



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803

RICK SCOTT
GOVERNOR

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HERSCHEL T. VINYARD JR.
SECRETARY

FINAL PERMIT

Electronically Sent- Received Receipt Requested

cnoble@portcanaveral.com

PERMITTEE

Canaveral Port Authority
445 Challenger Road, Suite 301
Cape Canaveral, Florida 32920

Authorized Representative:

Carol Noble, Director, Environmental Plans and
Programs, Canaveral Port Authority

Air Permit No. 0090243-002-AC
(as modified by 0090243-003-AC)
Permit Effective: 03/20/2014
(modification effective 10/28/2014)
Permit Expires: August 30, 2015
Site Name: Port Canaveral
Synthetic Minor Source Air Construction
Permit
Project Name: Diesel Engines to Power
Container Cranes

This is the final Air Construction Permit. Although the public notice used the permit number 0090243-001-AC, the actual permit number is 0090243-002-AC, as shown above. This version also incorporates the changes from project 0090243-003-AC. Port Canaveral (Standard Industrial Classification No. 4491) is located in Brevard County at 445 Challenger Road in Cape Canaveral, Florida. The UTM coordinates are Zone 17, 537.95 km East, and 3142.00 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the

Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. However, under section 120.60(3), F.S., any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205, F.A.C.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida



F. Thomas Lubozynski, P.E.
Waste & Air Resource Programs Administrator

October 29, 2014
Date

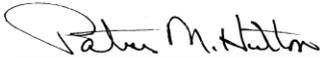
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on October 29, 2014 to the persons listed below.

Carol Noble, Director, Environmental Plans and Programs, Cape Canaveral Authority: cnoble@portcanaveral.com
Bruno A. Ferraro, CEP, QEP, President, Grove Scientific & Engineering Company: bruno@grovescientific.com
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Jeff Rustin, P.E., FDEP – Central District, jeff.rustin@dep.state.fl.us

Clerk Stamp

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

October 29, 2014
(Date)

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

Canaveral Port Authority operates Port Canaveral, a cruise, cargo, and naval port in Brevard County. As a deep water cargo port, it has a high volume of traffic. Common cargo includes cement, petroleum, and aggregate. The port has conveyors and hoppers for loading products into trucks, and equipment for handling bulk cargo containers.

Project Description

This is an Air Construction Permit for the installation of two 1662 horsepower (HP) diesel engines. The engines, which are an integral part of the container cranes (cranes that handle large containers), will generate electricity to power the cranes. The engines will have catalytic oxidizers to control carbon monoxide (CO). Sixteen existing emergency generators have also been included in this permit. The 18 engines are subject to 40 CFR 60 Subpart III and /or 40 CFR 63 Subpart ZZZZ.

This project will add Emission Unit No. 1 and Emission Unit No. 2.

Facility ID No. 0090243	
ID No.	Emission Unit Description
001	Two Container Crane Generator Engines (1662 HP Caterpillar)
002	Sixteen Emergency Generator Engines (see Appendix G)

FACILITY REGULATORY CLASSIFICATION

- The facility is a minor source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a synthetic minor source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility is subject to (NSPS) 40 CFR 60, Subpart A – General Provisions and 40 CFR 60, Subpart III – Compression Ignition Internal Combustion Engines. Nine Emergency Engines (GN 6-1, GN 6-2, GN 6-3, GN 6-4, GN 7-1, GN 7-2, GN 8-2, GN 10-2 and GN 11) are subject to this regulation. The two container crane generator engines and seven emergency engines are not subject to this regulation, because the manufactured dates are prior to the applicability date.

The facility is subject to (NESHAP) 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart ZZZZ – Reciprocating Internal Combustion Engines. All the engines listed in this permit are subject to this regulation; however, nine of the emergency engines (GN 6-1, GN 6-2, GN 6-3, GN 6-4, GN 7-1, GN 7-2, GN 8-2, GN 10-2 and GN 11) only need to meet the requirements of 40 CFR 60, Subpart III to meet the requirements of 40 CFR 63, Subpart ZZZZ.

PERMIT HISTORY/AFFECTED PERMITS

This is the first air permit for this facility (Port Canaveral).

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District, Waste & Air Resource Programs. The Central District's mailing address and phone number is:

Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
Telephone: 407-897-4100

All documents related to applications for permits shall be submitted to the above address or electronically to the following address: DEP_CD@dep.state.fl.us . In each document, clearly identify the Air Permit Project No. 0090243-001-AC.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Compliance Assurance Program. (Use the above mailing or e-mail address.) In each document, clearly identify the Air Permit Project No. 0090243-001-AC and specific emission unit.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions;
 - d. Appendix D. Common Testing Requirements;
 - e. Appendix E. 40 CFR Part 63, Subpart A, General Provisions;
 - f. Appendix F. 40 CFR Part 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines; and
 - g. Appendix G. Attachments 4 and 8
 - (1) Attachment 4 from the application is a table showing information about each emergency generator
 - (2) Attachment 8 from the application showing the location of each engine
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

additional conditions, and on application of the permittee, the Department may grant additional time.

[Rule 62-4.080, F.A.C.]

6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as “Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility”.
[Rules 62-210.200 - Definition of “Modification” and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report: Because this is a synthetic non-Title V facility permit, the permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports (AORs) shall be submitted electronically to the Compliance Authority by April 1st of each year. Go to the following website for the latest information about electronic submittal of AORs:
<http://www.dep.state.fl.us/air/emission/eaor/default.htm>
[Rule 62-210.370(3), F.A.C.]

8. Application for Non-Title V Air Operation Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions units. The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation of the diesel engines to power the container cranes. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:
 - a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
 - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
 - c. copies of the most recent compliance test reports required by Specific Conditions No. **A.17.**, if not previously submitted; and
 - d. copies of the most recent two months of records/logs specified in Specific Condition Nos. **A.31.** and **B.11.**

The Department recommends a pre-application meeting when you begin to draft the application.

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

9. Facility-Wide Nitrogen Oxides (NO_x) Emission Limit: The facility, including the 2 Container Crane Generator Engines (EU 001) and the Sixteen Emergency Engines (EU 002), is limited to less than 98 tons of nitrogen oxides (NO_x) emissions per any consecutive twelve month period. {Rule 62-210.200(PTE) and to avoid Title V Permitting }

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

This section of the permit addresses the following emission unit.

ID No.	Emission Unit Description
001	Two Container Crane Generator Engines (1662 HP Caterpillar)

PERFORMANCE RESTRICTIONS

- A.1. Capacity: For compliance test purposes only, the maximum fuel consumption rate is 81.63 gallons per hour of diesel fuel for each diesel engine. [Rule 62-210.200(PTE), F.A.C.]
- A.2. Hours of Operation: The two container crane generator engines are allowed to operate continuously.
[Rule 62-210.200(PTE), F.A.C.]
- A.3. Authorized Fuel: The two container crane generator engines must use diesel fuel that meets the following requirements for non-road diesel fuel:
Sulfur Content. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (i.e., ultra low sulfur diesel specifications for non-road fuel).
Cetane and Aromatic. The fuel must have a minimum cetane index of 40 or a maximum aromatic content of 35% volume.
[40 CFR 63.6604(a) and 40 CFR 80.510(b)]
- A.4. Fuel Usage: The two container crane generator engines are limited to using not more than 400,000 gallons of diesel fuel per year (the fuel total for both generator engines combined).
[Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

- A.5. Carbon monoxide (CO) Emissions: On or after May 3, 2014, the owner or operator must comply with either of the following CO limitations:
a. Limit concentration of CO in the stationary RICE exhaust to 23 parts per million by volume, dry basis at 15 % O₂; or
b. Reduce CO emissions by at least 70% or more
[40 CFR 63.6640 Table 2d]
- A.6. Compliance Date: The owner or operator must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2014. [40 CFR 63.6595 and 40 CFR 63.6640 (4)]
- A.7. Continuous Compliance: Each unit must be in compliance with the emission limitations, operating limitations, and other requirements in this permit at all times. The CO emissions limit and associated compliance provisions associated with the operation of the oxidation catalyst are not required until May 3, 2014.
[40 CFR 63.6605(a)]

OPERATION AND MONITORING REQUIREMENTS

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

- A.8. Oxidation Catalyst and Inlet Temperature: The owner or operator complying with the CO limitation contained in Condition **A.5.** by using an oxidation catalyst must:
- a. Maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test (See Condition A.17.); and,
 - b. Maintain the temperature of each stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450°F and less than or equal to 1350°F.

[40 CFR 63.6640 Table 2b]

- A.9. Continuous Parameter Monitoring System (CPMS): A continuous parameter monitoring system (CPMS) shall be installed as specified in Table 5 of 40 CFR 63, Subpart ZZZZ. Each CPMS must be installed, operated, and maintained according to the requirements in 40 CFR 63.6625(b) (1) through (6).

[40 CFR 63.6625(b)]

- A.10. CPMS Installation, Operation and Maintenance: An owner or operator required to install a continuous CPMS must install, operate, and maintain each CPMS according to the following requirements.
- a. The owner or operator must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs 40 CFR 63.6625(b)(1)(i) through (v) and in §63.8(d). As specified in §63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in paragraphs 40 CFR 63.6625(b)(1)(i) through (v) in your site-specific monitoring plan.
 - i. The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;
 - ii. Sampling interface (*e.g.*, thermocouple) location such that the monitoring system will provide representative measurements;
 - iii. Equipment performance evaluations, system accuracy audits, or other audit procedures;
 - iv. Ongoing operation and maintenance procedures in accordance with provisions in §63.8(c)(1)(ii) and (c)(3); and
 - v. Ongoing reporting and recordkeeping procedures in accordance with provisions in §63.10(c), (e) (1), and (e) (2) (i).
 - b. Each CPMS must be installed, operated, and maintained in continuous operation according to the procedures in your site-specific monitoring plan.
 - c. The CPMS must collect data at least once every 15 minutes (see also §63.6635).
 - d. For a CPMS used for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 % of the measurement range, whichever is larger.

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

- e. The CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan must be conducted at least annually.
- f. A performance evaluation of each CPMS must be conducted in accordance with your site-specific monitoring plan.

[40 CFR 63.6625(b)(1) through (b)(6)]

A.11. Continuous Monitoring and Data Collection: In order to comply with the emission and operating limitations, the owner or operator must monitor and collect data in accordance with the following:

- a. Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, you must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- b. You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. You must, however, use all the valid data collected during all other periods.

[40CFR 63.6635]

A.12. Continuous Compliance Demonstration: The owner or operator must demonstrate continuous compliance with the emission limitation contained in Conditions **A.5.** and the operation limitation contained in Conditions **A.8.** by

- a. Collecting the catalyst inlet temperature data according to Condition **A.10.(c)**(every 15-minutes)
- b. Reducing these data to 4-hour rolling averages;
- c. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and
- d. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test.

[40CFR 63.6640 Table 6]

A.13. Crankcase Ventilation System: This permit authorizes the installation of an open or closed crankcase ventilation system to be installed on each of the two engines. The closed crankcase system prevents crankcase emissions from being emitted to the atmosphere. The open crankcase filtration emission control system reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates and metals. The owner and operator must follow the manufacturer's specified maintenance requirements for operating and maintaining the closed crankcase or open crankcase ventilation systems and replacing the crankcase ventilation filters.

[40CFR 63.6625(g) (1)]

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

- A.14. Operation and Maintenance of Equipment: At all times the owner or operator must operate and maintain, any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the compliance authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605(b)]
- A.15. Operation at Idle and Startup Conditions: During periods of startup the owner or operator must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations contained in Condition **A.5.** apply.
[40 CFR 63.6640 Table 2d]
- A.16. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed on each engine.
[40 CFR 63.6625(f)]

TESTING REQUIREMENTS

- A.17. Initial Compliance Tests:
- The initial tests shall be conducted within 60 days after completing the engine service and catalyst installation, but not later than 180 days after initial operation of the unit.
 - When catalyst maintenance is performed, you must reestablish the values of the operating parameters measured during the initial compliance demonstration according to Condition A.18 within 60 days of the catalyst maintenance. Catalyst maintenance includes cleaning (removed, cleaned and then reinstalled).
 - When the catalyst is changed, you must reestablish the values of the operating parameters by conducting an initial compliance demonstration according to Conditions A.18.c and A.20 thru A.24 within 60 days of changing the catalyst.
- [40 CFR 63.6612(a), Table 4 and Table 5; 40 CFR 63.6640(b); and Rule 62-297.310(7), F.A.C.]
- A.18. Demonstration of Initial Compliance: The owner or operator utilizing an oxidation catalyst and a CPMS has demonstrated initial compliance with the CO emission limitation contained in Condition **A.5.** and performance in Condition A.8 when:
- The average CO concentration determined from the initial performance test is less than or equal to the CO limitation in Condition A.5,
 - The owner or operator has installed a CPMS to continuously monitor operating catalyst inlet temperature according to the requirements in 40 CFR 63.6625(b); and,
 - The owner or operator has recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

[40 CFR 63.6630 Table 5(2.a.)]

- A.19. Compliance Tests After Initial Testing. The permittee must conduct subsequent performance tests according to Conditions A.18 and A.20 thru A.24 for each RICE engine within 8,760 hours of operation from the last test or within 3 years of the date of the last test, whichever comes first.
[40 CFR 63.6612 Table 3]
- A.20. Test Requirements: The permittee must conduct three separate test runs for each performance test required in this section. Each test run must last at least 1 hour, unless otherwise specified. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[40 CFR 63.6620(d) and Rule 62-297.310, F.A.C.]
- A.21. Measurements to Determine O₂ and CO.
- a. Measurements to determine O₂. The owner or operator must measure the O₂ at the inlet and outlet of the control device in accordance with Method 3, 3A or 3B of 40 CFR Part 60 Appendix A, or using a portable CO and O₂ analyzer according to the ASTM D6522–00 (2005) (incorporated by reference, see 40 CFR 63.14) requirements. Measurements to determine O₂ must be made at the same time as the measurements for CO concentration. Methods 3A and 10 may also be used as options to ASTM–D6522–00 (2005).
 - b. Measurements to determine CO. The owner or operator must measure the CO at the inlet and the outlet of the control device using a portable CO and O₂ analyzer according to the ASTM D6522–00 (2005) (incorporated by reference, see 40 CFR 63.14) or Method 10 of 40 CFR appendix A requirements. The CO concentration must be at 15% O₂, dry basis. Methods 3A and 10 may also be used as options to ASTM–D6522–00 (2005). Method 320 of 40 CFR part 63, appendix A, or ASTM D6348–03 may also be used.
 - c. Sample port location and number of traverse points. The owner or operator must select sample port locations and the number of traverse points in accordance with Method 1 or 1A of CFR part 60 Appendix A. The sampling site must be located at the outlet of the oxidation catalyst device.
 - d. Measurements to determine moisture content The owner or operator must measure the moisture content of each stationary RICE exhaust at the sample port location in accordance with Method 4 of 40 CFR Part 60 Appendix A, or Test Method 320 of 40 CFR part 63 according to the ASTM D6348–03 (incorporated by reference, see 40 CFR 63.14) requirements.
[40 CFR 63.6620 Table 4(1.) and (3.)]
- A.22. Percent Reduction of CO Determination. Percent reduction of CO must be determined using the following equation:

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

$$\frac{C_i - C_o}{C_i} \times 100 = R$$

Where:

C_i = concentration of carbon monoxide (CO), at the control device inlet,

C_o = concentration of CO, at the control device outlet, and

R = percent reduction of CO emissions

[40 CFR 63.6620(e) (1)]

A.23. Inlet and Outlet Normalization of CO Concentrations. The CO concentrations at the inlet and outlet of the control device must be normalized to a dry basis and to 15% oxygen, or an equivalent percent carbon dioxide (CO₂). If pollutant concentrations are to be corrected to 15% oxygen and CO₂ concentration is measured in lieu of oxygen concentration measurement, a CO₂ correction factor is needed. Calculate the CO₂ correction factor as described in the following equations:

(1) Calculate the fuel-specific F_o value for the fuel burned during the test using values obtained from Method 19, Section 5.2, and the following equation:

$$F_o = \frac{0.209F_d}{F_c}$$

Where:

F_o = Fuel factor based on the ratio of oxygen volume to the ultimate CO₂ volume produced by the fuel at zero % excess air.

0.209 = Fraction of air that is oxygen, percent/100.

F_d = Ratio of the volume of dry effluent gas to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/10⁶ Btu).

F_c = Ratio of the volume of CO₂ produced to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/10⁶ Btu)

(2) Calculate the CO₂ correction factor for correcting measurement data to 15% O₂, using the following equation:

$$x_{CO_2} = \frac{5.9}{F_o}$$

Where :

x_{CO₂} = CO₂ concentration correction factor, percent.

5.9 = 20.9% O₂ – 15% O₂, the defined O₂ correction value, percent.

(3) Calculate the CO gas concentrations adjusted to 15% O₂ correction value, using the following equation:

$$C_{adj} = C_d \frac{x_{CO_2}}{\%CO_2}$$

SECTION 3. FACILITY-WIDE AND EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 – Two Container Crane Generator Engines

Where:

C_{adj} = calculated concentration of CO adjusted to 15% O₂.

C_d = measured concentration of CO uncorrected.

x_{CO_2} = CO₂ correction factor, percent.

$\%CO_2$ = Measured CO₂ concentration measured, dry basis, percent.

[40 CFR 63.6620(e)(2)]

- A.24. Determination of Engine Load. The engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, and stain gauges are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided.

[40 CFR 63.6620(i)]

NOTIFICATION REQUIREMENTS

- A.25. Initial Notification Requirements. The owner or operator must submit all of the applicable notifications contained in 40 CFR Part 63 Subpart A by the dates specified. The applicant has identified all of the applicable information in the application and therefore has met this initial notification requirement.

[40 CFR 63.6645(a)]

- A.26. Notification of Deviations of Limitations: The owner or operator must report each instance in which you did not meet each emission limitation or operating limitation contained in this permit. These instances are deviations from the emission and operating limitations in this permit. These deviations must be reported according to the requirements in Condition **A.33**.

- A.27. Notification about the Catalyst:

- a. You must notify the Department at least 30 days before performing routine maintenance on the catalyst, or, as soon as possible, when the change is emergency maintenance. Catalyst maintenance includes cleaning (removed, cleaned and then reinstalled).
- b. You must notify the Department at least 30 days before replacing the catalyst, or, as soon as possible, when the change is an emergency.

See Condition A.17 regarding required testing.

[40 CFR 63.6640(b) and 63.6650]

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- A.28. Notification of Intent to Conduct a Performance Test. The owner or operator must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1).
[40 CFR 63.6645(g)]
- A.29. Notification of Compliance Status. Owners or operators required to conduct a performance test as specified in Conditions **A.17** and **A.19**, must submit a Notification of Compliance Status according to 40 CFR 63.9(h)(2)(ii).
- a. For each compliance demonstration required in Condition **A.17** that does not include a performance test, the owner or operator must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.
 - b. For each compliance demonstration required in Conditions **A.17** and **A.19** that includes a performance test, the owner or operator must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2).
[40 CFR 63.6645(h)]
- A.30. Additional Notification Requirements: The owner or operator must submit all of the notifications in accordance with:
- c. §§63.7(b) Notification of Performance Test;
 - d. §§63.7(c) Quality Assurance Program;
 - e. §§63.8(e) Conduction of Performance Test;
 - f. §§63.8(f)(4) Use of Alternative Test Methods;
 - g. §§63.8(f)(6) and 63.9(b) Initial Notifications;
 - h. §§63.9(c); Request for Extension of Compliance;
 - i. §§63.9(d) Notification that source is subject to special compliance requirements;
 - j. §§63.9(e) Notification of Performance Test;
 - k. §§63.9(g) Additional Notification requirements for sources with continuous monitoring systems; and
 - l. §§63.9(h) Notification of Compliance Status
- by the dates specified in each Rule.
[40 CFR 63.6645(a) and 40 CFR 63 Subpart A]

RECORDS AND REPORTS

- A.31. Fuel Usage and Nitrogen Oxides (NO_x) Emissions Recordkeeping: Monthly Log: In order to demonstrate compliance with Facility-Wide Condition No. 9 and Condition **A.4.**, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:
- a. Facility Name, Facility ID No. (i.e., 0090243), Emission Unit No. (i.e., EU 001), and Engine No. (e.g., Crane #1);

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- b. Month and year of record;
- c. Most recent monthly total of fuel oil consumed by each engine (gallons) and both engines (gallons);
- d. Most recent consecutive 12-month rolling total of fuel oil consumed by each engine (gallons) and both engines (gallons); and

{Permitting Note: By complying with the limit on the amount of fuel allowed to be used, the emission calculations indicate that the facility-wide limit on Nitrogen Oxide emissions (98 tpy) has been met.}

- e. Certification from the fuel oil supplier of the no. 2 fuel oil sulfur content

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month. [Rule 62-4.070(3), F.A.C.]

- A.32. Notification, Performance and Compliance Records. The owner or operator must keep:
- a. A copy of each notification and report that the owner or operator submitted to comply with this section, including all documentation supporting any Initial Notification or Notification of Compliance Status that the owner or operator submitted.
 - b. Records of the occurrence and duration of each malfunction of operation.
 - c. Records of all required maintenance performed on the hour meter.
 - d. Records of actions taken to minimize emissions during periods of malfunction in accordance with Specific Condition **A.14.**, including corrective actions to restore malfunctioning process and monitoring equipment to its normal or usual manner of operation.
 - e. Records of the maintenance conducted in order to demonstrate that the RICE was operated and maintained according to your own maintenance plan.
 - f. Records of the hours of operation of the engine that is recorded through the non-resettable hour meter.

[40 CFR 63.6655]

- A.33. Compliance Report. The owner or operator must submit semiannual Compliance Reports according to the following requirements:
- a. Each semiannual compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through

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December 31 and must be postmarked or delivered no later than August 30 or February 28 whichever date is the first date following the end of the semiannual reporting period.

- b. The Compliance Report must contain the following information:
1. Company name and address.
 2. Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.
 3. Date of report and beginning and ending dates of the reporting period.
 4. If you had a deviation or malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a deviation or malfunction of an affected source to minimize emissions in accordance with Specific Conditions **A.10 or A.14**, including actions taken to correct a malfunction.
 5. If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.
 6. If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.
- c. For each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CMS to comply with the emission and operating limitations in this subpart, you must include information in paragraphs b.1 through 4, above, and 1 through 12, below.
1. The date and time that each malfunction started and stopped.
 2. The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
 3. The date, time, and duration that each CMS was out-of-control, including the information in § 63.8(c)(8).
 4. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
 5. A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
 6. A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
 7. A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
 8. An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
 9. A brief description of the stationary RICE.
 10. A brief description of the CMS.

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11. The date of the latest CMS certification or audit.

12. A description of any changes in CMS, processes, or controls since the last reporting period.

[40 CFR 63.6650(a) - (f) and Table 7]

A.34. Record Retention

a. The owner or operator must keep records in a suitable and readily available form for expeditious reviews.

b. The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

GENERAL PROVISIONS

A.35. 40 CFR 63 Subpart A - General Provisions. The owner or operator shall comply with the following applicable requirements of 40 CFR 63 Subpart A - General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14.

TABLE 8 TO SUBPART ZZZZ OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART ZZZZ.

As stated in §63.6665, you must comply with the following applicable general provisions.

General provisions citation	Subject of citation	Applies to subpart	Explanation
§63.1	General applicability of the General Provisions	Yes.	
§63.2	Definitions	Yes	Additional terms defined in §63.6675.
§63.3	Units and abbreviations	Yes.	
§63.4	Prohibited activities and circumvention	Yes.	
§63.5	Construction and reconstruction	Yes.	
§63.6(a)	Applicability	Yes.	
§63.6(b)(1)-(4)	Compliance dates for new and reconstructed sources	Yes.	
§63.6(b)(5)	Notification	Yes.	
§63.6(b)(6)	[Reserved]		
§63.6(b)(7)	Compliance dates for new and reconstructed area sources that become major sources	Yes.	

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General provisions citation	Subject of citation	Applies to subpart	Explanation
§63.6(c)(1)-(2)	Compliance dates for existing sources	Yes.	
§63.6(c)(3)-(4)	[Reserved]		
§63.6(c)(5)	Compliance dates for existing area sources that become major sources	Yes.	
§63.6(d)	[Reserved]		
§63.6(e)	Operation and maintenance	No.	
§63.6(f)(1)	Applicability of standards	No.	
§63.6(f)(2)	Methods for determining compliance	Yes.	
§63.6(f)(3)	Finding of compliance	Yes.	
§63.6(g)(1)-(3)	Use of alternate standard	Yes.	
§63.6(h)	Opacity and visible emission standards	No	Subpart ZZZZ does not contain opacity or visible emission standards.
§63.6(i)	Compliance extension procedures and criteria	Yes.	
§63.6(j)	Presidential compliance exemption	Yes.	
§63.7(a)(1)-(2)	Performance test dates	Yes	Subpart ZZZZ contains performance test dates at §§63.6610, 63.6611, and 63.6612.
§63.7(a)(3)	CAA section 114 authority	Yes.	
§63.7(b)(1)	Notification of performance test	Yes	Except that §63.7(b)(1) only applies as specified in §63.6645.
§63.7(b)(2)	Notification of rescheduling	Yes	Except that §63.7(b)(2) only applies as specified in §63.6645.
§63.7(c)	Quality assurance/test plan	Yes	Except that §63.7(c) only applies as specified in §63.6645.
§63.7(d)	Testing facilities	Yes.	
§63.7(e)(1)	Conditions for conducting performance tests	No.	Subpart ZZZZ specifies conditions for conducting performance tests at §63.6620.
§63.7(e)(2)	Conduct of performance tests and reduction of data	Yes	Subpart ZZZZ specifies test methods at §63.6620.
§63.7(e)(3)	Test run duration	Yes.	
§63.7(e)(4)	Administrator may require other testing under section 114 of the CAA	Yes.	
§63.7(f)	Alternative test method provisions	Yes.	
§63.7(g)	Performance test data analysis, recordkeeping, and reporting	Yes.	

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General provisions citation	Subject of citation	Applies to subpart	Explanation
§63.7(h)	Waiver of tests	Yes.	
§63.8(a)(1)	Applicability of monitoring requirements	Yes	Subpart ZZZZ contains specific requirements for monitoring at §63.6625.
§63.8(a)(2)	Performance specifications	Yes.	
§63.8(a)(3)	[Reserved]		
§63.8(a)(4)	Monitoring for control devices	No.	
§63.8(b)(1)	Monitoring	Yes.	
§63.8(b)(2)-(3)	Multiple effluents and multiple monitoring systems	Yes.	
§63.8(c)(1)	Monitoring system operation and maintenance	Yes.	
§63.8(c)(1)(i)	Routine and predictable SSM	No	
§63.8(c)(1)(ii)	SSM not in Startup Shutdown Malfunction Plan	Yes.	
§63.8(c)(1)(iii)	Compliance with operation and maintenance requirements	No	
§63.8(c)(2)-(3)	Monitoring system installation	Yes.	
§63.8(c)(4)	Continuous monitoring system (CMS) requirements	Yes	Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
§63.8(c)(5)	COMS minimum procedures	No	Subpart ZZZZ does not require COMS.
§63.8(c)(6)-(8)	CMS requirements	Yes	Except that subpart ZZZZ does not require COMS.
§63.8(d)	CMS quality control	Yes.	
§63.8(e)	CMS performance evaluation	Yes	Except for §63.8(e)(5)(ii), which applies to COMS.
		Except that §63.8(e) only applies as specified in §63.6645.	
§63.8(f)(1)-(5)	Alternative monitoring method	Yes	Except that §63.8(f)(4) only applies as specified in §63.6645.
§63.8(f)(6)	Alternative to relative accuracy test	Yes	Except that §63.8(f)(6) only applies as specified in §63.6645.
§63.8(g)	Data reduction	Yes	Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at

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General provisions citation	Subject of citation	Applies to subpart	Explanation
			§§63.6635 and 63.6640.
§63.9(a)	Applicability and State delegation of notification requirements	Yes.	
§63.9(b)(1)-(5)	Initial notifications	Yes	Except that §63.9(b)(3) is reserved.
		Except that §63.9(b) only applies as specified in §63.6645.	
§63.9(c)	Request for compliance extension	Yes	Except that §63.9(c) only applies as specified in §63.6645.
§63.9(d)	Notification of special compliance requirements for new sources	Yes	Except that §63.9(d) only applies as specified in §63.6645.
§63.9(e)	Notification of performance test	Yes	Except that §63.9(e) only applies as specified in §63.6645.
§63.9(f)	Notification of visible emission (VE)/opacity test	No	Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(1)	Notification of performance evaluation	Yes	Except that §63.9(g) only applies as specified in §63.6645.
§63.9(g)(2)	Notification of use of COMS data	No	Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(3)	Notification that criterion for alternative to RATA is exceeded	Yes	If alternative is in use.
		Except that §63.9(g) only applies as specified in §63.6645.	
§63.9(h)(1)-(6)	Notification of compliance status	Yes	Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. §63.9(h)(4) is reserved.
			Except that §63.9(h) only applies as specified in §63.6645.
§63.9(i)	Adjustment of submittal deadlines	Yes.	
§63.9(j)	Change in previous information	Yes.	
§63.10(a)	Administrative provisions for recordkeeping/reporting	Yes.	
§63.10(b)(1)	Record retention	Yes	Except that the most recent 2 years of data do not have to be retained on site.
§63.10(b)(2)(i)-(v)	Records related to SSM	No.	

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General provisions citation	Subject of citation	Applies to subpart	Explanation
§63.10(b)(2)(vi)-(xi)	Records	Yes.	
§63.10(b)(2)(xii)	Record when under waiver	Yes.	
§63.10(b)(2)(xiii)	Records when using alternative to RATA	Yes	For CO standard if using RATA alternative.
§63.10(b)(2)(xiv)	Records of supporting documentation	Yes.	
§63.10(b)(3)	Records of applicability determination	Yes.	
§63.10(c)	Additional records for sources using CEMS	Yes	Except that §63.10(c)(2)-(4) and (9) are reserved.
§63.10(d)(1)	General reporting requirements	Yes.	
§63.10(d)(2)	Report of performance test results	Yes.	
§63.10(d)(3)	Reporting opacity or VE observations	No	Subpart ZZZZ does not contain opacity or VE standards.
§63.10(d)(4)	Progress reports	Yes.	
§63.10(d)(5)	Startup, shutdown, and malfunction reports	No.	
§63.10(e)(1) and (2)(i)	Additional CMS Reports	Yes.	
§63.10(e)(2)(ii)	COMS-related report	No	Subpart ZZZZ does not require COMS.
§63.10(e)(3)	Excess emission and parameter exceedances reports	Yes.	Except that §63.10(e)(3)(i) (C) is reserved.
§63.10(e)(4)	Reporting COMS data	No	Subpart ZZZZ does not require COMS.
§63.10(f)	Waiver for recordkeeping/reporting	Yes.	
§63.11	Flares	No.	
§63.12	State authority and delegations	Yes.	
§63.13	Addresses	Yes.	
§63.14	Incorporation by reference	Yes.	
§63.15	Availability of information	Yes.	

[40 CFR 63.6665 and 40 CFR 63, Table 8]

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B. EU No. 002 – Sixteen Emergency Generator Engines

This section of the permit addresses the following emission unit.

ID No.	Emission Unit Description
002	Sixteen Emergency Generator Engines (see Appendix G)

PERFORMANCE RESTRICTIONS

B.1. Authorized Fuel: The 16 diesel powered compression ignition engines must use diesel fuel that meets the following requirements for non-road diesel fuel:

Sulfur Content. The sulfur content shall not exceed = 15 ppm = 0.0015% by weight (i.e. ultra low sulfur diesel specifications for non-road fuel).

Cetane and Aromatic. The fuel must have a minimum cetane index of 40 or a maximum aromatic content of 35% volume.

[Rule 62-210.200(PTE), F.A.C.]

B.2. Fuel Usage: The sixteen emergency generator engines are limited to 38,000 gallons of ultra low sulfur diesel fuel per year. [Rule 62-210.200(PTE), F.A.C.]

The following 4 conditions (B.3., B.4., and B.5.) apply to the following seven emergency generator engines: GN 1, GN 2, GN 3, GN 4, GN 5, GN 8-1, and GN 10-1

B.3. Operating Limitations: 40 CFR Part 63, Subpart ZZZZ applies to the Emergency Generators GN 1, GN 2, GN 3, GN 4, GN 5, GN 8-1, and GN 10-1 at the facility. Canaveral Port Authority must operate the emergency stationary reciprocating internal combustion engines (RICE) according to the requirements of 40 CFR 63.6640.

In order for the engine to be considered an emergency stationary RICE under 40 CFR Part 63, Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in nonemergency situations for up to 50 hours per year, as described in paragraphs (1) through (3) of this condition is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (3) of this condition, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (2)(i) through (iii) of this condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph, B.3.(2).

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B. EU No. 002 – Sixteen Emergency Generator Engines

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (2) of this condition. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

B.4. Operating Records: The following record requirements from 40 CFR 63.6655 apply to the Emergency Generators at the facility:

Canaveral Port Authority must keep records of the hours of operation of the engines. The number of hours of operation must be recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation (including what classified the operation as emergency) and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in paragraphs (2)(ii) or (iii) of Condition B.3., the owner or operator must keep records of the notification of the emergency situation, as well as, the date, start time, and end time of engine operation for these purposes.

The permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

Monthly (The monthly logs shall be completed by the end of the following month.)

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B. EU No. 002 – Sixteen Emergency Generator Engines

- a. Facility Name, Facility ID No. (i.e., 0090243), and Emission Unit No. (i.e., EU 002), and Engine No. (e.g., GN 1);
- b. Designation of the month and year of operation for which records are being tabulated;
- c. Monthly total of maintenance and testing hours for the Emergency Generators;
- d. Monthly total of non-emergency operation hours for the Emergency Generators;
- e. Monthly total of emergency hours for the Emergency Generator and include comments to indicate what classified the operation as emergency; and
- f. A running total of each of the following to demonstrate the operating limitations have not been exceeded for the calendar year (that is, calendar year to date total):
 - (1) maintenance and testing hours
 - (2) non-emergency operation hours (50 hour limit)
 - (3) total of the above two types of operation hours (100 hour limit)
 - (4) emergency hours (no limit)

B.5. Maintenance Requirements for Emergency Generators: The following maintenance requirements from Table 2D, No. 4 of 40 CFR Part 63, Subpart ZZZZ, apply to the Emergency Generators at the facility:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63, Subpart ZZZZ, Table 2D, No. 4]

The following 4 conditions (B.6., B.7., B.8., and B.9.) apply to the following 9 emergency engines: GN 6-1, GN 6-2, GN 6-3, GN 6-4, GN 7-1, GN 7-2, GN 8-2, GN 10-2, and GN 11

B.6. Operating Limitations: 40 CFR Part 60, Subpart IIII applies to the Emergency Generators GN 6-1, GN 6-2, GN 6-3, GN 6-4, GN 7-1, GN 7-2, , GN 8-2, GN 10-2 and GN 11 at the facility. Canaveral Port Authority must operate the emergency stationary reciprocating internal combustion engine (RICE) according to the requirements of 40 CFR 60.4211.

In order for the engine to be considered an emergency stationary RICE under 40 CFR Part 60, Subpart IIII, any operation other than emergency operation, maintenance and testing, emergency

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demand response, and operation in nonemergency situations for up to 50 hours per year, as described in paragraphs (1) through (3) of this condition is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (3) of this condition, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (2)(i) through (iii) of this condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph, B.7.(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (2) of this condition. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

B.7. Operating Records: The following record requirements apply to the Emergency Generator Engines at the facility:

Canaveral Port Authority must keep records of the hours of operation of the engines. The number of hours of operation must be recorded through the non-resettable hour meter. The

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owner or operator must document how many hours are spent for emergency operation (including what classified the operation as emergency) and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in paragraphs (2)(ii) or (iii) of Condition B.6., the owner or operator must keep records of the notification of the emergency situation, as well as, the date, start time, and end time of engine operation for these purposes.

The permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log shall contain the following:

Monthly (The monthly logs shall be completed by the end of the following month.)

- a. Facility Name, Facility ID No. (i.e., 0090243), and Emission Unit No. (i.e., EU 002)
- b. Designation of the month and year of operation for which records are being tabulated;
- c. Monthly total of maintenance and testing hours for the Emergency Generators;
- d. Monthly total of non-emergency operation hours for the Emergency Generators;
- e. Monthly total of emergency hours for the Emergency Generator and include comments to indicate what classified the operation as emergency; and
- f. A running total of each of the following to demonstrate the operating limitations have not been exceeded for the calendar year (that is, calendar year to date total):
 - (1) maintenance and testing hours
 - (2) non-emergency operation hours (50 hour limit)
 - (3) total of the above two types of operation hours (100 hour limit)
 - (4) emergency hours (no limit)

B.8. Maintenance Requirements for Emergency Generator Engines: To comply with 40 CFR 60.4211(a)(1), the permittee shall operate and maintain the Emergency Generator Engines according to the manufacturer's emission-related written instructions.
[40 CFR 60.4211(a)(1)]

The following condition applies to all sixteen emergency generator engines at the site.

B.9. Fuel Usage and Nitrogen Oxides (NO_x) Emissions Recordkeeping: Monthly Log: In order to demonstrate compliance with Facility-Wide Condition No. 9 and Condition **B.2.**, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:

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- a. Facility Name, Facility ID No. (i.e., 0090243), Emission Unit No. (i.e., EU 002), and Engine No. (e.g., GN 1);
- b. Month and year of record;
- c. Most recent monthly total of diesel fuel consumed by each emergency engine (gallons) and the total for all 16 emergency engines (gallons);
- d. Most recent consecutive 12-month rolling total of fuel oil consumed by each emergency engine (gallons) and the total for all 16 emergency engines (gallons);

{Permitting Note: By complying with the limit on the amount of fuel allowed to be used, the emission calculations indicate that the facility-wide limit on Nitrogen Oxide emissions (98 tpy) has been met.}

- e. Certification from the fuel oil supplier of the no. 2 fuel oil sulfur content

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12 months total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-months total treats each month of the year as the end of a 12-months period. A 12-months total is not a year-to-date total. Facilities or emission units that have not been operating for 12 months should retain 12 months totals using whatever number of months of data are available until such a time as a consecutive 12 months total can be maintained each month. [Rule 62-4.070(3), F.A.C.]