentation demonstrating the purchase and use of **ultra-low sulfur diesel** consumed for **S2.008**.

5. Federal Requirements (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. The emergency stationary RICE listed in 40 CFR 63.6585(f)(1) though (3) are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in 40 CFR 63.6675, which includes operating according to the provisions specified in 40 CFR 63.6640(f). (40 CFR 63.6585(f))
      (1) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in 40 CFR 63.6640(f)(4)(ii). (40 CFR 63.6585(f)(3))
   b. *Emergency stationary RICE* means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in 40 CFR 63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in 40 CFR 63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart. (40 CFR 63.6675 *Emergency stationary RICE*)
      (1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc. (40 CFR 63.6675 *Emergency stationary RICE*(1))
      (2) The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in 40 CFR 63.6640(f). 40 CFR 63.6675 *Emergency stationary RICE*(2))
      (3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in 40 CFR 63.6675(1) of this definition only as allowed in 40 CFR 63.6640(f)(2)(ii) or (iii) and 40 CFR 63.6640(f)(4)(i) or (ii). (40 CFR 63.6675 *Emergency stationary RICE*(3))

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

J. Emission Units S2.009, S2.010, S2.011, and S2.012

System 7 - Cooling Towers		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.009	Cooling Tower - 1	4,316,379	245,203
S2.010	Cooling Tower - 2	4,316,378	245,203
S2.011	Cooling Tower - 3	4,316,376	245,202
S2.012	Cooling Tower - 4	4,316,372	245,193

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. Emissions from **S2.009, S2.010, S2.011, and S2.012, each,** shall be controlled by drift eliminators to reduce the cooling tower drift losses to the manufacturer's specification of **0.010%** or less.
   b. Descriptive Stack Parameters
   Stack Height: 26.0 feet
   Stack Diameter: 6.0 feet

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. The maximum circulating water flow rate for **S2.009, S2.010, S2.011, and S2.012, each,** will not exceed **1,400.0** gallons per minute.
   b. The maximum Total Dissolved Solids (TDS) content for **S2.009, S2.010, S2.011, and S2.012, each,** will not exceed **1,500** milligrams per liter (ppm).
   c. The use of chromium-based water treatment chemicals is prohibited.
   d. Hours
      (1) **S2.009, S2.010, S2.011, and S2.012, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.009, S2.010, S2.011, and S2.012, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.46** tons per year.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.46** tons per year.
   c. discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.10** pounds per hour, nor more than **0.46** tons per year.
   d. The opacity from **S2.009, S2.010, S2.011, and S2.012, 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 **volume flow rate** of circulating feed water (in gallons per minute) for **S2.009, S2.010, S2.011, and S2.012, each,** on a daily basis.
   b. Monitor and record the hours of operation for **S2.009, S2.010, S2.011, and S2.012, each,** on a daily basis.
   c. Sample the cooling tower water from **S2.009, S2.010, S2.011, and S2.012, each,** on a calendar quarterly basis for the TDS concentration in parts per million (ppm). The TDS shall be determined in accordance with **J.5.a.** of this section.

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Section V. Specific Operating Conditions (continued)

J. Emission Units S2.009, S2.010, S2.011, and S2.012 (continued)

5. Performance and Compliance Testing (NAC 445B.346(2), NAC 445B.252(1)) (*Federally Enforceable SIP Requirement)*
   a. The Permittee shall sample the cooling tower circulating feed water and determine the total dissolved solids (TDS, reported in mg per liter, or ppm by weight), on a quarterly basis. The TDS concentration will be determined using Standard Method 2540 C-2011 or ASTM Method D5907-13, or alternative methods approved in advance by the Director.

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Section V. Specific Operating Conditions (continued)

K. Emission Unit S2.013

System 8 – Gasoline Underground Storage Tank		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.013	10,000-gallon Underground Storage Tank	4,316,487	245,341

1. Air Pollution Control Equipment (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.013** shall be controlled by submerged fill.
   b. Descriptive Tank Parameters
      Shell Diameter: 8.0 feet
      Shell Height: 8.0 feet
      Capacity: 10,000 gallons

2. Operating Parameters (NAC 445B.346(1)) (*Federally Enforceable SIP Requirement)*
   a. **S2.013** shall only be used to store **gasoline**.
   b. The maximum allowable throughput rate for **S2.013** shall not exceed **9,999.9** gallons per month, nor more than **80,000.0** gallons per year.
   c. Hours
      S2.013 may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.346(1), NAC 445B.22017) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.013** the following pollutants in excess of the following specified limits:
   a. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.19** tons per year.
   b. The opacity from **S2.013** shall not equal or exceed **20** percent.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.346(2)) (*Federally Enforceable SIP Requirement)*
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput of gasoline, in gallons, loaded into, or dispensed from, **S2.013**, 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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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section V. Specific Operating Conditions (continued)

K. Emission Unit S2.013 (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

   b. Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
      (1) Minimize gasoline spills. (40 CFR 63.11116(a)(1)).
      (2) Clean up spills as expeditiously as practicable. (40 CFR 63.11116(a)(2))
      (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use. (40 CFR 63.11116(a)(3)).
      (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. (40 CFR 63.11116(a)(4))
   c. Permittee must have records available within 24 hours of a request by the Administrator to document your gasoline throughput. (40 CFR 63.11116(b))

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

Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section VI. Emission Caps

A. Not Applicable

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

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Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section VII. Surface Area Disturbance Conditions

The surface area disturbance for **Harrah's** is **<5** 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.

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

Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section VIII. Schedules of Compliance

A. Not Applicable

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

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Facility ID No. A0574 *Permit No.* AP7011-3688.02
CLASS II AIR QUALITY OPERATING PERMIT

Issued to: HARRAH'S LAKE TAHOE CASINO (AS PERMITTEE)

Section IX. Amendments

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This permit:

1. **Is non-transferable. (NAC 445B.287.3) (*Federally Enforceable SIP Requirement)***
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318.5) (*Federally Enforceable SIP Requirement)***
3. **Will expire and be subject to renewal five (5) years from: April 20, 2026 . (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: **April 20, 2031**

Signature: _____

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

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

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Class II Insignificant Activities List

Appended to Permit #AP**7011–3688.02**

Emission Unit #	Emission Unit Description
IA1.001	12,000 Gallon Diesel Tank (Dyed)
IA1.002	12,000 Gallon Diesel Tank (Dyed)
IA1.003	6,000 Gallon Diesel Tank #3
IA1.004	500 Gallon Diesel Tank (FP)

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