

**SECTION 122: REASONABLY AVAILABLE CONTROL TECHNOLOGY  
FOR MAJOR SOURCES IN HA 212**

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## **122.1**      **PURPOSE**

- (a) Section 122 establishes and implements Reasonably Available Control Technology (RACT) requirements for existing major stationary sources of nitrogen oxide (NO<sub>x</sub>) and/or volatile organic compounds (VOCs) as required by Section 182(b)(2) of the Clean Air Act (Act) under Title 42, Section 7511a of the U.S. Code (42 USC 7511a).

## **122.2**      **APPLICABILITY**

- (a) Section 122 applies to owners or operators that are:
- (1) Existing major sources for NO<sub>x</sub> and/or VOCs, as defined in Section 12.3.2;
  - (2) Located in Hydrographic Area (HA) 212 (the Las Vegas Valley); and
  - (3) Owning or operating one or more affected units identified in Attachment 1.
- (b) Compliance with Section 122 does not exempt a stationary source from any other control technology requirements, including any preconstruction review RACT requirements under Sections 12.1, “Permit Requirements for Minor Sources,” and 12.4, “Authority to Construct Application and Permit Requirements for Part 70 Sources,” as well as any CTG RACT requirements in other Clark County Air Quality Regulations (AQRs). This may result in multiple RACT requirements for an affected unit. Each RACT requirement remains an applicable requirement unless the owner or operator demonstrates that compliance with one RACT (usually the most stringent) requirement also assures compliance with one or more of the other RACT requirements for that affected unit under all scenarios (i.e., under all levels of operation, with all types of raw materials and/or fuels), and the Control Officer approves this demonstration using a Section 12.5 permitting procedure.

## **122.3**      **DEFINITIONS**

Unless the context requires otherwise, the following terms shall have the meanings set forth below for the purposes of this section. When a term is not defined, it shall have the meaning provided in Sections 0, 12.0–12.5, or 12.11 of the AQRs, Chapter 445B of the Nevada Revised Statutes (NRS), the Act, or common usage, in that order of priority.

“1-hour period” means a clock hour beginning at the top of the hour (e.g. 12:00:00 a.m.) and ending at the bottom of the hour (e.g. 12:59:59 a.m.).

“3-hour average” or “4-hour average” means the average of hourly average emissions (in the form of the standard) over three or four consecutive operating hours, or over three or

four 1-hour periods of a performance test. A 3-hour or 4-hour average can be “rolled hourly” or a “block average”: an “average rolled hourly” means that a new 3-hour or 4-hour average is computed at the end of each operating hour, while a “block average” means that a new average is computed at the end of three or four operating hours or the conclusion of three or four hours of performance testing (which may not be conducted over consecutive hours).

“Affected source” means a major stationary source required to comply with major source RACT for NO<sub>x</sub> and/or VOCs under Section 122.

“Affected unit” means any existing emission unit at an affected source, as defined in Section 122, to which major source RACT applies, as identified in Attachment 1.

For the purposes of Section 122, insignificant activities, as determined in Section 12.5, shall not be considered affected units. In addition, no activities with a potential to emit (PTE) more than 2 tons per year (tpy) of NO<sub>x</sub> or VOCs individually—with no threshold for a combination of pollutants—shall be eligible to be determined insignificant activities.

“Air pollution control technology” means a device, equipment, or technique that captures, removes, and/or prevents emissions of one or more air pollutants from an affected unit at a stationary source. Examples of air pollution control technologies include wet scrubbers, selective catalytic reduction (SCR), and carbon absorbers.

“Compliance certification” means a document required by Section 12.5.2.8(e) and submitted by a Responsible Official certifying compliance with the terms and conditions of an operating permit. It must include the identification of each permit term or condition the certification is based on, the method used for determining compliance, whether that method provided continuous data, any other material information, and compliance status. It must also identify each permit deviation during the certification period.

“Control Techniques Guidelines Reasonably Available Control Technology” (CTG RACT) means an AQR that implements RACT (including emissions limitations and, if applicable, work practice standards) for stationary sources in accordance with the CTGs issued by the Administrator under Section 108 of the Act (42 USC 7408), as required by Section 182(b)(2)(A) of the Act (42 USC 7511a).

“Emissions inventory report” means a report that includes the actual quantity of emissions from each permitted emission unit and the total calculated actual emissions from the entire major source for the reporting period, along with supporting calculations.

“Existing major stationary source” or “existing major source,” for the purposes of Section 122, means a stationary source that is defined in Section 12.3.2 as a major source for NO<sub>x</sub> and/or VOCs and began actual construction before January 21, 2025.

“Good combustion practices (GCP)” means operating an emission unit to maximize its energy output or thermal efficiency while maintaining optimized oxygen levels to assure complete combustion. GCP are documented in an operations and maintenance (O&M)

manual for the affected unit and associated air pollution control technology, and maintained at the major source.

“Good maintenance practices (GMP)” means maintenance of an emission unit in a manner that minimizes air pollution emissions. GMP are documented in an O&M manual for the affected unit and associated air pollution control technology, and maintained at the major source.

“Hours of operation” means all times of operation, including normal, startup, shutdown, excusable and inexcusable malfunctions, and testing/tuning of an affected unit.

“Injection timing retardation (ITR)” means changing the timing so that fuel ignition happens later to reduce the maximum combustion temperature and pressure, which decreases NO<sub>x</sub> formation.

“Major source RACT” means the RACT required by Section 182(b)(1)(A)(ii)(II) of the Act (42 USC 7511a) for existing major sources of NO<sub>x</sub> and/or VOCs in ozone nonattainment areas classified as moderate or higher. It differs from CTG RACT, which applies only to VOC emissions from emission units and activities for which the U.S. Environmental Protection Agency (EPA) has published a CTG. It also differs from RACT for preconstruction review for a new emission unit, which generally applies only to new sources and modifications to existing sources under Sections 12.1 and 12.4 of the AQRs.

“Operating hour” means a 1-hour period during which an affected unit operates, but does not include a 1-hour period during which the affected unit is in startup, shutdown, or testing/tuning (a maximum of 600 minutes can qualify as testing/tuning per calendar year) operations for any part of the 1-hour period.

“Operating and maintenance manual (O&M manual)” means a guidebook kept on-site by the source and regularly updated, as appropriate, that documents best practices (1) for operating and maintaining the affected unit and any associated air pollution control technology in a manner consistent with good engineering practices, and (2) for minimizing emissions, including GCP and GMP (e.g., addressing ammonia injection rates for emission units controlled by SCR). The owner or operator must consider manufacturers’ recommendations in developing an O&M manual, and justify and document alternatives to or deviations from these practices in the manual.

“Quality assurance/quality control (QA/QC) procedure” or “QA procedure” means a procedure that includes the continuous emission monitoring system (CEMS) description, calibration checks, preventative maintenance, data recording and calculations, accuracy audits, and a corrective action plan for malfunctions.

“Reasonably Available Control Technology (RACT)” means the lowest emissions limitation an affected unit is capable of meeting by applying control technology that is reasonably available, considering technological and economic feasibility.

“Relative Accuracy Test Audit (RATA)” means a test procedure consisting of at least nine test runs in which the accuracy of the concentrations measured by a CEMS is evaluated by comparison against concurrent measurements made with a reference method. Relative accuracy tests repeated on a regular, ongoing basis are also referred to as RATAs.

“Testing/tuning” means a planned operation outside normal emissions limitations for the purpose of data collection, diagnostics, or operational adjustment. Operations may qualify as testing/tuning for no more than 600 minutes in a calendar year per affected unit.

**122.4 ALL AFFECTED SOURCES: GENERAL INFORMATION, REQUIREMENTS, AND COMPLIANCE DATE**

**(a) General Information.**

- (1) Affected units subject to this section are identified by emission unit (EU) numbers and described in Attachment 1.
- (2) Affected sources subject to this section are identified by source identification (ID) number in Attachment 1 and other sections of this rule.

**(b) General Recordkeeping Requirements.**

- (1) Each owner or operator of an affected source shall maintain the following records:
  - (A) All submitted reports;
  - (B) All inspections, maintenance, and repairs of an affected unit and its associated air pollution control technology;
  - (C) Hours of operation of each affected unit and its associated air pollution control technology;
  - (D) Date, time and duration of operating hours, startup, shutdown, testing/tuning, and malfunction for each affected unit when required to determine compliance with a Section 122 emissions limitation;
  - (E) Monitoring data;
  - (F) An O&M manual for each affected unit and associated air pollution control technology that the owner or operator implements, maintains, and periodically updates as required by paragraph (d)(1)(B) of this section;
  - (G) Documentation of the implementation of best practices in accordance with the O&M manual; and

(H) Compliance status with all applicable Section 122 requirements.

(2) The owner or operator shall retain all records for a period of 5 years from their creation, and make records available and producible on-site to the Control Officer's authorized representative upon request and without prior notice during the owner or operator's hours of operation.

(c) **General Reporting Requirements.**

(1) The owner or operator shall comply with the following reporting requirements:

(A) Submit performance testing protocols at least 45 days before a scheduled performance test;

(B) Submit performance test reports within 60 days of the end of the performance test;

(C) Submit an annual emissions inventory report; and

(D) Submit an annual compliance certification.

(d) **Compliance Obligations and Compliance Date.**

(1) For each affected unit identified in Attachment 1, the owner or operator of the affected unit shall:

(A) Comply with all applicable requirements of Section 122 by **[insert rule effective date]**.

(B) Develop, maintain (periodically update), and operate the affected unit and any associated air pollution control technology in accordance with the O&M manual, including complying with GCP and GMP during all hours of operation.

(C) If a performance test is required, use a test method approved by the Administrator (e.g., Test Method 7a in 40 CFR Part 60, Appendix A-4) or specified in the affected source's Part 70 operating permit.

(D) If a RATA of CEMS is required, perform the RATA in accordance with the frequency and procedures in 40 CFR Part 60, Appendix F, and 40 CFR Part 75, or as specified in the affected source's Part 70 operating permit.

- (E) Except as provided in paragraphs (i) and (ii) of this section, before an affected source modifies or reconstructs an affected unit, or changes the designation of an emergency engine to a nonemergency engine, the owner or operator must submit a new or revised major source RACT demonstration that meets the requirements of Section 120.5 for the affected unit and must obtain a permit under Section 12 requiring compliance with the Control Officer's RACT determination unless the Control Officer agrees that such a determination does not change the level of emissions control already required by Section 122. The only exceptions are:
- (i) Any affected units that are, or will be (because of a modification or reconstruction), subject to a Lowest Achievable Emissions Rate for NO<sub>x</sub> and/or VOCs; or
  - (ii) Any affected unit that maintains a PTE for NO<sub>x</sub> and/or VOCs at or below 5 tpy.

**122.5 NEVADA ENERGY—CLARK GENERATING STATION (SOURCE ID: 00007)**

**122.5.1 RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

- (a) For Unit 4 (EU: A00704D):
- (1) Limit NO<sub>x</sub> emissions to 120 ppmvd or less, corrected to 15% O<sub>2</sub>, in a 3-hour period, calculated as a block average but not including 1-hour periods with startup, shutdown, or testing/tuning operations;
  - (2) Limit NO<sub>x</sub> emissions to 292 tpy or less in any consecutive 12-month period, calculated as a 12-month total rolled monthly that includes emissions from all hours of operation, or install, maintain and operate an air pollution control technology that meets the emissions limitations in paragraph (c) of this section as well as the associated monitoring, recordkeeping, and reporting requirements in Sections 122.5.2–3; and
  - (3) Limit VOC emissions to 21.6 lb/hr or less in a 3-hour period, calculated as a block average but not including 1-hour periods with startup, shutdown, or testing/tuning operations.

(b) For Units 5–8 (EUs: A00701A, A00702B, A00705, and A00708):

- (1) Limit NO<sub>x</sub> emissions to an average of 5 ppmvd or less, corrected to 15% O<sub>2</sub>, in any operating hour, not including 1-hour periods with startup, shutdown, testing/tuning operations, or as provided in paragraph (b)(2) of this section;
- (2) Limit NO<sub>x</sub> emissions to an average of 32 ppmvd or less, corrected to 15% O<sub>2</sub>, in an operating hour during load or mode changes due to activation of the automatic safety or equipment protections systems for up to ten 1-hour operating hours in a calendar year;
- (3) Limit NO<sub>x</sub> emissions to 360 tpy or less, computed as the collective total from the affected units (Units 5–8) in any consecutive 12-month period. Emissions shall be calculated as a 12-month total, rolled monthly, that includes all hours of operation of the affected units; and
- (4) Limit emissions to an average of 5.01 lb/hr of VOCs or less in any operating hour, not including 1-hour periods with startup, shutdown, or testing/tuning operations.

(c) For Units 11–22 (EUs: A27–A38):

- (1) Limit emissions to an average of 5 ppmvd of NO<sub>x</sub> or less, corrected to 15% O<sub>2</sub>, in any operating hour, not including any 1-hour periods with startup, shutdown, or testing/tuning operations;
- (2) Limit emissions to an average of 96 ppmvd of NO<sub>x</sub> or less, corrected to 15% O<sub>2</sub>, in any 4-hour period that includes one or more 1-hour periods with startup or shutdown operations, calculated as a 4-hour average rolled hourly; and
- (3) Limit emissions to 1.49 lb/hr of VOCs or less in a 3-hour period, calculated as a block average but not including 1-hour periods with startup, shutdown, or testing/tuning operations.

## 122.5.2 RACT Monitoring Requirements

(a) For Unit 4 (EU: A00704D):

- (1) Conduct a performance test to demonstrate compliance with the NO<sub>x</sub> and VOC emissions limitation in Sections 122.5.1(a)(1) and (a)(3) after submitting a performance testing protocol to the Control Officer for approval. The performance test must be performed no later than 180 days after the Administrator approves

these sections into the Nevada State Implementation Plan (SIP) at 40 CFR Part 52, Subpart DD. A previously conducted performance test may satisfy the requirements of paragraphs (b)(1) and (b)(3) of this section if resubmitted by the owner or operator and accepted by the Control Officer for the purpose of complying with these paragraphs.

- (2) Conduct a new performance test every 5 calendar years to demonstrate compliance with the NO<sub>x</sub> and VOC emission limitations in Sections 122.5.1(a)(1) and (a)(3), or use CEMS to monitor compliance and meet the requirements of paragraphs (b)(1)–(b)(4) of this section for the pollutant monitored.
  - (3) In the performance test report submitted to the Control Officer, identify one or more parameters to monitor, the appropriate parameter range, and emissions factors that the owner or operator will use to demonstrate continuous compliance with Sections 122.5.1(a)(1)–(a)(3) in the performance test report submitted to the Control Officer.
  - (4) Monitor NO<sub>x</sub> and VOC emissions using the parameters identified in paragraph (a)(3) of this section to demonstrate compliance with the concentration and mass emissions limitations in Section 122.5.1(a).
  - (5) At the end of each month, calculate a 12-month total NO<sub>x</sub> emissions (in tpy) for the preceding 12-month period.
- (b) For Units 5–8 (EUs: A00701A, A00702B, A00705, and A00708) and Units 11–22 (Peaker units, EUs: A27–A38):
- (1) Install, calibrate, maintain, operate, and certify CEMS for NO<sub>x</sub>;
  - (2) Require periodic audit procedures and QA/QC procedures for the CEMS;
  - (3) Conduct RATA of the NO<sub>x</sub> CEMS;
  - (4) Use an automated data acquisition and handling system to collect and store NO<sub>x</sub> CEMS data, including:
- (A) Exhaust gas flow rate;
  - (B) Exhaust gas NO<sub>x</sub> and O<sub>2</sub> concentrations; and
  - (C) 1-hour average NO<sub>x</sub> concentrations.

- (5) Conduct a performance test to demonstrate compliance with the VOC emissions limitation in Sections 122.5.1(b)(4) and (c)(3) after submitting a performance testing protocol to the Control Officer for approval. The performance test must be performed no later than 180 days after the Administrator approves these sections into the Nevada SIP. A previously conducted performance test may satisfy the requirements of this paragraph if resubmitted by the owner or operator and accepted by the Control Officer for the purpose of complying with this paragraph.
- (6) Conduct a new performance test every 5 calendar years to demonstrate compliance with the VOC emission limitations in Sections 122.5.1(a)(1) and (a)(3), or use a VOC CEMS to monitor compliance and meet the requirements of paragraphs (b)(1)–(b)(4) of this section.
- (7) In the performance test submitted to the Control Officer, identify one or more parameters to monitor, the appropriate parameter range, and emissions factors that the owner or operator will use to demonstrate continuous compliance with Sections 122.5.1(b)(5) and (c)(6).
- (8) Monitor VOCs using the parameters identified in paragraph (c)(6) of this section to demonstrate compliance.

### **122.5.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall comply with the following requirements.

- (a) For Units 5–8 (EUs: A00701A, A00702B, A00705, and A00708) and Units 11–22 (Peaker units, EUs: A27–A38), maintain records of the:

  - (1) QA/QC procedure;
  - (2) CEMS audit and calibration results, along with any corrective actions taken;
  - (3) Time, duration, nature, and probable cause of any CEMS downtime, and any corrective actions taken; and
  - (4) CEMS NO<sub>x</sub> data.

## 122.6 CALNEV PIPE LINE—LAS VEGAS TERMINAL (SOURCE ID: 00013)

### 122.6.1 RACT Control Requirements

The owner or operator shall comply with the following RACT requirements.

- (a) For the storage tanks (affected units) listed in Table 1:
- (1) Operate and maintain all affected units according to the seal control requirements in Table 1; and
  - (2) Operate all affected units in compliance with applicable federal regulations incorporated by reference in AQRs 13.3 and 14.2, as identified in Table 1.

**Table 1. Seal Control Requirements: Calnev Pipeline**

<u>EU</u>	<u>Site Tank #</u>	<u>Seal Control Requirements</u>	<u>Applicable Requirement(s)<sup>1</sup></u>
<u>A01</u>	<u>530</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A02</u>	<u>531</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A03</u>	<u>532</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A04</u>	<u>533</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A05</u>	<u>534</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A06</u>	<u>535</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A07</u>	<u>536</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A08</u>	<u>537</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A09</u>	<u>538</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A10</u>	<u>539</u>	<u>External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A11</u>	<u>540</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A13</u>	<u>524</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A16</u>	<u>545</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u> <u>AQR 14.2</u>
<u>A17</u>	<u>546</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u> <u>AQR 14.2</u>
<u>A21</u>	<u>547</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u> <u>AQR 14.2</u>
<u>A27</u>	<u>501</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>N/A</u>
<u>A28</u>	<u>523</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A29</u>	<u>544</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u> <u>AQR 14.2</u>
<u>A47</u>	<u>550</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A48</u>	<u>551</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A56</u>	<u>513</u>	<u>Internal Floating Roof with primary and secondary seals</u>	<u>N/A</u>
<u>A12</u>	<u>541</u>	<u>Domed External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A45</u>	<u>548</u>	<u>Domed External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>
<u>A46</u>	<u>549</u>	<u>Domed External Floating Roof with primary and secondary seals</u>	<u>AQR 13.3</u>

<sup>1</sup> Some tanks may not have an applicable requirement due to construction year, tank size, and/or product stored.

(b) For the storage tanks (affected units) listed in Table 2:

- (1) Operate and maintain all affected units according to the seal control requirements in the table when storing material with a vapor pressure of 41.1 kPa (6 psia) or less at 60°F (e.g., diesel, biodiesel, jet fuel); or
- (2) Install and maintain a secondary seal, and operate it in compliance with applicable federal regulations incorporated by reference into AQRs 13.3 and 14.2.

**Table 2. Seal Control Requirements: Calnev Pipeline**

<u>EU</u>	<u>Site Tank #</u>	<u>Seal Control Requirements</u>
<u>A23</u>	<u>510</u>	<u>External Floating Roof with primary seal</u>
<u>A24</u>	<u>511</u>	<u>External Floating Roof with primary seal</u>
<u>A14</u>	<u>542</u>	<u>Internal Floating Roof with primary seal</u>
<u>A15</u>	<u>543</u>	<u>Internal Floating Roof with primary seal</u>

(c) For storage tanks (affected units) listed in Table 3, only store materials with a vapor pressure of 41.1 kPa (6 psia) or less at 60°F (e.g., diesel, biodiesel, jet fuel).

**Table 3. Requirements for Fixed Roofs: Calnev Pipeline**

<u>EU</u>	<u>Site Tank #</u>	<u>Seal Control Requirements</u>
<u>A19</u>	<u>525</u>	<u>Fixed Roof</u>
<u>A20</u>	<u>526</u>	<u>Fixed Roof</u>
<u>A22</u>	<u>512</u>	<u>Fixed Roof</u>
<u>A25</u>	<u>ASA Conductivity Improver</u>	<u>Fixed Roof</u>
<u>A26</u>	<u>500 AIA</u>	<u>Fixed Roof</u>
<u>A30</u>	<u>533 A</u>	<u>Fixed Roof</u>
<u>A31</u>	<u>537 A</u>	<u>Fixed Roof</u>
<u>A32</u>	<u>541 A</u>	<u>Fixed Roof</u>
<u>A33</u>	<u>541 B</u>	<u>Fixed Roof</u>
<u>A34</u>	<u>542 D</u>	<u>Fixed Roof</u>
<u>A35</u>	<u>542 A</u>	<u>Fixed Roof</u>
<u>A36</u>	<u>531 A</u>	<u>Fixed Roof</u>
<u>A37</u>	<u>542 C</u>	<u>Fixed Roof</u>
<u>A38</u>	<u>537 B</u>	<u>Fixed Roof</u>
<u>A39</u>	<u>531 B</u>	<u>Fixed Roof</u>
<u>A53</u>	<u>548 B</u>	<u>Fixed Roof</u>
<u>A54</u>	<u>548 A</u>	<u>Fixed Roof</u>

(d) For loading racks (EU: B01):

- (1) Maintain and operate the existing VRU (EU: B02) or flare (EU: B10) during loading, except during a documented malfunction, emergency, or maintenance event or install, maintain and

operate an alternative air pollution control technology that achieves at least a 98.4% VOC capture and control efficiency during loading, except during a documented malfunction, emergency, or maintenance event.

(2) Limit VOC emissions to 2.4 mg/L (0.02 lb/1,000 gal) of product loaded in any 4-hour period, calculated as a block average and including all hours of operation.

(3) Operate in compliance with the tanker loading requirements in Section 14.2(c) to minimize leaks, spills, and fugitive emissions.

(e) For the soil vapor extraction and groundwater treatment system (EU: SR04):

(1) Maintain and operate a combustion unit capable of achieving a 98.5% VOC destruction efficiency through combustion under the following conditions:

(A) Use only propane as the auxiliary fuel; and

(B) Operate the combustion unit above the minimum temperature recommended by the manufacturer or establish another temperature range that achieves the required destruction efficiency in paragraph (e)(1) through a performance test; or

(2) Maintain and operate a VOC vapor-phase carbon absorber that achieves at least a 95% VOC control efficiency or reduce the VOC outlet concentration to at least 100 ppmvd; or

(3) Install, maintain, and operate an alternative air pollution control technology that achieves a capture and control efficiency comparable to the requirements of paragraphs (e)(1) or (e)(2) of this section.

(f) For EU: B06, the owner or operator shall comply with the requirements for equipment leak inspections in Section 13.3(c), which incorporates by reference the requirements of 40 CFR Part 63.11083(d)(4).

## **122.6.2 RACT Monitoring Requirements**

The owner or operator shall:

(a) Visually inspect all storage tanks listed in Tables 1–3 for proper operation and maintenance, and monitor them for throughput volume;

(b) Monitor the loading racks (EU: B01) for throughput;

- (c) For the VRU (EU: B02):
  - (1) Install, calibrate, maintain, operate, and certify a VOC CEMS;
  - (2) Require QA procedures for the VOC CEMS;
  - (3) Conduct a RATA of the VOC CEMS;
  - (4) Use a data acquisition system to collect and store VOC CEMS data, including:
    - (A) Exhaust gas flow rate;
    - (B) Amount of product loaded (in gallons or liters);
    - (C) Exhaust gas VOC concentration; and
    - (D) Hourly and 4-hour average VOC emission rate (in lb/1,000 gal or mg/L of product loaded).
- (d) For fugitive components (EU: B06):
  - (1) Monitor for leaks following the frequency and procedures in 40 CFR 63.10089(c), as required by Section 13.2(b)(105); and
  - (2) Conduct daily inspections for VOC leaks from valves, flanges, pumps leaks, etc. by sight, sound, and/or smell.
- (e) When operating the flare, monitor it (EU: B10) and visually inspect flame quality; and
- (f) For the soil vapor extraction and groundwater treatment system (EU: SR04):
  - (1) Record the type of auxiliary fuel used; and
  - (2) Monitor and record the temperature of the combustion unit.

### **122.6.3 RACT Testing Requirements**

The owner or operator shall:

- (a) For EUs: B02 and SR04, conduct subsequent performance testing every five calendar years after the initial performance test.
- (b) For EU: SR04, conduct the performance test required by paragraph (a) of this section when the combustion unit is operated for either the soil vapor extraction or the groundwater treatment system.

- (c) For EUs: B02 and SR04, determine compliance with emissions limitations.

#### **122.6.4 RACT Recordkeeping and Reporting Requirements**

In addition to complying with recordkeeping and reporting requirements in Section 122.4, the owner or operator shall also maintain records for the VRU (EU: B02), including:

- (a) QA procedures;
- (b) CEMS audit and calibration results, along with any corrective actions taken;
- (c) The time, duration, nature, and probable cause of any CEMS downtime and any corrective actions taken; and
- (d) CEMS VOC data.

#### **122.7 NELLIS AIR FORCE BASE (SOURCE ID: 00114)**

##### **122.7.1 RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

- (a) For EU: A032, operate and maintain the continuous-duty engine:
  - (1) With a turbocharger and ITR; and
  - (2) In compliance with the emissions limitations and applicable requirements of federal regulations incorporated by reference into AQR 14.2.
- (b) For EUs: G009, G010, G032, G033, G041, G176, G188, and G194, operate and maintain the emergency engines with turbochargers and aftercoolers.
- (c) For EUs: G176, G188, and G194, operate the emergency engines in compliance with applicable federal regulations incorporated by reference in Section 14.2.
- (d) For EUs: N001 and N002, operate and maintain the aircraft engine test cells in accordance with the O&M manual, including complying with GCP and GMP as required by Section 122.4.
- (e) For EUs: J001 and J004, maintain and operate a leak-free, vapor-tight air pollution control technology that achieves at least a 95% VOC capture and control efficiency.

### 122.7.2 RACT Testing Requirements

- (a) For EUs: J001 and J004, conduct testing, using CARB Test Procedure TP-201E or an alternative performance test method approved by the Administrator, every three years, or within 90 days after the air pollution control system's integrity is affected by a modification or repair of the affected unit.

### 122.7.3 RACT Monitoring, Recordkeeping, and Reporting Requirements

In addition to complying with recordkeeping and reporting requirements in Section 122.4, the owner or operator shall:

- (a) Maintain records documenting installation and operation of turbochargers and aftercoolers as required in Section 122.7.1(a)(1) and (b);
- (b) Monitor, keep records, and report in accordance with the federal regulations cited in Section 122.7.1(a)(2); and
- (c) For EUs: J001 and J004, conduct daily inspections of the affected unit and air pollution control technology for leaks or failures of the vapor-tight system on days the affected units receive deliveries.

## 122.8 CAESARS ENTERTAINMENT (SOURCE ID: 00257)

### 122.8.1 RACT Control Requirements

The owner or operator shall comply with the following RACT requirements.

- (a) For the emergency engines listed in Table 4:
- (1) Operate and maintain affected units with turbochargers and aftercoolers, as specified in Table 4; and
- (2) Comply with the emissions limitations and applicable requirements of federal regulations incorporated by reference into AQR 14.2, as specified in Table 4.

**Table 4. Emergency Engine Equipment and Regulatory Requirements: Caesars**

<u>EU</u>	<u>Equipment</u>		<u>Applicable Requirement in AQR 14.2</u>
	<u>Turbocharger</u>	<u>Aftercooler</u>	
<u>CP13</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CP14</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CP15</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CP16</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CP17</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CP28</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>CP29</u>	<u>X</u>	<u>X</u>	<u>X</u>

<u>EU</u>	<u>Equipment</u>		<u>Applicable Requirement in AQR 14.2</u>
	<u>Turbocharger</u>	<u>Aftercooler</u>	
<u>PA17</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>PA18</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>IP08</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>IP09</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>PH10</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>PH11</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>PH12</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>PH13</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>LI06</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>LI07</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>HA13</u>	<u>X</u>	<u>=</u>	<u>=</u>
<u>HA14</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>HA18</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>FL09</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>FL10</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BA04</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BA05</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BA11</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BA12</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CR07</u>	<u>X</u>	<u>X</u>	<u>X</u>

(b) For boilers (EUs: CP01–CP05):

- (1) For EUs: CP01 and CP02, limit NO<sub>x</sub> emissions to 29 ppm or less, corrected to 3% O<sub>2</sub>, in a 3-hour period, calculated as a block average.
- (2) For EUs: CP03, CP04, and CP05, limit NO<sub>x</sub> emissions to 30 ppm or less, corrected to 3% O<sub>2</sub>, in a 3-hour period, calculated as a block average.

### 122.8.2 RACT Monitoring and Testing Requirements

The owner or operator shall:

(a) For boilers (EUs: CP01–CP05):

- (1) Conduct a burner efficiency test on each boiler at least once each calendar year using the manufacturer’s recommended procedures or an alternative method approved by the Control Officer;
- (2) Conduct a performance test on each boiler once every 5 years; and

- (3) Determine compliance with emissions limitations.
- (b) For the affected units in Table 4:
  - (1) Operate with a nonresettable hour meter, and monitor and record hours of operation during testing, maintenance, emergency, and nonemergency operation; and
  - (2) Calculate and record the total hours of operation for emergency and nonemergency events, along with testing and maintenance operations at the end of each month, and compute and record calendar year totals.

### **122.8.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall maintain the following records:

- (a) Each burner efficiency test result;
- (b) Performance test results;
- (c) Documentation of installation and operation of turbochargers and aftercoolers, as required by Section 122.8.1; and
- (d) Monitoring records required by Section 122.8.2(b).
- (e) The owner or operator shall monitor, keep records, and report in accordance with applicable requirements in the federal regulations cited in Section 122.8.1(a)(2).

### **122.9 SAGUARO POWER COMPANY (SOURCE ID: 00393)**

#### **122.9.1 RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements for the turbine generator (EUs: A01 and A02), including duct burners (EUs: F05, F05a, F06, and F06a):

- (a) Limit NO<sub>x</sub> emissions to 10 ppmvd or less, corrected to 15% O<sub>2</sub>, in any 4-hour period, calculated as a 4-hour average rolled hourly, not including 1-hour periods with startup, shutdown, and testing/tuning operations; and
- (b) Limit NO<sub>x</sub> emissions to an average of 66 lb/hr or less, corrected to 15% O<sub>2</sub>, in any 1-hour period with startup or shutdown operations.

#### **122.9.2 RACT Monitoring Requirements**

For the turbine generators (EUs: A01–A02), the owner or operator shall:

- (a) Install, calibrate, maintain, operate, and certify CEMS for NO<sub>x</sub>;
- (b) Require periodic audit procedures and QA/AC procedures for the NO<sub>x</sub> CEMS;
- (c) Conduct RATA of the NO<sub>x</sub> CEMS;
- (d) Use an automated data acquisition and handling system to collect and store NO<sub>x</sub> CEMS data, including:
  - (1) Exhaust gas flow rate;
  - (2) Exhaust gas NO<sub>x</sub> and O<sub>2</sub> concentrations;
  - (3) 1-hour and 3-hour average NO<sub>x</sub> concentrations; and
  - (4) Mass emissions of NO<sub>x</sub> (lb/hr average).
- (e) Demonstrate compliance with NO<sub>x</sub> emissions limitations.

### **122.9.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall maintain records for the stationary gas turbines (EUs: A01 and A02), including:

- (a) QA/QC procedure;
- (b) CEMS audit and calibration results, along with any corrective actions taken;
- (c) The time, duration, nature, and probable cause of any CEMS downtime, and any corrective actions taken; and
- (d) CEMS VOC and NO<sub>x</sub> data.

### **122.10 NEVADA ENERGY—SUN PEAK GENERATING STATION (SOURCE ID: 00423)**

#### **122.10.1 RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

- (a) For Units 3–5 (EUs: A01– A03):
  - (1) Limit NO<sub>x</sub> emissions to 42 ppmvd or less, corrected to 15% O<sub>2</sub>, in any 3-hour period during which only natural gas is used as a fuel, calculated as a 3-hour average rolled hourly, not including

1-hour periods with startup, shutdown, or testing/tuning operations;

- (2) Limit NO<sub>x</sub> emissions to 65 ppmvd or less, corrected to 15% O<sub>2</sub>, in any 3-hour period during which #2 diesel oil is used as a fuel, calculated as a 3-hour average rolled hourly, not including 1-hour periods with startup, shutdown, or testing/tuning operations;
- (3) Limit NO<sub>x</sub> emissions to 94 ppmvd or less, corrected to 15% O<sub>2</sub>, in any 4-hour period that includes one or more 1-hour periods with startup or shutdown operations during which only natural gas is burned as fuel, calculated as a 4-hour average rolled hourly; and
- (4) Limit NO<sub>x</sub> emissions to an average of 227 lb/hr or less in any 1-hour period during which #2 diesel fuel is burned as fuel during startup or shutdown operations.

### **122.10.2 RACT Monitoring Requirements**

The owner or operator shall:

- (a) Install, calibrate, maintain, operate, and certify a NO<sub>x</sub> CEMS;
- (b) Require periodic audit procedures and QA/QC procedures for the NO<sub>x</sub> CEMS;
- (c) Conduct RATA of the NO<sub>x</sub> CEMS;
- (d) Use an automated data acquisition and handling system to collect and store NO<sub>x</sub> CEMS data, including:
  - (1) Exhaust gas flow rate;
  - (2) Exhaust gas NO<sub>x</sub> and O<sub>2</sub> concentrations;
  - (3) One hour and 3-hour average NO<sub>x</sub> concentrations; and
  - (4) Mass emissions of NO<sub>x</sub> (lb/hr average).
- (e) Monitor and record the type of fuel burned during each 1-hour period.
- (f) Demonstrate compliance with NO<sub>x</sub> emissions limitations.

### **122.10.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall maintain records for the NO<sub>x</sub> CEMS, including:

- (a) QA/QC procedure;
- (b) CEMS audit and calibration results, along with any corrective actions taken;
- (c) The time, duration, nature, and probable cause of any CEMS downtime, and any corrective actions taken; and
- (d) CEMS NO<sub>x</sub> data.

**122.11     MGM RESORTS INTERNATIONAL (SOURCE ID: 00825)**

**122.11.1     RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

- (a) For the emergency engines listed in Table 5, operate and maintain the affected units with turbochargers and aftercoolers, as identified in the table; and
- (b) Comply with the emissions limitations and applicable requirements of the federal regulations incorporated by reference into AQR 14.2, as identified in Table 5.

**Table 5. Emergency Engine Equipment and Regulatory Requirements: MGM Resorts**

<u>EU</u>	<u>Equipment</u>		<u>Applicable Requirement in AQR 14.2</u>
	<u>Turbocharger</u>	<u>Aftercooler</u>	
<u>MG17</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG18</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG19</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG20</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG21</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG22</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MG23</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MC019</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MC020</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB061</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB062</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB063</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB066</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB067</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>MB093</u>	<u>X</u>	<u>X</u>	<u>==</u>
<u>EX007</u>	<u>X</u>	<u>Not required</u>	<u>==</u>
<u>EX008</u>	<u>X</u>	<u>Not required</u>	<u>==</u>
<u>EX009</u>	<u>X</u>	<u>Not required</u>	<u>==</u>
<u>EX010</u>	<u>X</u>	<u>Not required</u>	<u>==</u>

<u>EU</u>	<u>Equipment</u>		<u>Applicable Requirement in AQR 14.2</u>
	<u>Turbocharger</u>	<u>Aftercooler</u>	
<u>BE80</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE81</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE82</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE83</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE84</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE85</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE86</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE87</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>BE88</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>LX009</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>LX010</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>LX011</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>LX024</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>LX025</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>NY27</u>	<u>X</u>	<u>Not required</u>	<u>=</u>
<u>NY28</u>	<u>X</u>	<u>Not required</u>	<u>=</u>
<u>NY29</u>	<u>X</u>	<u>Not required</u>	<u>=</u>
<u>CC009</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC010</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC011</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC012</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC013</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC014</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>CC015</u>	<u>X</u>	<u>X</u>	<u>=</u>
<u>TBA15</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>TBB15</u>	<u>X</u>	<u>X</u>	<u>X</u>
<u>TM01</u>	<u>Not required</u>	<u>Not required</u>	<u>X</u>
<u>CO07</u>	<u>Not required</u>	<u>Not required</u>	<u>X</u>
<u>CO08</u>	<u>Not required</u>	<u>Not required</u>	<u>X</u>
<u>CO09</u>	<u>Not required</u>	<u>Not required</u>	<u>X</u>

**122.11.2 RACT Monitoring Requirements**

For the affected units in Table 5, the owner or operator shall:

- (a) Operate with a nonresettable hour meter, and monitor and record hours of operation during testing, maintenance, emergency, and nonemergency operation;
- (b) Calculate and record the total hours of operation for emergency, non-emergency, and testing and maintenance operations at the end of each month, and compute and record the calendar year total hours for each type of operation; and

- (c) Monitor in accordance with the applicable requirements of the federal regulations cited in Section 122.11.1(b).

### **122.11.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall:

- (a) Maintain documentation of the installation and operation of turbochargers and aftercoolers, as required by Section 122.11.1;
- (b) Maintain monitoring records, as required by Section 122.11.2; and
- (c) Keep records and report in accordance with the applicable requirements in the federal regulations cited in Section 122.11.1(b).

## **122.12 CERTAINTED GYPSUM MANUFACTURING (SOURCE ID: 00004)**

### **122.12.1 RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

- (a) For the CP mill (EU: E.11), limit NO<sub>x</sub> emissions to 40 ppm or less, corrected to 3% O<sub>2</sub>, in any 3-hour period, calculated as a block average, not including 1-hour periods with startup or shutdown operations.
- (b) For the board dryer (EU: J.3), limit NO<sub>x</sub> emissions to 46 ppm or less, corrected to 3% O<sub>2</sub>, in any 3-hour period, calculated as a block average, not including 1-hour periods with startup or shutdown operations.
- (c) For the portable diesel engine (EU: N.5):
  - (1) Maintain and operate with a turbocharger and an aftercooler;
  - (2) Do not operate more than 2,400 hours in any consecutive 12-month period, computed as a 12-month total rolled monthly; and
  - (3) Operate in compliance with applicable federal regulations incorporated by reference in AQR 14.2.

### **122.12.2 RACT Monitoring Requirements**

- (a) For the CP mill (EU: E.11) and the board dryer (EU: J.3):
  - (1) Conduct a performance test to demonstrate compliance with the NO<sub>x</sub> emission limitations in Sections 122.13.1(a) and (b) after submitting a performance testing protocol to the Control

Officer for approval. The performance test must be performed no later than 180 days after the Administrator approves these sections into the Nevada SIP. A previously conducted performance test may satisfy the requirements of paragraphs (b)(1) and (b)(3) of this section if resubmitted by the owner or operator and accepted by the Control Officer for the purpose of complying with these paragraphs.

(2) Conduct a new performance test every 5 calendar years to demonstrate compliance with the NO<sub>x</sub> emission limitations in Sections 122.5.1(a)(1) and (a)(3), or use a CEMS to monitor compliance and meet the performance specifications in 40 CFR Part 60 for the pollutant monitored.

(3) In the performance test report submitted to the Control Officer, identify one or more parameters to monitor, the appropriate parameter range, and emissions factors that the owner or operator will use to demonstrate continuous compliance with Sections 122.5.1(a)(1)–(a)(3) in the performance test report submitted to the Control Officer.

(4) Monitor NO<sub>x</sub> emissions using the parameters identified in paragraph (b)(3) of this section to demonstrate compliance with the emissions limitations in Sections 122.13.1(a) and (b).

(b) For the portable diesel engine (EU: N.5), the owner or operator shall:

(1) Conduct visual emissions checks each time the engine is operated;

(2) Operate with a nonresettable hour meter, and monitor and record the hours of operation; and

(3) Calculate and record the total hours of operation at the end of each month for the preceding 12-month period, including emissions from all hours of operation.

### **122.12.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall retain the following records for the portable diesel engine (EU: N.5):

(a) Documentation of the installation and operation of turbochargers and aftercoolers, as required by Section 122.13.1(c); and

(b) Records of monitoring, as required by Section 122.13.2(b).

**122.13**      **NV ENERGY–LAS VEGAS GENERATING STATION (SOURCE ID: 00329)**

**122.13.1**    **RACT Control Requirements**

The owner or operator shall comply with the following RACT requirements.

(a) For Turbine Generator Package Unit 1 (EU: A01):

- (1) Limit NO<sub>x</sub> emissions to 10 ppmvd, corrected to 15% O<sub>2</sub> in any 3-hour period, calculated as a 3-hour average rolled hourly, not including 1-hour periods with startup, shutdown, or testing/tuning operations;
- (2) Limit NO<sub>x</sub> emissions to 42 tpy or less in any consecutive 12-month period, calculated as a 12-month total, rolled monthly, including emissions from all hours of operation.

(b) For Turbine Generator Package Units 2–5 (EUs: A03–A06):

- (1) Limit NO<sub>x</sub> emissions to 2 ppmvd or less, corrected to 15% O<sub>2</sub>, in any 3-hour period, calculated as a 3-hour average rolled hourly, not including 1-hour periods with startup, shutdown, or testing/tuning operations;
- (2) Limit NO<sub>x</sub> emissions to 45.72 tpy or less, corrected to 66°F, computed as a collective total of emissions from the affected units (A03–A06) for all hours of operation.

**122.13.2**    **RACT Monitoring Requirements**

For Turbine Generator Package Units 1–5 (EU: A01 and EUs: A03–A06), the owner or operator shall:

- (a) Install, calibrate, maintain, operate, and certify the NO<sub>x</sub> CEMS;
- (b) Require periodic audit procedures and QA/QC procedures for the NO<sub>x</sub> CEMS;
- (c) Conduct RATA of the NO<sub>x</sub> CEMS; and
- (d) Use an automated data acquisition and handling system to collect and store NO<sub>x</sub> CEMS data, including:
  - (1) Exhaust gas flow rate;
  - (2) Exhaust gas NO<sub>x</sub> and O<sub>2</sub> concentrations;

- (3) 1-hour and 3-hour average NO<sub>x</sub> concentrations;
  - (4) Mass emissions rate of NO<sub>x</sub> (tons per month); and
  - (5) Temperature (in °F) for Units 2–5 (EUs: A03–A06).
- (e) Demonstrate compliance with NO<sub>x</sub> emission limitations.

### **122.13.3 RACT Recordkeeping and Reporting Requirements**

In addition to complying with the recordkeeping and reporting requirements in Section 122.4, the owner or operator shall:

- (a) Maintain the following records:
  - (1) QA/QC procedure;
  - (2) CEMS audit and calibration results, along with any corrective actions taken;
  - (3) Time, duration, nature, and probable cause of any CEMS downtime, and any corrective actions taken; and
  - (4) CEMS NO<sub>x</sub> data.
- (b) Comply with the following reporting requirements:
  - (1) Report CEMS data in clock-hour increments; and
  - (2) Follow the reporting schedule in the CEMS QA plan.

## ATTACHMENT 1: AFFECTED UNITS

<u>EU</u>	<u>Rating</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
<b><u>NV Energy: Clark Generating Station (Source ID: 00007)</u></b>				
<u>A00704D (UNIT 4)</u>	<u>60 MW</u>	<u>General Electric</u>	<u>7B (7000)</u>	<u>N/A</u>
<u>A00701A (UNIT 5)</u>	<u>85 MW</u>	<u>Westinghouse</u>	<u>501B6</u>	<u>N/A</u>
<u>A00702B (UNIT 6)</u>	<u>85 MW</u>	<u>Westinghouse</u>	<u>501B6</u>	<u>N/A</u>
<u>A00705 (UNIT 7)</u>	<u>85 MW</u>	<u>Westinghouse</u>	<u>501B6</u>	<u>N/A</u>
<u>A00708 (UNIT 8)</u>	<u>85 MW</u>	<u>Westinghouse</u>	<u>501B6</u>	<u>N/A</u>
<u>A27 (UNIT 11)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A28 (UNIT 12)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A29 (UNIT 13)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A30 (UNIT 14)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A31 (UNIT 15)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A32 (UNIT 16)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A33 (UNIT 17)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A34 (UNIT 18)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A35 (UNIT 19)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A36 (UNIT 20)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A37 (UNIT 21)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<u>A38 (UNIT 22)</u>	<u>57.9 MW</u>	<u>Pratt &amp; Whitney</u>	<u>FT8-3 Swift Pac</u>	<u>N/A</u>
<b><u>CalNev Pipe Line (Source ID: 00013)</u></b>				
<u>A01</u>	<u>11,200 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A02</u>	<u>12,890 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A03</u>	<u>8,080 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A04</u>	<u>11,330 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A05</u>	<u>8,080 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A06</u>	<u>8,080 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A07</u>	<u>17,550 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A08</u>	<u>22,250 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A09</u>	<u>11,330 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A10</u>	<u>11,330 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A11</u>	<u>16,320 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A12</u>	<u>25,100 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A13</u>	<u>18,000 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>A14</u>	<u>45,000 bbl</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

<u><i>EU</i></u>	<u><i>Rating</i></u>	<u><i>Manufacturer</i></u>	<u><i>Model</i></u>	<u><i>Serial Number</i></u>
<u><i>A15</i></u>	<u><i>35,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A16</i></u>	<u><i>37,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A17</i></u>	<u><i>40,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A19</i></u>	<u><i>50,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A20</i></u>	<u><i>50,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A21</i></u>	<u><i>50,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A22</i></u>	<u><i>50,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A23</i></u>	<u><i>40,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A24</i></u>	<u><i>40,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A25</i></u>	<u><i>1.3 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A26</i></u>	<u><i>252 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A27</i></u>	<u><i>4,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A28</i></u>	<u><i>10,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A29</i></u>	<u><i>11,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A30</i></u>	<u><i>252 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A31</i></u>	<u><i>464 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A32</i></u>	<u><i>380 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A33</i></u>	<u><i>380 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A34</i></u>	<u><i>215 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A35</i></u>	<u><i>143 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A36</i></u>	<u><i>143 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A37</i></u>	<u><i>12 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A38</i></u>	<u><i>447 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A39</i></u>	<u><i>119 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A45</i></u>	<u><i>12,890 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A46</i></u>	<u><i>12,890 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A47</i></u>	<u><i>20,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A48</i></u>	<u><i>10,100 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A53</i></u>	<u><i>238 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A54</i></u>	<u><i>238 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>A56</i></u>	<u><i>50,000 bbl</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>B01 (Loading Rack)</i></u>	<u><i>35,379,927 bbl per year</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>
<u><i>B02 (VRU)</i></u>	<u><i>N/A</i></u>	<u><i>John Zink</i></u>	<u><i>N/A</i></u>	<u><i>N/A</i></u>

<u><a href="#">EU</a></u>	<u><a href="#">Rating</a></u>	<u><a href="#">Manufacturer</a></u>	<u><a href="#">Model</a></u>	<u><a href="#">Serial Number</a></u>
<u><a href="#">B06 (Piping and Fittings)</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>
<u><a href="#">B10 (Flare)</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>
<u><a href="#">SR04 (SVE/GW treatment)</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>
<b><u><a href="#">Nellis Air Force Base (Source ID: 00114)</a></u></b>				
<u><a href="#">A032</a></u>	<u><a href="#">250 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">M11</a></u>	<u><a href="#">60425136</a></u>
<u><a href="#">G009</a></u>	<u><a href="#">1635 bhp</a></u>	<u><a href="#">Mitsubishi</a></u>	<u><a href="#">PS6</a></u>	<u><a href="#">12588</a></u>
<u><a href="#">G010</a></u>	<u><a href="#">1350 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">QST30-G3</a></u>	<u><a href="#">37205939</a></u>
<u><a href="#">G032</a></u>	<u><a href="#">1586 bhp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3512</a></u>	<u><a href="#">24Z04351</a></u>
<u><a href="#">G033</a></u>	<u><a href="#">1586 bhp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3512</a></u>	<u><a href="#">24Z04354</a></u>
<u><a href="#">G041</a></u>	<u><a href="#">1220 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">KTA38-G3</a></u>	<u><a href="#">33120700</a></u>
<u><a href="#">G176</a></u>	<u><a href="#">2220 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">GKS50-G4NR2</a></u>	<u><a href="#">25462291</a></u>
<u><a href="#">G188</a></u>	<u><a href="#">2922 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">QSK60-G6 NR2</a></u>	
<u><a href="#">G194</a></u>	<u><a href="#">2200 bhp</a></u>	<u><a href="#">Cummins</a></u>	<u><a href="#">DQGAA</a></u>	
<u><a href="#">N001</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">Custom Bldg</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>
<u><a href="#">N002</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">Custom Bldg</a></u>	<u><a href="#">N/A</a></u>	<u><a href="#">N/A</a></u>
<u><a href="#">J001</a></u>	<u><a href="#">20,000 gal</a></u>	<u><a href="#">Highland Tank Chicago Bridge and Iron</a></u>	<u><a href="#">UTBD-2</a></u>	<u><a href="#">P736547</a></u>
<u><a href="#">J004</a></u>	<u><a href="#">25,000 gal</a></u>	<u><a href="#">STI-P3</a></u>	<u><a href="#">UTBD-3</a></u>	<u><a href="#">26</a></u>
<b><u><a href="#">Caesars Entertainment (Source ID: 00257)</a></u></b>				
<u><a href="#">CP01</a></u>	<u><a href="#">35.4 MMBtu/hr</a></u>	<u><a href="#">Hurst</a></u>	<u><a href="#">S4-G-800-150</a></u>	<u><a href="#">S4000-150-18</a></u>
<u><a href="#">CP02</a></u>	<u><a href="#">35.4 MMBtu/hr</a></u>	<u><a href="#">Hurst</a></u>	<u><a href="#">S4-G-800-150</a></u>	<u><a href="#">S4000-150-19</a></u>
<u><a href="#">CP03</a></u>	<u><a href="#">33.475 MMBtu/hr</a></u>	<u><a href="#">Burnham</a></u>	<u><a href="#">3P80050GBNM</a></u>	<u><a href="#">12524</a></u>
<u><a href="#">CP04</a></u>	<u><a href="#">33.475 MMBtu/hr</a></u>	<u><a href="#">Burnham</a></u>	<u><a href="#">3P80050GBNM</a></u>	<u><a href="#">12164</a></u>
<u><a href="#">CP05</a></u>	<u><a href="#">33.475 MMBtu/hr</a></u>	<u><a href="#">Burnham</a></u>	<u><a href="#">3P80050GBNM</a></u>	<u><a href="#">12238</a></u>
<u><a href="#">CP13</a></u>	<u><a href="#">2.876 hp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3516</a></u>	<u><a href="#">8DM00558</a></u>
<u><a href="#">CP14</a></u>	<u><a href="#">2.876 hp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3516</a></u>	<u><a href="#">6HN00154</a></u>
<u><a href="#">CP15</a></u>	<u><a href="#">2.520 hp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3516</a></u>	<u><a href="#">25Z05223</a></u>
<u><a href="#">CP16</a></u>	<u><a href="#">1.818 hp</a></u>	<u><a href="#">Caterpillar</a></u>	<u><a href="#">3512</a></u>	<u><a href="#">24Z06413</a></u>

<u>EU</u>	<u>Rating</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
<u>CP17</u>	<u>2,876 hp</u>	<u>Caterpillar</u>	<u>3516</u>	<u>6HN00199</u>
<u>CP28</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516CDITA</u>	<u>SBJ00672</u>
<u>CP29</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516CDITA</u>	<u>SBJ00673</u>
<u>PA17</u>	<u>2,816 hp</u>	<u>Cummins</u>	<u>CW73-G</u>	<u>66300058</u>
<u>PA18</u>	<u>2,816</u>	<u>Cummins</u>	<u>CW73-G</u>	<u>66300040</u>
<u>IP08</u>	<u>755 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>81Z04033</u>
<u>IP09</u>	<u>890 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>81Z08595</u>
<u>PH10</u>	<u>2,550 hp</u>	<u>MTU/Detroit Diesel</u>	<u>T1637K16</u>	<u>5272000427</u>
<u>PH11</u>	<u>2,550 hp</u>	<u>MTU/Detroit Diesel</u>	<u>T1637K16</u>	<u>5272000397</u>
<u>PH12</u>	<u>2,550 hp</u>	<u>MTU/Detroit Diesel</u>	<u>T1637K16</u>	<u>5272000421</u>
<u>PH13</u>	<u>2,560 hp</u>	<u>MTU/Detroit Diesel</u>	<u>T1238A36</u>	<u>5262003725</u>
<u>LI06</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ01461</u>
<u>LI07</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ01460</u>
<u>HA13</u>	<u>1,232 hp</u>	<u>Caterpillar</u>	<u>81637416</u>	<u>16VF007962</u>
<u>HA14</u>	<u>890 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>81Z09924</u>
<u>HA18</u>	<u>1,180 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>2WJ00740</u>
<u>FL09</u>	<u>1,109 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>2WJ02570</u>
<u>FL10</u>	<u>1,109 hp</u>	<u>Caterpillar</u>	<u>3412</u>	<u>2WJ02570</u>
<u>BA04</u>	<u>1,340 hp</u>	<u>Detroit Diesel</u>	<u>9163-7305</u>	<u>16E0006591</u>
<u>BA05</u>	<u>1,340 hp</u>	<u>Detroit Diesel</u>	<u>9163-7305</u>	<u>16E0006592</u>
<u>BA11</u>	<u>1,340 hp</u>	<u>Detroit Diesel</u>	<u>7243-7406</u>	<u>24VA001710</u>
<u>BA12</u>	<u>1,340 hp</u>	<u>Detroit Diesel</u>	<u>7243-7406</u>	<u>24VA001728</u>
<u>CR07</u>	<u>2,206 hp</u>	<u>Caterpillar</u>	<u>3512C</u>	<u>EBG01274</u>
<b><u>Saguaro Power Company (Source ID: 00393)</u></b>				
<u>A01</u>	<u>35 MW</u>	<u>General Electric</u>	<u>PG6541B</u>	<u>295525</u>
<u>A02</u>	<u>35 MW</u>	<u>General Electric</u>	<u>PG6541B</u>	<u>295524</u>
<u>F05 w/ A01</u>	<u>25 MMBtu/hr</u>	<u>John Zink</u>	<u>LDR-11-LE</u>	<u>S82733</u>
<u>F05a w/ A01</u>	<u>25 MMBtu/hr</u>	<u>John Zink</u>	<u>LDR-11-LE</u>	<u>S82733</u>
<u>F06 w/ A02</u>	<u>25 MMBtu/hr</u>	<u>John Zink</u>	<u>LDR-11-LE</u>	<u>S82733</u>
<u>F06a w/ A02</u>	<u>25 MMBtu/hr</u>	<u>John Zink</u>	<u>LDR-11-LE</u>	<u>S82733</u>
<b><u>NV Energy: Sun Peak Generating Station (Source ID: 00423)</u></b>				
<u>A01 (Unit 3)</u>	<u>84.5 MW</u>	<u>General Electric</u>	<u>PG7111-EA</u>	<u>N/A</u>
<u>A02 (Unit 4)</u>	<u>84.5 MW</u>	<u>General Electric</u>	<u>PG7111-EA</u>	<u>N/A</u>
<u>A03 (Unit 5)</u>	<u>84.5 MW</u>	<u>General Electric</u>	<u>PG7111-EA</u>	<u>N/A</u>

<u>EU</u>	<u>Rating</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
<b><u>MGM Resorts International (Source ID: 00825)</u></b>				
<u>MG17</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02910</u>
<u>MG18</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02931</u>
<u>MG19</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02927</u>
<u>MG20</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02913</u>
<u>MG21</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02929</u>
<u>MG22</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02932</u>
<u>MG23</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02916</u>
<u>MC019</u>	<u>2,172 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>6WN00081</u>
<u>MC020</u>	<u>2,172 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>6WN00082</u>
<u>MB061</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516 DITA</u>	<u>25Z06027</u>
<u>MB062</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516 DITA</u>	<u>25Z02994</u>
<u>MB063</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516 DITA</u>	<u>25Z03002</u>
<u>MB066</u>	<u>2,518 hp</u>	<u>Caterpillar</u>	<u>3516 DITA</u>	<u>3NS00234</u>
<u>MB067</u>	<u>2,220 hp</u>	<u>Cummins</u>	<u>KTA50-G9</u>	<u>33146939</u>
<u>MB093</u>	<u>2,172 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>1GZ01339</u>
<u>EX007</u>	<u>1,592 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>24Z02774</u>
<u>EX008</u>	<u>1,592 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>24Z02784</u>
<u>EX009</u>	<u>1,592 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>24Z02770</u>
<u>EX010</u>	<u>1,592 hp</u>	<u>Caterpillar</u>	<u>3512</u>	<u>24Z02753</u>
<u>BE80</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05330</u>
<u>BE81</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05335</u>
<u>BE82</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05333</u>
<u>BE83</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05332</u>
<u>BE84</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05339</u>
<u>BE85</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05338</u>
<u>BE86</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>25Z05340</u>
<u>BE87</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>1LZ00545</u>
<u>BE88</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3416</u>	<u>1LZ00546</u>
<u>LX009</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z03005</u>
<u>LX010</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02998</u>
<u>LX011</u>	<u>2,168 hp</u>	<u>Caterpillar</u>	<u>3516TA</u>	<u>25Z02999</u>
<u>LX024</u>	<u>2,206 hp</u>	<u>Caterpillar</u>	<u>3512C</u>	<u>EGB00199</u>
<u>LX025</u>	<u>2,206 hp</u>	<u>Caterpillar</u>	<u>3512C</u>	<u>EGB00203</u>
<u>NY27</u>	<u>1,818 hp</u>	<u>Caterpillar</u>	<u>3512TA</u>	<u>24Z06937</u>

<u>EU</u>	<u>Rating</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
<u>NY28</u>	<u>1,818 hp</u>	<u>Caterpillar</u>	<u>3512TA</u>	<u>24Z06932</u>
<u>NY29</u>	<u>1,818 hp</u>	<u>Caterpillar</u>	<u>3512TA</u>	<u>24Z06931</u>
<u>CC009</u>	<u>3,622 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBK00196</u>
<u>CC010</u>	<u>3,622 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBK00197</u>
<u>CC011</u>	<u>3,622 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBK00198</u>
<u>CC012</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ00378</u>
<u>CC013</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ00379</u>
<u>CC014</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ00380</u>
<u>CC015</u>	<u>2,937 hp</u>	<u>Caterpillar</u>	<u>3516C</u>	<u>SBJ00382</u>
<u>TBA15</u>	<u>1,180 hp</u>	<u>Caterpillar</u>	<u>3412CTA</u>	<u>1EZ07104</u>
<u>TBB15</u>	<u>2,520 hp</u>	<u>Caterpillar</u>	<u>3516 BTA</u>	<u>GZR00237</u>
<u>TM01</u>	<u>3,701 hp</u>	<u>Caterpillar</u>	<u>3516DITA</u>	<u>DD501118</u>
<u>CO07</u>	<u>2,000 kW</u>	<u>Caterpillar</u>	<u>SR4BGD</u>	<u>G5H00391</u>
	<u>2937 hp</u>		<u>3516C</u>	<u>SBJ00370</u>
<u>CO08</u>	<u>2,000 kW</u>	<u>Caterpillar</u>	<u>SR4BGD</u>	<u>G5H00375</u>
	<u>2937 hp</u>		<u>3516C</u>	<u>SBJ00338</u>
<u>CO09</u>	<u>2,000 kW</u>	<u>Caterpillar</u>	<u>SR4BGD</u>	<u>G5H00376</u>
	<u>2937 hp</u>		<u>3516C</u>	<u>SBJ00337</u>

**CERTAINTED GYPSUM MANUFACTURING (SOURCE ID: 00004)**

<u>E.11</u>	<u>37 MMBtu/hr</u>	<u>Maxon</u>	<u>140KDZERLE-NFS</u>	<u>18903163</u>
<u>J.3</u>	<u>141 MMBtu/hr</u>	<u>Unavailable</u>	<u>Unavailable</u>	<u>Unassigned</u>
<u>N.5</u>	<u>575 hp</u>	<u>Caterpillar</u>	<u>C18</u>	<u>WRH09907</u>

**NV ENERGY—LAS VEGAS GENERATING STATION (SOURCE ID: 003290)**

<u>A01</u>	<u>480 MMBtu/hr</u>	<u>General Electric</u>	<u>LM-6000</u>	<u>260245</u>
<u>A03</u>	<u>480 MMBtu/hr</u>	<u>General Electric</u>	<u>LM-6000</u>	<u>210891</u>
<u>A04</u>	<u>480 MMBtu/hr</u>	<u>General Electric</u>	<u>LM-6000</u>	<u>311668</u>
<u>A05</u>	<u>480 MMBtu/hr</u>	<u>General Electric</u>	<u>LM-6000</u>	<u>311724</u>
<u>A06</u>	<u>480 MMBtu/hr</u>	<u>General Electric</u>	<u>LM-6000</u>	<u>312189</u>

*bbl=barrels (1 barrel = 42 gallons); bhp = brake horsepower; hp = horsepower; MMBtu/hr = Millions of British thermal units per hour; MW = megawatt.*