

**[SECTION 121: REASONABLY AVAILABLE CONTROL TECHNOLOGY
DETERMINATIONS FOR SPECIFIC MAJOR STATIONARY SOURCES IN THE 2015
8-HOUR OZONE NAAQS MODERATE NONATTAINMENT AREA HA-212**

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~~121.1 PURPOSE~~

- ~~(a) Section 121 establishes and implements Reasonably Available Control Technology (RACT) requirements for existing major stationary sources of nitrogen oxide (NO_x) and/or volatile organic compounds (VOC) as required by Section 182(b)(2) of the Clean Air Act (Act) under Title 42, Section 7511a of the U.S. Code (42 U.S.C. 7511a).~~

~~121.2 APPLICABILITY~~

- ~~(a) Section 121 applies to owners or operators of major stationary sources:~~
- ~~(1) That are existing major sources for NO_x and/or VOC, as defined in Section 12.3.2;~~
 - ~~(2) That are located in Hydrographic Area (HA) 212 (Las Vegas Valley);~~
 - ~~(3) That are affected sources that contain affected units, as defined in Section 121.3; and~~
 - ~~(4) For which a case-by-case RACT analysis was conducted after EPA reclassified HA 212 to moderate nonattainment status for ozone.~~
- ~~(b) Except as provided in paragraphs (1) and (2) of this section, once Section 121 RACT requirements have been implemented, the modification or reconstruction of an affected unit at an affected source will require an evaluation (or re-evaluation) of RACT for that unit. The affected source shall conduct this evaluation according to current Clark County RACT methodology, and the evaluation shall involve the whole unit, not just the modification. The only exceptions are:~~
- ~~(1) Any emissions units that are, or will be (because of a modification or reconstruction), subject to Lowest Achievable Emissions Rate (LAER) for NO_x and/or VOC.~~
 - ~~(2) Modifications to or reconstruction of an emission unit that shall not cause its potential to emit (PTE) of NO_x and/or VOC to exceed 5 tons per year (tpy).~~
- ~~(c) A requirement to comply with Section 121 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 more than one RACT determination; if so,~~

~~each RACT determination shall be included in the resulting permit as a separate limitation unless the owner or operator demonstrates that compliance with one RACT (usually the most stringent) also demonstrates compliance with one or more of the other RACT determinations for that affected unit under all scenarios (i.e., under all levels of operation, with all types of raw materials and/or fuels, etc.), and the Control Officer approves.~~

~~121.3 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.~~

~~“Affected source” means a major stationary source required to comply with major source RACT for NO_x and/or VOC under Section 121.~~

~~“Affected unit” means any existing emission unit at an affected source, as defined in Section 121, to which major source RACT applies.~~

- ~~1. For the purposes of Section 121, insignificant activities, as determined in Section 12.5, shall not be considered affected units. Also for the purposes of Section 121, no activities with a PTE greater than 2 tons per year of NO_x or VOC individually—with no threshold for a combination of pollutants—shall be eligible to be determined insignificant activities.~~

~~“Compliance certification” means a document 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 U.S.C. 7408), as required by Section 182(b)(2)(A) of the Act (42 U.S.C. 7511a).~~

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

~~“Existing major stationary source” or “existing major source,” for the purposes of Section 121, means a stationary source that is defined in Section 12.3.2 as a major source for NO_x and/or VOC and began actual construction before January 5, 2023.~~

~~“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. Where GCP in a permit conflicts with manufacturer recommendations, the owner or operator shall follow the GCP in the permit.~~

~~“Good maintenance practices” (GMP) means maintenance of an emission unit in a manner that minimizes air pollution emissions. Where GMP in a permit conflicts with manufacturer recommendations, the owner or operator shall follow the GMP in the permit.~~

~~“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_x formation.~~

~~“Major source RACT” means the RACT required by Section 182(b)(1)(A)(ii)(II) of the Act (42 U.S.C. 7511a) for existing major sources of NO_x and/or VOC 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 EPA has published a CTG document. 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.~~

~~“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 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, on-going basis are referred to as relative accuracy test audits or RATAs.~~

121.4 — GENERAL CONDITIONS

- ~~(a) — Affected units subject to Section 121 are identified by emission unit (EU) numbers and described in Attachment 1.~~
- ~~(b) — Affected sources subject to Section 121 are identified by source identification (ID) number.~~
- ~~(c) — Owners or operators of a stationary source subject to Section 121 shall comply with the major source RACT requirements of Section 121 for all affected units.~~

~~121.5 NEVADA ENERGY—CLARK GENERATING STATION (SOURCE ID: 00007)~~

~~121.5.1 RACT Control Requirements~~

~~The owner or operator shall implement the following RACT controls:~~

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

- ~~(1) NO_x emissions shall be limited to an emissions rate of 120 ppm at 15% O₂, excluding startup and shutdown.~~
- ~~(2) VOC emissions shall be limited to an emissions rate of 21.6 lb/hr, excluding startup and shutdown.~~
- ~~(3) The unit shall be determined compliant in accordance with GCP, operated and maintained using GCP, to include operating the unit in accordance with the manufacturer's O&M manual.~~

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

- ~~(1) NO_x emissions shall be limited to an emission rate of 5 ppm at 15% O₂, excluding startup and shutdown.~~
- ~~(2) NO_x emissions shall be limited to an emissions rate of 75 parts per million by volume, dry (ppmvd) at 15% O₂ during startup and shutdown operations.~~
- ~~(3) VOC emissions shall be limited to an emission rate of 5.0 lb/hr, excluding startup and shutdown operations.~~
- ~~(4) The units shall be determined to be compliant using the existing continuous emission monitoring system (CEMS) on each one.~~
- ~~(5) The units shall be operated and maintained using GCP during startup, shutdown, and other non-normal operations, to include operating the units in accordance with the manufacturer's O&M manual.~~

~~(c) For Units 11–22 (EU: A27–A38):~~

- ~~(1) NO_x emissions shall be limited to an emission rate of 5 ppm at 15% O₂, excluding startup and shutdown.~~
- ~~(2) NO_x emissions shall be limited to an emissions rate of 96 ppmvd at 15% O₂ during startup and shutdown.~~
- ~~(3) VOC emissions shall be limited to an emissions rate of 1.49 lb/hr, excluding startup and shutdown.~~

- ~~(4) The units shall be determined to be compliant using the existing continuous emission monitoring system (CEMS) on each one.~~
- ~~(5) The units shall be operated and maintained using GCP during startup, shutdown, and other non-normal operations, to include operating the units in accordance with the manufacturer's O&M manual.~~

121.5.2 RACT Monitoring Requirements

- ~~(a) For all emission units, the owner or operator shall:
 - ~~(1) Monitor the occurrences and durations of startup/shutdown cycles; and~~
 - ~~(2) Demonstrate compliance with NO_x emissions limits.~~~~
- ~~(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_x;~~
 - ~~(2) Require periodic audit procedures and QA/QC procedures for the CEMS;~~
 - ~~(3) Conduct RATA of the NO_x CEMS; and~~
 - ~~(4) Monitor CEMS NO_x data.~~~~

121.5.3 RACT Recordkeeping and Reporting Requirements

For all emission units, the owner or operator shall:

- ~~(a) Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(b) Maintain records of hours of operation for the turbine generators;~~
- ~~(c) 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 of any corrective actions taken;~~~~

- ~~(4) — CEMS NO_x data; and~~
- ~~(5) — Date, time, and duration of each startup and shutdown.~~
- ~~(d) — Submit an annual emissions inventory report; and~~
- ~~(e) — Submit an annual compliance certification.~~

~~**121.6 — CALNEV PIPE LINE — LAS VEGAS TERMINAL (SOURCE ID: 00013)**~~

~~**121.6.1 — RACT Control Requirements**~~

~~The owner or operator shall implement the following RACT controls.~~

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

~~**Table 1. Seal Control Requirements**~~

| EU | Site Tank Number | Seal Control Requirements | Applicable Requirement(s)⁴ |
|----------------|-----------------------------|--|--|
| A01 | 530 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A02 | 531 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A03 | 532 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A04 | 533 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A05 | 534 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A06 | 535 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A07 | 536 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A08 | 537 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A09 | 538 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A10 | 539 | External Floating Roof with primary and secondary seals | AQR 13.3 |
| A23 | 510 | External Floating Roof with primary seal | N/A |
| A24 | 511 | External Floating Roof with primary seal | N/A |
| A11 | 540 | Internal Floating Roof with primary and secondary seals | AQR 13.3 |
| A13 | 524 | Internal Floating Roof with primary and secondary seals | AQR 13.3 |
| A16 | 545 | Internal Floating Roof with primary and secondary seals | AQR 13.3 AQR 14.2 |
| A17 | 546 | Internal Floating Roof with primary and secondary seals | AQR 13.3 AQR 14.2 |

| EU | Site-Tank Number | Seal Control Requirements | Applicable Requirement(s) [†] |
|-----|---------------------------|---|--|
| A21 | 547 | Internal Floating Roof with primary and secondary seals | AQR 13.3 AQR 14.2 |
| A27 | 501 | Internal Floating Roof with primary and secondary seals | N/A |
| A28 | 523 | Internal Floating Roof with primary and secondary seals | AQR 13.3 |
| A29 | 544 | Internal Floating Roof with primary and secondary seals | AQR 13.3 AQR 14.2 |
| A47 | 550 | Internal Floating Roof with primary and secondary seals | AQR 13.3 |
| A48 | 551 | Internal Floating Roof with primary and secondary seals | AQR 13.3 |
| A56 | 513 | Internal Floating Roof with primary and secondary seals | N/A |
| A14 | 542 | Internal Floating Roof with primary seal | N/A |
| A15 | 543 | Internal Floating Roof with primary seal | N/A |
| A12 | 541 | Domed External Floating Roof with primary and secondary seals | AQR 13.3 |
| A45 | 548 | Domed External Floating Roof with primary and secondary seals | AQR 13.3 |
| A46 | 549 | Domed External Floating Roof with primary and secondary seals | AQR 13.3 |
| A19 | 525 | Fixed Roof | N/A |
| A20 | 526 | Fixed Roof | N/A |
| A22 | 512 | Fixed Roof | N/A |
| A25 | ASA Conductivity Improver | Fixed Roof | N/A |
| A26 | 500-AIA | Fixed Roof | N/A |
| A30 | 533-A | Fixed Roof | N/A |
| A31 | 537-A | Fixed Roof | N/A |
| A32 | 541-A | Fixed Roof | N/A |
| A33 | 541-B | Fixed Roof | N/A |
| A34 | 542-D | Fixed Roof | N/A |
| A35 | 542-A | Fixed Roof | N/A |
| A36 | 531-A | Fixed Roof | N/A |
| A37 | 542-C | Fixed Roof | N/A |
| A38 | 537-B | Fixed Roof | N/A |
| A39 | 531-B | Fixed Roof | N/A |
| A53 | 548-B | Fixed Roof | N/A |
| A54 | 548-A | Fixed Roof | N/A |

[†] Some tanks may not have an applicable requirement due to construction year, tank size, and/or product stored.

(b) — The owner or operator shall operate the loading racks (EU: B01):

- ~~(1) With a vapor recovery unit (VRU) (EU: B02) during loading;~~
- ~~(2) With a flare (EU: B10) as backup if the VRU is inoperable; and~~
- ~~(3) In compliance with tanker loading requirements to minimize leaks, spills, and fugitive emissions.~~
- ~~(c) The owner or operator shall operate and maintain the soil vapor extraction and groundwater treatment system (EU: SR04):~~
 - ~~(1) Using a control device capable of 98.5% VOC destruction efficiency;~~
 - ~~(2) Using only propane as the auxiliary fuel;~~
 - ~~(3) At a temperature specified by the manufacturer; and~~
 - ~~(4) In accordance with the manufacturer's O&M manual.~~
- ~~(d) The owner or operator shall operate the vapor phase carbon adsorber (Fluidized Bed Reactor) such that it demonstrates a minimum control efficiency of 95% or a maximum outlet VOC emissions concentration of 100 parts per million volume (ppmv).~~

121.6.2 RACT Monitoring Requirements

The owner or operator shall:

- ~~(a) Visually inspect and monitor all storage tanks listed in Table 1 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 the CEMS for VOC;~~
 - ~~(2) Require QA procedures for the CEMS;~~
 - ~~(3) Conduct a RATA of the VOC CEMS;~~
 - ~~(4) Monitor CEMS VOC data; and~~
 - ~~(5) Demonstrate compliance with VOC emissions limits.~~
- ~~(d) For fugitive components (EU: B06):~~
 - ~~(1) Monitor for leaks; and~~

- ~~(2) — Inspect daily for leaks (e.g., by sight, sound, and/or smell).~~
- ~~(e) — Monitor the flare (EU: B10) and visually inspect flame quality; and~~
- ~~(f) — Monitor the soil vapor extraction and groundwater treatment system (EU: SR04) for use of auxiliary fuel.~~

~~121.6.3 — RACT Testing Requirements~~

The owner or operator shall:

- ~~(a) — Conduct subsequent performance testing every five years (EUs: B02 and SR04) after the initial performance test;~~
- ~~(b) — Conduct a performance test when a combustion unit is operated for either the soil vapor extraction or the groundwater treatment system (EU: SR04); and~~
- ~~(c) — Determine compliance with emissions limitations (EUs: B02 and SR04).~~

~~121.6.4 — RACT Recordkeeping and Reporting Requirements~~

The owner or operator shall:

- ~~(a) — Maintain records of hours of operation for the flare (EU: B10);~~
- ~~(b) — For the VRU (EU: B02), maintain records of:
 - ~~(1) — QA procedures;~~
 - ~~(2) — GEMS audit and calibration results, along with any corrective actions taken;~~
 - ~~(3) — The time, duration, nature, and probable cause of any GEMS downtime, and of any corrective actions taken; and~~
 - ~~(4) — GEMS VOC data.~~~~
- ~~(c) — Submit performance test reports;~~
- ~~(d) — Submit an annual emissions inventory report; and~~
- ~~(e) — Submit an annual compliance certification.~~

~~121.7 — NELLIS AIR FORCE BASE (SOURCE ID: 00114)~~

~~121.7.1 — RACT Control Requirements~~

The owner or operator shall implement the following RACT controls.

- ~~(a) The owner or operator shall operate and maintain the continuous-duty engine (EU: A032):
 - ~~(1) With a turbocharger and ITR;~~
 - ~~(2) In compliance with the emissions limits and requirements of federal regulations incorporated by reference in AQR 14.2; and~~
 - ~~(3) Using GCP and GMP, to include operating the units in accordance with the manufacturer's operations and maintenance (O&M) manual.~~~~
- ~~(b) The owner and operator shall operate and maintain the emergency engines (EUs: G009, G010, G032, G033, G041, and G176):
 - ~~(1) With turbochargers and aftercoolers; and~~
 - ~~(2) Using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual.~~~~
- ~~(c) The owner or operator shall operate and maintain the aircraft engine test cells (EUs: N001 and N002) using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual.~~

~~121.7.2 RACT Monitoring, Recordkeeping, and Reporting Requirements~~

The owner or operator shall:

- ~~(a) Monitor and record the hours of operation of each engine;~~
- ~~(b) Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(a) Submit an annual emissions inventory report; and~~
- ~~(b) Submit an annual compliance certification.~~

~~121.8 CAESARS ENTERTAINMENT (SOURCE ID: 00257)~~

~~121.8.1 RACT Control Requirements~~

The owner or operator shall implement the following RACT controls.

- ~~(a) The owner or operator shall operate and maintain the emergency engines listed in Table 2:
 - ~~(1) With turbochargers and aftercoolers, as identified in the table;~~~~

~~(2) In compliance with the emissions limits and requirements of federal regulations incorporated by reference in AQR 14.2, as identified in the table; and~~

~~(3) Using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual.~~

Table 2. Emergency Engine Equipment and Regulatory Requirements

| EU | Equipment | | Applicable Requirement AQR 14.2 |
|------|--------------|-------------|---------------------------------|
| | Turbocharger | Aftercooler | |
| CP13 | X | X | — |
| CP14 | X | X | — |
| CP15 | X | X | — |
| CP16 | X | X | — |
| CP17 | X | X | — |
| CP28 | X | X | X |
| CP29 | X | X | X |
| PA17 | X | X | — |
| PA18 | X | X | — |
| IP08 | X | X | — |
| IP09 | X | X | — |
| PH10 | X | X | — |
| PH11 | X | X | — |
| PH12 | X | X | — |
| PH13 | X | X | X |
| LI06 | X | X | — |
| LI07 | X | X | — |
| HA13 | X | — | — |
| HA14 | X | X | — |
| HA18 | X | X | — |
| FL09 | X | X | — |
| FL10 | X | X | — |
| BA04 | X | X | — |
| BA05 | X | X | — |
| BA11 | X | X | — |
| BA12 | X | X | — |
| GR07 | X | X | X |

~~(b) The owner or operator shall operate and maintain all boilers (EUs: CP01–CP05) using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual, and:~~

- ~~(1) — Ensure EUs: CP01 and CP02 are operated and maintained with burners that have a manufacturer’s maximum emissions concentration of 29 ppm NO_x, corrected to 3% oxygen.~~
- ~~(2) — Ensure EUs: CP03, CP04, and CP05 are operated and maintained with burners that have a manufacturer’s maximum emissions concentration of 30 ppm NO_x, corrected to 3% oxygen.~~

~~121.8.2 — RACT Testing Requirements~~

The owner or operator shall:

- ~~(a) — Conduct a burner efficiency test on each boiler (EUs: CP01–CP05);~~
- ~~(b) — Conduct a performance test on each boiler once every five years (EUs: CP01–CP05); and~~
- ~~(c) — Determine compliance with emissions limitations (EUs: CP01–CP05).~~

~~121.8.3 — RACT Monitoring, Recordkeeping, and Reporting Requirements~~

The owner or operator shall:

- ~~(a) — Monitor and maintain records of the hours of operation of each engine;~~
- ~~(b) — Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(c) — Maintain records of each burner efficiency test result;~~
- ~~(d) — Maintain records of performance test results;~~
- ~~(e) — Submit performance test reports;~~
- ~~(f) — Submit an annual emissions inventory report; and~~
- ~~(g) — Submit an annual compliance certification.~~

~~121.9 — SAGUARO POWER COMPANY (SOURCE ID: 00393)~~

~~121.9.1 — RACT Control Requirements~~

The owner or operator shall implement the following RACT controls.

- ~~(a) — The owner or operator shall, for the turbine generator (EUs: A01 and A02), including duct burners (EUs: F05, F05a, F06, and F06a):~~
 - ~~(1) — Limit NO_x emissions to 10 ppmvd at 15% O₂, excluding startup and shutdown;~~

- ~~(2) — Limit NO_x emissions to an emissions rate of 66 lb/hr during startup and shutdown; and~~
- ~~(3) — Operate and maintain the units using GCP during startup, shutdown, and other non-normal operations, to include operating the units in accordance with the manufacturer's O&M manual.~~
- ~~(b) — The owner and operator shall operate and maintain the auxiliary boilers #1 and #2 (EUs: A05 and A06) using GCP during startup, shutdown, and other non-normal operations, to include operating the unit in accordance with the manufacturer's O&M manual, and:
 - ~~(1) — Limit NO_x emissions from EU: A05 to 12 ppmvd at 3% O₂, excluding startup and shutdown operations; and~~
 - ~~(2) — Limit NO_x emissions from EU: A06 to 30 ppmvd at 3% O₂, excluding startup and shutdown operations.~~~~

~~121.9.2 — RACT Monitoring Requirements~~

The owner or operator shall:

- ~~(a) — For the turbine generators (EUs: A01–A02) and auxiliary boiler #1 (EU: A05):
 - ~~(1) — Install, calibrate, maintain, operate, and certify GEMS for NO_x;~~
 - ~~(2) — Require periodic audit procedures and QA/QC procedures for the GEMS;~~
 - ~~(3) — Conduct RATA of the NO_x GEMS;~~
 - ~~(4) — Monitor GEMS NO_x data;~~
 - ~~(5) — Monitor the occurrences and durations of startup/shutdown cycles; and~~
 - ~~(6) — Demonstrate compliance with NO_x emissions limits.~~~~
- ~~(b) — Monitor the hours of operation of the auxiliary boiler #2 (EU: A06).~~

~~121.9.3 — RACT Testing Requirements~~

After initial performance testing, the owner or operator shall:

- ~~(a) — Conduct a burner efficiency test on each boiler (EUs: A05 and A06);~~
- ~~(b) — Conduct a subsequent performance test on the boiler (EU: A06) every five years; and~~

~~(c) Determine compliance with emissions limitations (EU: A05 and A06).~~

~~121.9.4 RACT Recordkeeping and Reporting Requirements~~

~~The owner or operator shall:~~

- ~~(a) Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(b) Maintain records of the date, time, and duration of each startup and shutdown cycle of each turbine generator and auxiliary boiler;~~
- ~~(c) Maintain records of the quantity of combined fuel input of natural gas, along with hydrogen fuel if applicable for the auxiliary boiler #1 (EU: A05);~~
- ~~(d) Maintain records of hours of operation and quantity of natural gas fuel input for the auxiliary boiler #2 (EU: A06);~~
- ~~(e) Maintain records of each burner efficiency test result;~~
- ~~(f) Maintain records of performance test results;~~
- ~~(g) For the stationary gas turbines (EUs: A01 and A02) and auxiliary boiler #1 (EU: A05) maintain records of:
 - ~~(1) QA/QC procedure;~~
 - ~~(2) CEMS audit and calibration results, along with any corrective actions taken;~~
 - ~~(3) The time, duration, nature, and probable cause of any CEMS downtime, and of any corrective actions taken; and~~
 - ~~(4) CEMS VOC and NOx data.~~~~
- ~~(h) Submit performance test reports;~~
- ~~(i) Submit an annual emissions inventory report; and~~
- ~~(j) Submit an annual compliance certification.~~

~~121.10 NEVADA ENERGY—SUN PEAK GENERATING STATION (SOURCE ID: 00423)~~

~~121.10.1 RACT Control Requirements~~

~~The owner or operator shall implement the following RACT controls for Units 3–5 (EUs: A01–A03):~~

- ~~(a) — Limit NO_x emissions to an emissions rate of 42 ppm at 15% O₂ while burning natural gas fuel, excluding startup and shutdown;~~
- ~~(b) — Limit NO_x emissions to an emissions rate of 65 ppmvd at 15% O₂ while burning #2 diesel fuel, excluding startup and shutdown;~~
- ~~(c) — Limit NO_x emissions to an emissions rate of 94 ppmvd at 15% O₂ while burning natural gas fuel during startup and shutdown;~~
- ~~(d) — Limit NO_x emissions to an emission rate of 227 lb/hr while burning #2 diesel fuel during startup and shutdown;~~
- ~~(e) — The units shall be determined to be compliant using the existing CEMS on each one; and~~
- ~~(f) — Operate and maintain the units in accordance with GCP during startup, shutdown, and other non-normal operations, to include operating the units in accordance with the manufacturer's O&M manual.~~

~~121.10.2 — RACT Monitoring Requirements~~

~~The owner or operator shall:~~

- ~~(a) — Install, calibrate, maintain, operate, and certify CEMS for NO_x;~~
- ~~(b) — Require periodic audit procedures and QA/QC procedures for the CEMS;~~
- ~~(c) — Conduct RATA of the NO_x CEMS;~~
- ~~(d) — Monitor CEMS NO_x data;~~
- ~~(e) — Monitor the occurrences and durations of startup/shutdown cycles; and~~
- ~~(f) — Demonstrate compliance with NO_x emissions limits.~~

~~121.10.3 — RACT Recordkeeping and Reporting Requirements~~

~~The owner or operator shall:~~

- ~~(a) — Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(b) — Maintain records of hours of operation for the turbine generators;~~
- ~~(c) — Maintain records of the date, time, and duration of each startup and shutdown cycle of each turbine generator;~~
- ~~(d) — For the turbine generators, maintain records of:~~

- ~~(1) QA/QC procedure;~~
- ~~(2) CEMS audit and calibration results, along with any corrective actions taken;~~
- ~~(3) The time, duration, nature, and probable cause of any CEMS downtime, and of any corrective actions taken; and~~
- ~~(4) CEMS NO_x data.~~
- ~~(e) Submit an annual emissions inventory report; and~~
- ~~(f) Submit an annual compliance certification.~~

~~**121.11 MGM RESORTS INTERNATIONAL (SOURCE ID: 00825)**~~

~~**121.11.1 RACT Control Requirements**~~

~~The owner or operator shall implement the following RACT controls.~~

- ~~(a) The owner or operator shall operate and maintain the boilers (EUs: MG13 and MG14):~~
 - ~~(1) With burners that have a manufacturer's maximum emissions concentration of 40 ppmv NO_x, corrected to 3% oxygen;~~
 - ~~(2) Using only pipeline-quality natural gas; and~~
 - ~~(3) Using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual.~~
- ~~(b) The owner or operator shall operate and maintain the emergency engines listed in Table 3:~~
 - ~~(1) With turbochargers and aftercoolers, as identified in the table;~~
 - ~~(2) In compliance with the emissions limits and requirements of federal regulations incorporated by reference in AQR 14.2, as identified in the table; and~~
 - ~~(3) Using GCP and GMP, to include operating the units in accordance with the manufacturer's O&M manual.~~

Table 3. Emergency Engine Equipment and Regulatory Requirements: MGM Resorts

| EU | Equipment | | Applicable Requirement: AQR 14.2 |
|-------|--------------|--------------|-------------------------------------|
| | Turbocharger | Aftercooler | |
| MG17 | X | X | — |
| MG18 | X | X | — |
| MG19 | X | X | — |
| MG20 | X | X | — |
| MG21 | X | X | — |
| MG22 | X | X | — |
| MG23 | X | X | — |
| MC019 | X | X | — |
| MC020 | X | X | — |
| MB064 | X | X | — |
| MB062 | X | X | — |
| MB063 | X | X | — |
| MB066 | X | X | — |
| MB067 | X | X | — |
| MB093 | X | X | — |
| EX007 | X | Not required | — |
| EX008 | X | Not required | — |
| EX009 | X | Not required | — |
| EX010 | X | Not required | — |
| BE80 | X | X | — |
| BE81 | X | X | — |
| BE82 | X | X | — |
| BE83 | X | X | — |
| BE84 | X | X | — |
| BE85 | X | X | — |
| BE86 | X | X | — |
| BE87 | X | X | — |
| BE88 | X | X | — |
| LX009 | X | X | — |
| LX010 | X | X | — |
| LX011 | X | X | — |
| LX024 | X | X | X |
| LX025 | X | X | X |
| NY27 | X | Not required | — |
| NY28 | X | Not required | — |

| EU | Equipment | | Applicable Requirement: AQR-14.2 |
|-------|--------------|--------------|-------------------------------------|
| | Turbocharger | Aftercooler | |
| NY29 | X | Not required | — |
| CC009 | X | X | — |
| CC010 | X | X | — |
| CC011 | X | X | — |
| CC012 | X | X | — |
| CC013 | X | X | — |
| CC014 | X | X | — |
| CC015 | X | X | — |
| TBA15 | X | X | X |
| TBB15 | X | X | X |
| TM01 | Not required | Not required | X |

~~121.11.2 RACT Testing Requirements~~

The owner or operator shall:

- ~~(a) Conduct a burner efficiency test on each boiler (EUs: MG13 and MG14);~~
- ~~(b) Conduct a performance test on each boiler once every five years (EUs: MG13 and MG14); and~~
- ~~(c) Determine compliance with emissions limitations (EUs: MG13 and MG14).~~

~~121.11.3 RACT Monitoring, Recordkeeping, and Reporting Requirements~~

The owner or operator shall:

- ~~(a) Maintain records of required reporting, including records of all inspections, maintenance, and repairs;~~
- ~~(b) For each boiler:

 - ~~(1) Monitor and maintain records of the hours of operation;~~
 - ~~(2) Monitor, maintain records of, and report the natural gas consumption of each one;~~
 - ~~(3) Maintain records of burner efficiency test results; and~~
 - ~~(4) Maintain records of performance test results.~~~~

- ~~(c) Monitor and maintain records of hours of operation for the engines listed in Table 3;~~
- ~~(d) Submit performance test reports;~~
- ~~(e) Submit an annual emissions inventory report; and~~
- ~~(f) Submit an annual compliance certification.~~

~~121.12 SWITCH—WEST CAMPUS (SOURCE ID: 16304)~~

~~121.12.1 RACT Control Requirements~~

~~The owner or operator shall implement the following RACT controls:~~

- ~~(a) The owner or operator shall operate and maintain the engines (EUs: A02–A29; A32–A34; C01–C24; G01–G24; E01–E18; J01–J19; and L01–L02):~~
 - ~~(1) With turbochargers and aftercoolers, except EU: J19;~~
 - ~~(2) In compliance with the emissions limits and requirements of federal regulations incorporated by reference in AQR 14.2; and~~
 - ~~(3) In accordance with the manufacturer's O&M manual.~~

~~121.12.2 RACT Monitoring, Recordkeeping, and Reporting Requirements~~

~~The owner or operator shall:~~

- ~~(a) Monitor and maintain records of hours of operation of each engine;~~
- ~~(b) Monitor each engine for average NO_x emissions;~~
- ~~(c) Submit an annual emissions inventory report; and~~
- ~~(d) Submit an annual compliance certification.~~

ATTACHMENT 1

| EU | Rating | Manufacturer | Model | Serial Number |
|---|------------|------------------|-----------------|---------------|
| NV Energy: Clark Generating Station (Source ID: 00007) | | | | |
| A00704D (UNIT 4) | 60 MW | General Electric | 7B (7000) | N/A |
| A00701A (UNIT 5) | 85 MW | Westinghouse | 501B6 | N/A |
| A00702B (UNIT 6) | 85 MW | Westinghouse | 501B6 | N/A |
| A00705 (UNIT 7) | 85 MW | Westinghouse | 501B6 | N/A |
| A00708 (UNIT 8) | 85 MW | Westinghouse | 501B6 | N/A |
| A27 (UNIT 11) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A28 (UNIT 12) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A29 (UNIT 13) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A30 (UNIT 14) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A31 (UNIT 15) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A32 (UNIT 16) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A33 (UNIT 17) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A34 (UNIT 18) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A35 (UNIT 19) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A36 (UNIT 20) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A37 (UNIT 21) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| A38 (UNIT 22) | 57.9 MW | Pratt & Whitney | FT8-3 Swift Pac | N/A |
| CalNev Pipe Line (Source ID: 00013) | | | | |
| A01 | 11,200 bbl | N/A | N/A | N/A |
| A02 | 12,890 bbl | N/A | N/A | N/A |
| A03 | 8,080 bbl | N/A | N/A | N/A |
| A04 | 11,330 bbl | N/A | N/A | N/A |
| A05 | 8,080 bbl | N/A | N/A | N/A |
| A06 | 8,080 bbl | N/A | N/A | N/A |
| A07 | 17,550 bbl | N/A | N/A | N/A |
| A08 | 22,250 bbl | N/A | N/A | N/A |
| A09 | 11,330 bbl | N/A | N/A | N/A |
| A10 | 11,330 bbl | N/A | N/A | N/A |
| A11 | 16,320 bbl | N/A | N/A | N/A |
| A12 | 25,100 bbl | N/A | N/A | N/A |
| A13 | 18,000 bbl | N/A | N/A | N/A |
| A14 | 45,000 bbl | N/A | N/A | N/A |
| A15 | 35,000 bbl | N/A | N/A | N/A |
| A16 | 37,000 bbl | N/A | N/A | N/A |
| A17 | 40,000 bbl | N/A | N/A | N/A |
| A19 | 50,000 bbl | N/A | N/A | N/A |

| EU | Rating | Manufacturer | Model | Serial Number |
|---|-------------------------|---------------------|--------------|----------------------|
| A20 | 50,000-bbl | N/A | N/A | N/A |
| A21 | 50,000-bbl | N/A | N/A | N/A |
| A22 | 50,000-bbl | N/A | N/A | N/A |
| A23 | 40,000-bbl | N/A | N/A | N/A |
| A24 | 40,000-bbl | N/A | N/A | N/A |
| A25 | 1.3-bbl | N/A | N/A | N/A |
| A26 | 252-bbl | N/A | N/A | N/A |
| A27 | 4,000-bbl | N/A | N/A | N/A |
| A28 | 10,000-bbl | N/A | N/A | N/A |
| A29 | 11,000-bbl | N/A | N/A | N/A |
| A30 | 252-bbl | N/A | N/A | N/A |
| A31 | 464-bbl | N/A | N/A | N/A |
| A32 | 380-bbl | N/A | N/A | N/A |
| A33 | 380-bbl | N/A | N/A | N/A |
| A34 | 215-bbl | N/A | N/A | N/A |
| A35 | 143-bbl | N/A | N/A | N/A |
| A36 | 143-bbl | N/A | N/A | N/A |
| A37 | 12-bbl | N/A | N/A | N/A |
| A38 | 447-bbl | N/A | N/A | N/A |
| A39 | 119-bbl | N/A | N/A | N/A |
| A45 | 12,890-bbl | N/A | N/A | N/A |
| A46 | 12,890-bbl | N/A | N/A | N/A |
| A47 | 20,000-bbl | N/A | N/A | N/A |
| A48 | 10,100-bbl | N/A | N/A | N/A |
| A53 | 238-bbl | N/A | N/A | N/A |
| A54 | 238-bbl | N/A | N/A | N/A |
| A56 | 50,000-bbl | N/A | N/A | N/A |
| B01 (Loading Rack) | 35,379,927-bbl per year | N/A | N/A | N/A |
| B02 (VRU) | N/A | John Zink | N/A | N/A |
| B06 (Piping and Fittings) | N/A | N/A | N/A | N/A |
| B10 (Flare) | N/A | N/A | N/A | N/A |
| SR04 (SVE/GW treatment) | N/A | N/A | N/A | N/A |
| Nellis Air Force Base (Source ID: 00114) | | | | |
| A032 | 250-bhp | Cummins | M11 | 60425136 |
| G009 | 1635-bhp | Mitsubishi | PS6 | 12588 |
| G010 | 1350-bhp | Cummins | QST30-G3 | 37205939 |
| G032 | 1586-bhp | Caterpillar | 3512 | 24Z04354 |

| EU | Rating | Manufacturer | Model | Serial Number |
|---|--------------------|---------------------|--------------|----------------------|
| G033 | 1586 bhp | Caterpillar | 3512 | 24Z04354 |
| G041 | 1220 bhp | Gummins | KTA38-G3 | 33120700 |
| G176 | 2220 bhp | Gummins | GKS50-G4NR2 | TPD |
| N001 | N/A | Custom Bldg | N/A | N/A |
| N002 | N/A | Custom Bldg | N/A | N/A |
| Caesars Entertainment (Source ID: 00257) | | | | |
| CP01 | 35.40 MMBtu/hr | Hurst | S4-G-800-150 | S4000-150-18 |
| CP02 | 35.40 MMBtu/hr | Hurst | S4-G-800-150 | S4000-150-19 |
| CP03 | 33.475 MMBtu/hr | Burnham | 3P80050GBNM | 12524 |
| CP04 | 33.475 MMBtu/hr | Burnham | 3P80050GBNM | 12164 |
| CP05 | 33.475 MMBtu/hr | Burnham | 3P80050GBNM | 12238 |
| CP13 | 2,876 hp | Caterpillar | 3516 | 8DM00558 |
| CP14 | 2,876 hp | Caterpillar | 3516 | 6HN00154 |
| CP15 | 2,520 hp | Caterpillar | 3516 | 25Z05223 |
| CP16 | 1,818 hp | Caterpillar | 3512 | 24Z06413 |
| CP17 | 2,876 hp | Caterpillar | 3516 | 6HN00199 |
| CP28 | 2,937 hp | Caterpillar | 3516CDITA | SBJ00672 |
| CP29 | 2,937 hp | Caterpillar | 3516CDITA | SBJ00673 |
| PA17 | 2,816 hp | Gummins | CW73-G | 66300058 |
| PA18 | 2,816 | Gummins | CW73-G | 66300040 |
| IP08 | 755 hp | Caterpillar | 3412 | 81Z04033 |
| IP09 | 890 hp | Caterpillar | 3412 | 81Z08595 |
| PH10 | 2,550 hp | MTU/Detroit Diesel | T1637K16 | 5272000427 |
| PH11 | 2,550 hp | MTU/Detroit Diesel | T1637K16 | 5272000397 |
| PH12 | 2,550 hp | MTU/Detroit Diesel | T1637K16 | 5272000424 |
| PH13 | 2,560 hp | MTU/Detroit Diesel | T1238A36 | 5262003725 |
| LI06 | 2,937 hp | Caterpillar | 3516G | SBJ01461 |
| LI07 | 2,937 hp | Caterpillar | 3516G | SBJ01460 |
| HA13 | 1,232 hp | Caterpillar | 81637416 | 16VF007962 |
| HA14 | 890 hp | Caterpillar | 3412 | 81Z09924 |
| HA18 | 1,180 hp | Caterpillar | 3412 | 2WJ00740 |
| FL09 | 1,109 hp | Caterpillar | 3412 | 2WJ02570 |
| FL10 | 1,109 hp | Caterpillar | 3412 | 2WJ02570 |
| BA04 | 1,340 hp | Detroit Diesel | 9163-7305 | 16E0006591 |
| BA05 | 1,340 hp | Detroit Diesel | 9163-7305 | 16E0006592 |
| BA11 | 1,340 hp | Detroit Diesel | 7243-7406 | 24VA001710 |

| EU | Rating | Manufacturer | Model | Serial Number |
|--|-------------------|---------------------|-----------------|----------------------|
| BA12 | 1,340 hp | Detroit Diesel | 7243-7406 | 24VA001728 |
| CR07 | 2,206 hp | Caterpillar | 3512C | EBG01274 |
| Saguaro Power Company (Source ID: 00393) | | | | |
| A01 | 35 MW | General Electric | PG6541B | 295525 |
| A02 | 35 MW | General Electric | PG6541B | 295524 |
| A05 | 218 MMBtu/hr | Indeck/Volcano | 0-7-2000 | N/A |
| A06 | 86 MMBtu/hr | Nebraska | NOS 2A/S-55 | 032-88 |
| F05-w/ A01 | 25 MMBtu/hr | John Zink | LDR-11-LE | S82733 |
| F05a-w/ A01 | 25 MMBtu/hr | John Zink | LDR-11-LE | S82733 |
| F06-w/ A02 | 25 MMBtu/hr | John Zink | LDR-11-LE | S82733 |
| F06a-w/ A02 | 25 MMBtu/hr | John Zink | LDR-11-LE | S82733 |
| NV Energy: Sun Peak Generating Station (Source ID: 00423) | | | | |
| A01 (Unit 3) | 84.5 MW | General Electric | PG7111-EA | N/A |
| A02 (Unit 4) | 84.5 MW | General Electric | PG7111-EA | N/A |
| A03 (Unit 5) | 84.5 MW | General Electric | PG7111-EA | N/A |
| MGM Resorts International (Source ID: 00825) | | | | |
| MG13 | 32.66 MMBtu/hr | Cleaver Brooks | CBLE700-800-200 | OL097510 |
| MG14 | 32.66 MMBtu/hr | Cleaver Brooks | CBLE700-800-200 | OL096895 |
| MG17 | 2,520 hp | Caterpillar | 3516TA | 25Z02910 |
| MG18 | 2,520 hp | Caterpillar | 3516TA | 25Z02931 |
| MG19 | 2,520 hp | Caterpillar | 3516TA | 25Z02927 |
| MG20 | 2,520 hp | Caterpillar | 3516TA | 25Z02913 |
| MG21 | 2,520 hp | Caterpillar | 3516TA | 25Z02929 |
| MG22 | 2,520 hp | Caterpillar | 3516TA | 25Z02932 |
| MG23 | 2,520 hp | Caterpillar | 3516TA | 25Z02916 |
| MG019 | 2,172 hp | Caterpillar | 3512 | 6WN00081 |
| MG020 | 2,172 hp | Caterpillar | 3512 | 6WN00082 |
| MB061 | 2,168 hp | Caterpillar | 3516-DITA | 25Z06027 |
| MB062 | 2,168 hp | Caterpillar | 3516-DITA | 25Z02994 |
| MB063 | 2,168 hp | Caterpillar | 3516-DITA | 25Z03002 |
| MB066 | 2,518 hp | Caterpillar | 3516-DITA | 3NS00234 |
| MB067 | 2,220 hp | Cummins | KTA50-G9 | 33146939 |
| MB093 | 2,172 hp | Caterpillar | 3512 | 4GZ01339 |
| EX007 | 1,592 hp | Caterpillar | 3512 | 24Z02774 |
| EX008 | 1,592 hp | Caterpillar | 3512 | 24Z02784 |
| EX009 | 1,592 hp | Caterpillar | 3512 | 24Z02770 |
| EX010 | 1,592 hp | Caterpillar | 3512 | 24Z02753 |

| EU | Rating | Manufacturer | Model | Serial Number |
|--|---------------|---------------------|--------------|----------------------|
| BE80 | 2,520 hp | Caterpillar | 3416 | 25Z05330 |
| BE81 | 2,520 hp | Caterpillar | 3416 | 25Z05335 |
| BE82 | 2,520 hp | Caterpillar | 3416 | 25Z05333 |
| BE83 | 2,520 hp | Caterpillar | 3416 | 25Z05332 |
| BE84 | 2,520 hp | Caterpillar | 3416 | 25Z05339 |
| BE85 | 2,520 hp | Caterpillar | 3416 | 25Z05338 |
| BE86 | 2,520 hp | Caterpillar | 3416 | 25Z05340 |
| BE87 | 2,520 hp | Caterpillar | 3416 | 4LZ00545 |
| BE88 | 2,520 hp | Caterpillar | 3416 | 4LZ00546 |
| LX009 | 2,168 hp | Caterpillar | 3516TA | 25Z03005 |
| LX010 | 2,168 hp | Caterpillar | 3516TA | 25Z02998 |
| LX011 | 2,168 hp | Caterpillar | 3516TA | 25Z02999 |
| LX024 | 2,206 hp | Caterpillar | 3512C | EGB00199 |
| LX025 | 2,206 hp | Caterpillar | 3512C | EGB00203 |
| NY27 | 1,818 hp | Caterpillar | 3512TA | 24Z06937 |
| NY28 | 1,818 hp | Caterpillar | 3512TA | 24Z06932 |
| NY29 | 1,818 hp | Caterpillar | 3512TA | 24Z06934 |
| CC009 | 3,622 hp | Caterpillar | 3516C | SBK00196 |
| CC010 | 3,622 hp | Caterpillar | 3516C | SBK00197 |
| CC011 | 3,622 hp | Caterpillar | 3516C | SBK00198 |
| CC012 | 2,937 hp | Caterpillar | 3516C | SBJ00378 |
| CC013 | 2,937 hp | Caterpillar | 3516C | SBJ00379 |
| CC014 | 2,937 hp | Caterpillar | 3516C | SBJ00380 |
| CC015 | 2,937 hp | Caterpillar | 3516C | SBJ00382 |
| TBA15 | 1,180 hp | Caterpillar | 3412CTA | 4EZ07104 |
| TBB15 | 2,520 hp | Caterpillar | 3516-BTA | GZR00237 |
| TM01 | 3,701 hp | Caterpillar | 3516DITA | DD501118 |
| Switch–West Campus (Source ID: 16304) | | | | |
| A02 | 3,353 hp | Detroit Diesel | 2250-DSEC | 2185979 |
| A03 | 3,353 hp | Detroit Diesel | 744RSL5163 | WA-6006372-1219 |
| A04 | 3,353 hp | Detroit Diesel | 2250-DSEC | 2185985 |
| A05 | 3,353 hp | Detroit Diesel | 2250-DSEC | 2183861 |
| A06 | 3,353 hp | Detroit Diesel | 2250-DSEC | 2183870 |
| A07 | 3,353 hp | Detroit Diesel | 2250RXC6DT2 | 176196-1-2-0608 |
| A08 | 3,353 hp | Detroit Diesel | 2250RXC6DT2 | 175966-1-2-0608 |
| A09 | 3,353 hp | Detroit Diesel | 2250RXC6DT2 | 175966-1-3-0608 |
| A10 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 330055-1-2-0311 |
| A11 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 330055-1-3-0311 |
| A12 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 330055-1-1-0311 |

| EU | Rating | Manufacturer | Model | Serial Number |
|-----------|---------------|---------------------|---------------|----------------------|
| A13 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 333726-1-1-0811 |
| A14 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 333726-2-2-0811 |
| A15 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 333726-2-1-0811 |
| A16 | 3,353 hp | Marathon Electric | 2250RXC6DT2 | 334657-1-1-0811 |
| A17 | 3,353 hp | Marathon Electric | 2250RXC6DT2 | 341530-1-1-0112 |
| A18 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 341565-1-3-0212 |
| A19 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369767-1-1-0214 |
| A20 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 341565-1-1-0212 |
| A24 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 346646-1-0512 |
| A22 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348117-1-3-0812 |
| A23 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348117-1-1-1112 |
| A24 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 356251-1-4-0213 |
| A25 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 346646-1-2-0512 |
| A26 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348117-1-2-0812 |
| A27 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 36251-1-1-0213 |
| A28 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 356251-1-2-0213 |
| A29 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 356251-1-3-0213 |
| A32 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369338-1-3-0114 |
| A33 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369338-1-1-0114 |
| A34 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369338-1-2-0114 |
| G01 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348116-1-1-0712 |
| G02 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348116-1-2-0712 |
| G03 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 348116-1-3-0712 |
| G04 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 360838-1-3-0713 |
| G05 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 360838-1-1-0713 |
| G06 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 360838-1-2-0713 |
| G07 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 365276-1-1-1013 |
| G08 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 365276-1-2-1013 |
| G09 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 365276-1-3-1013 |
| G10 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369877-1-10514 |
| G11 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369877-1-1-0614 |
| G12 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369877-1-2-0614 |
| G13 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 370421-1-1-0514 |
| G14 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 370421-1-2-0514 |
| G15 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 370421-1-3-0514 |
| G16 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 341565-1-2-0212 |
| G17 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369767-1-3-0214 |
| G18 | 3,353 hp | Marathon Electric | 2250LXC6DT2 | 369767-1-2-0214 |
| G19 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500170 |

| EU | Rating | Manufacturer | Model | Serial Number |
|-----------|---------------|---------------------|------------------|----------------------|
| G20 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500168 |
| G24 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500169 |
| G22 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500326 |
| G23 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500327 |
| G24 | 3,353 hp | Marathon Electric | 16V4000DS2250 | 95030500325 |
| G01 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500461 |
| G02 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500157 |
| G03 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500463 |
| G04 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500158 |
| G05 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500494 |
| G06 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500159 |
| G07 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500628 |
| G08 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500331 |
| G09 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500631 |
| G10 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500330 |
| G11 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500634 |
| G12 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500332 |
| G13 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500256 |
| G14 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500483 |
| G15 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500255 |
| G16 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500484 |
| G17 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500249 |
| G18 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500485 |
| G19 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500557 |
| G20 | 3,353 hp | Marathon Electric | MTU16V4000DS2250 | 95030500626 |

| EU | Rating | Manufacturer | Model | Serial Number |
|-----------|---------------|---------------------|----------------------|----------------------|
| G24 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500555 |
| G22 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500624 |
| G23 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500625 |
| G24 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500698 |
| E01 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500632 |
| E02 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500493 |
| E03 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500627 |
| E04 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500462 |
| E05 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500633 |
| E06 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500492 |
| E07 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500703 |
| E08 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500701 |
| E09 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500700 |
| E10 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500702 |
| E11 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500766 |
| E12 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500699 |
| E13 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501092 |
| E14 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501091 |
| E15 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501098 |
| E16 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501065 |
| E17 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501068 |
| E18 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030501064 |
| J01 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500919 |

| EU | Rating | Manufacturer | Model | Serial Number |
|-----------|---------------|---------------------|----------------------|----------------------|
| J02 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500920 |
| J03 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500921 |
| J04 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500926 |
| J05 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500925 |
| J06 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500927 |
| J07 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000210 |
| J08 | 3,353 hp | Detroit Diesel | N/A | 5482000194 |
| J09 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000209 |
| J10 | 3,353 hp | Detroit Diesel | N/A | 5482000192 |
| J11 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000208 |
| J12 | 3,353 hp | Detroit Diesel | N/A | 5482000190 |
| J13 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000212 |
| J14 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000211 |
| J15 | 3,353 hp | Detroit Diesel | 16V4000G83 | 5482000207 |
| J16 | 3,353 hp | Detroit Diesel | 16V4000G24S | 5482000244 |
| J17 | 3,353 hp | Detroit Diesel | 16V4000G24S | 5482000246 |
| J18 | 3,353 hp | Detroit Diesel | 16V4000G24S | 5482000245 |
| J19 | 125 hp | John Deere | 6068HFC48 | PE6068N007610 |
| L01 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500548 |
| L02 | 3,353 hp | Marathon Electric | MTU16V4000DS22 50 | 95030500549 |

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

History: Adopted February 4, 2025 (Ord. No. 5216).]

