United States Marine Corps
Marine Corps Support Facility – Blount Island

Facility ID No. 0310099
Duval County

Draft/Proposed Title V Air Operation Permit Revision

Permit No. 0310099-018-AV
(Revision of Title V Air Operation Permit No. 0310099-015-AV)

Draft/Proposed

Permitting Authority:

State of Florida
Department of Environmental Protection
Waste & Air Resource Management Program, Northeast District

8800 Baymeadows Way West, Suite 100
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Title V Air Operation Permit Revision

Permit No. 0310099-018-AV

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
GOVERNOR

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LT. GOVERNOR

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SECRETARY

PERMITTEE:
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Draft/Proposed Permit No. 0310099-018-AV
Marine Corps Support Facility – Blount Island
Facility Id No. 0310099
Title V Air Operation Permit Revision

The purpose of this permit is to revise the Title V air operation permit 0310099-015-AV for the above referenced facility to incorporate the provisions of air construction permit 0310099-012-AC. The existing Marine Corps Support Facility – Blount Island is located in Duval County at 5880 Channel View Blvd., Jacksonville, Florida. UTM Coordinates are: Zone 17, 449.80 km East and 3363.30 km North. Latitude is: 30° 24' 18" North; and, Longitude is: 81° 31' 21" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Initial Effective Date: May 30, 2012
Revision Effective Date: Month XX, 2014
Renewal Application Due Date: October 17, 2016
Expiration Date: May 30, 2017

(Draft/Proposed)

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Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management Program

RSR/bcs

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Section I. FACILITY INFORMATION. {*Permitting Note: Strikethroughs indicate items ~~deleted~~ and double underlined font indicates items added.*}

Subsection A. Facility Description.

This permit incorporates Permit No. 0310099-012-AC, which was for the addition of a new paint and blast facility for the USMC Support Facility – Blount Island. The project also includes the demolition of the existing Paint and Blast Building No. 352, which includes the demolition of Emission Unit (EU) No.001 - Abrasive Blast Booth and the demolition of one paint booth described in EU No. 007 as Spray Coating Booth No.1. The new paint and blast facility consists of a blast booth, a cure booth (which can also operate as two independent cure booths) and a paint booth (which can also operate as two independent paint booths).

This Title V facility is a freight shipping container, military combat equipment, and aircraft ground support equipment maintenance facility. The facility operations include abrasive blasting and surface coating operations.

The existing facility is not a major stationary source of air pollution for Prevention of Significant Deterioration (PSD) purposes because the potential emissions of PSD air pollutants are less than 250 tons per year pursuant to Rule 62-210.200(189), FAC, and Rule 2.301, JEPB.

The facility is a major source of air pollution for Title V purposes because the potential emissions of at least one regulated air pollutant is greater than 100 tons per year pursuant to Rule 62-210.200(188), FAC, and Rule 2.301, JEPB.

Also included in this permit are miscellaneous insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Revision application received September 25, 2014, this facility is classified as a major source for Hazardous Air Pollutants (HAPs) because the potential emissions of any single HAP is greater than 10 tons per year and/or the potential emissions of total HAPs is greater than 25 tons per year in accordance with Chapter 62-210, FAC, and Rule 2.301 JEPB.

Emissions Unit 008 is subject to Compliance Assurance Monitoring (CAM) requirements.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
005	Abrasive Blast Booth
007	Spray Coating Booths
008	Abrasive Blast Booth
009	Emergency Diesel Engine Generators
010	Concrete Batch Plant
011	Emergency Propane Engine Generators
012	Emergency Propane Engine Generator B-390

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Subsection C. Applicable Regulations.

The existing facility is not a PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice]; JEPB Rule 2, Parts I through VII, and Parts IX through XIV	005, 007, 008, 009, 010, 011, 012
40 CFR 60, Subpart A, NSPS General Provisions	009, 012
40 CFR 60, Subpart IIII	009
40 CFR 60, Subpart JJJJ	012
40 CFR 63, Subpart A, NESHAP General Provisions	009, 011, 012
40 CFR 63, Subpart ZZZZ	009, 011, 012
State Rule Citations: 62-296.414, F.A.C.	010
State Rule Citations: RACT (62-296.513, F.A.C.)	007
State Rule Citations: RACT (62-296.700, F.A.C.)	005, 010
State Rule Citations: RACT (62-296.712, F.A.C.)	005
CAM	008

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The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C., Permit No. 0310028-023-AC, and Rule 2.1101, JEPB]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C., and Rule 2.1101, JEPB]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C., and Rule 2.1201, JEPB. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

a. Paving and maintenance of roads, parking areas and yards.
b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c), F.A.C., and Rule 2.1101, JEPB]

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Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013), and Rules 2.301 and 2.501, JEPB]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW7. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C., and Rule 2.501, JEPB]

FW8. Prevention of Accidental Releases (Section 112(r) of CAA).

a. As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. (See paragraph e., below.)

b. As required under Section 252.941(1)(c), F.S., the owner or operator shall report to the appropriate representative of the Division of Emergency Management, as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.

c. The owner or operator shall submit the required annual registration fee to the Division of Emergency Management on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 9G-21, F.A.C.

d. Any required written reports, notifications, certifications, and data required to be sent to the Division of Emergency Management, should be sent to: Division of Emergency Management, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2100, Telephone: (850) 413-9970, Fax: (850) 488-1739.

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e. Any Risk Management Plans, original submittals, revisions, or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

f. Any required reports to be sent to the National Response Center, should be sent to: National Response Center, EPA Office of Solid Waste and Emergency Response, USEPA (5305 W), 401 M Street SW, Washington, D.C. 20460, Telephone: (800) 424-8802.

g. Send the required annual registration fee using approved forms made payable to: Cashier, Division of Emergency Management, State Emergency Response Commission, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2149

[Part IV, Chapter 252, F.S.; and, Rule 9G-21, F.A.C.]

FW9. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Permitting Authority for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1401, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700(1), (4), and (6), FAC, and Rule 2.201, JEPB]

<u>The following Facility-wide conditions are not federally enforceable:</u>

FW10. The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

FW11. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

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Subsection A. Emissions Unit 005

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
005	Abrasive Blast Booth

Removal of paint from miscellaneous aircraft ground support equipment parts. The abrasive blast media utilized is aluminum oxide and steel shot.

Control Device - Donaldson Torit Downflo Oval (DFO) Cartridge Dust Collector 3-18

{This EU is regulated under Reasonably Available Control Technology (RACT) for Particulate Matter, Rule 62-296.712, FAC, Rule 2.1101, JEPB, Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB}

Essential Potential to Emit (PTE) Parameters

A.1. The nominal volumetric flow rate from this emissions unit is 10,387 cubic feet per minute.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

Emission Limitations and Standards

{*Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}*

A.2. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

A.3. The maximum process rate of abrasive consumed shall not exceed 0.077 tons per hour and 80.0 tons per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

A.4. The hours of operation for this emissions unit shall not exceed 1,040 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

A.5. Particulate Matter emissions shall not exceed 0.03 grains per dry standard cubic feet [2.67 pounds per hour and 1.39 tons per year].
[Rule 62-296.712(2), FAC, and 2.1101, JEPB]

A.6. Visible emissions (VE) shall not exceed 5 percent opacity.
[Rule 62-296.712(2), FAC, and 2.1101, JEPB]

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Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.7. Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter. The minimum sample volume shall be 30 dry standard cubic feet.
[Rule 62-296.712(3), FAC, and 2.1101, JEPB]

A.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-296.712(3), FAC, Rule 62-297.310(4)(a)2., FAC, Rule 2.1101, JEPB and 2.1201, JEPB]

A.9. VE shall be tested annually from the date of December 1, 2011.
[Rule 62-213.440(1)(b)1.b., FAC, Rule 62-297.310(7)(a)4.a., FAC Rule 2.501, JEPB, and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

A.10. An Operation and Maintenance Plan is attached and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of two (2) years.
[Rule 62-296.700(6)(e), FAC, and Rule 2.1101, JEPB]

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Section III. EMISSIONS UNITS AND SPECIFIC CONDITIONS. {*Permitting Note: Strikethroughs indicate items ~~deleted~~ and double underlined font indicates items added.}*

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
007	Spray Coating Booths

Four (4) spray coating booths for the application of coatings to freight containers (topcoat and primer) and principal end items such as 5-ton trucks, tanks, chassis loading systems, aircraft ground support equipment, and miscellaneous related parts. In addition, the four booths can be used to spray foam to produce enclosures for cold weather aircraft ground support equipment.

~~Control Device: Spray Coating Booth No. 1 has a dry filter system ducted to three (3) vents. Spray Coating Booth No. 3 has a dry filter system. Spray Coating Booths Nos. 2 and 4 are uncontrolled.~~

Control Device - Spray Coating Booth No. 3: Dry filter system; Spray Coating Booth No. 5: Dry filter system ducted to twelve (12) vents; Spray Coating Booths Nos. 2 and 4 are uncontrolled.

{This emissions unit is subject to Reasonably Available Control Technology (RACT) for Volatile Organic Compounds, Rule 62-296.513, FAC, Rule 2.1101, JEPB, Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB}

Essential Potential to Emit (PTE) Parameters

B.1. Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).
[Rule 62-210.200(PTE), F.A.C., Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.2. The maximum allowable VOC emissions shall not exceed ~~196.0 tons/yr~~ 245.0 tons/yr.
[Air Construction Permit No. 0310099-012-AC]

B.3. The maximum allowable HAP emissions shall not exceed 9.5 tons per year for any single HAP and 24.5 tons per year for total HAPs based on a 12-month rolling total.
[Air Construction Permit No. 0310099-012-AC]

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Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.4. Testing for demonstration of compliance shall be performed in accordance with EPA RM 24 (as described in 40 CFR 60, Appendix A) for VOC. Manufacturer's data sheets with VOC contents may be substituted with the approval of the Permitting Authority.
[Rule 62-296.513(4), FAC and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

B.5. Records shall be maintained on a monthly basis for the following:

a. Coatings usage
b. VOC and Hazardous Air Pollutant (HAP) content (lbs/gal) of coatings as applied
c. Solvent / thinner usage
d. VOC and HAP content of solvent / thinner
e. VOC and HAP emissions

Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request.
[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

B.6. Quarterly reports shall be submitted to the Permitting Authority describing the usage of solvents, coatings, and VOC/HAP contents and emissions. The quarterly reports shall be submitted by the 30th day of the following month after the end of each quarter (January - March, April - June, July - September, and October - December). The final report, which is due by the 30th of January for the quarter of October - December, shall include a synopsis of the preceding year.
[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

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The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
008	Abrasive Blast Booth

Removal of paint from large equipment such as lighters and various smaller sized vehicles and equipment. The primary blast media utilized is aluminum oxide. Steel shot may also be used.

Control Device - Two identical cartridge type dust collectors

{This emissions unit is subject to Reasonably Available Control Technology (RACT) for Particulate Matter, Rule 62-296.712, FAC, Rule 2.1101, JEPB, Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB }

Essential Potential to Emit (PTE) Parameters

C.1. The nominal volumetric flow rate from this emissions unit is 97,000 cubic feet per minute (cfm) for both baghouses (48,500 cfm each).
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

C.2. The maximum process rate of abrasive consumed shall not exceed 5 tons per hour.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

C.3. This emissions unit is allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC and Rule 2.1101, JEPB]; **Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC and Rule 2.1101, JEPB] shall apply to this emission unit.

C.5. Particulate Matter emissions shall not exceed 0.03 grains per dry standard cubic feet [24.94 pounds per hour and 109.24 tons per year (total for both dust collectors)].
[Rule 62-296.712(2), FAC and 2.1101, JEPB]

C.6. Visible emissions (VE) shall not exceed 5 percent opacity for each dust collector.
[Rule 62-296.712(2), FAC and 2.1101, JEPB]

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Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.
[Rule 62-296.712(3)(b), FAC and 2.1101, JEPB]

C.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.712(3)(a), FAC, Rule 2.1101, JEPB]

C.9. VE shall be tested at least once during each federal fiscal year.
[Rule 62-213.440(1)(b)1.b., FAC, Rule 62-297.310(7)(a)4.a., FAC Rule 2.501, JEPB, and Rule 2.1201, JEPB]

C.10. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB.
[40 CFR 64, Rule 62-204.800, FAC, Rule 62-213.440(1)(b)1.a., FAC, Rules 2.201 and 2.501, JEPB]

Recordkeeping and Reporting Requirements

C.11. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of two (2) years.
[Rule 62-296.700(6)(e), FAC, and Rule 2.1101, JEPB]

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Subsection D. Emissions Unit 009

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
009	Emergency Diesel Engine Generators

Two Cummins emergency diesel generators (front gate location - Model No. 125DSGAB; back gate location - Model No. 175DSHAB) and ~~two~~ three Generac emergency diesel generators (Building 104 - Model No. 7147820100; Building 100 - Model No. 7192580400; Building 200 – Model No. SD400)

Description of Engine	Year Built	Displacement/ Horsepower	Rule Applicability
175 kW Cummins Generator (Front Gate)	1/07/2009	1.48 liters/cylinder & 364 HP	40 CFR Part 60, Subpart IIII
125 kW Cummins Generator (Back Gate)	1/08/2009	1.12 liters/cylinder & 324 HP	40 CFR Part 60, Subpart IIII
130 kW Generac Emergency Generator	9/11/2006	1.25 liters/cylinder & 195 HP	40 CFR Part 60, Subpart IIII
400 kW Generac Emergency Generator	July 2006	2.17 liters/cylinder & 598 HP	40 CFR Part 60, Subpart IIII
400 kW Generac Emergency Generator (Building 200)	10/31/2011	2.17 liters/cylinder & 601 HP	40 CFR Part 60, Subpart IIII

{This EU is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart A, General Provisions, 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions.}

Essential Potential to Emit (PTE) Parameters

D.1. This emissions unit shall use diesel fuel that meets the following per-gallon standards required in 40 CFR 80.510(b) for non-road diesel:

a. The sulfur content for nonroad diesel fuel shall not exceed 15 ppm.
b. The nonroad diesel cetane index shall not be less than 40 or the aromatic content shall not exceed 35 volume percent.

[40 CFR 60.4207(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

D.2. The owner or operator shall operate and maintain the emergency stationary RICE according to the following:

(a) There is no time limit on the use of emergency stationary RICE in emergency situations.
(b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
(c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.

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(d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
[40 CFR 60.4211(f), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

D.3. The engines in this emissions unit shall not exceed the following standards of non-methane (NM) hydrocarbons + nitrogen oxides (NO_X), hydrocarbons, NOx, carbon monoxide (CO), and particulate matter (PM). The owner or operator shall comply with these emission standards over the entire life of the engine.

Engine	NM Hydrocarbons + NO_x	Hydrocarbons	NOx	CO	PM
175 kW Cummins Generator (Front Gate)	4.0 g/kW-hr	_____	_____	3.5 g/kW-hr	0.20 g/kW-hr
125 kW Cummins Generator (Back Gate)	4.0 g/kW-hr	_____	_____	5.0 g/kW-hr	0.30 g/kW-hr
130 kW Generac Generator	_____	1.3 g/kW-hr	9.2 g/kW-hr	11.4 g/kW-hr	0.54 g/kW-hr
400 kW Generac Generator	_____	1.3 g/kW-hr	9.2 g/kW-hr	11.4 g/kW-hr	0.54 g/kW-hr
400 kW Generac Generator (Building 200)	4.0 g/kW-hr	_____	_____	3.5 g/kW-hr	0.20 g/kW-hr

[40 CFR 60.4205(a), 40 CFR 60.4205(b), 40 CFR 60.4202(a)(2), 40 CFR 60.4206, Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Operation and Maintenance

D.4. The owner or operator shall operate the stationary combustion ignition RICE and control devices according to the manufacturer's emission-related written instructions.
[40 CFR 60.4211(a)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

D.5. The owner or operator shall only change those emission-related settings that are permitted by the manufacturer.
[40 CFR 60.4211(a)(2), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

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Monitoring Requirements

D.6. The owner or operator of an emergency stationary combustion ignition RICE that does not meet the standards applicable to non-emergency engines, shall install a non-resettable hour meter prior to startup of the engine.
[40 CFR 60.4209(a), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Compliance Requirements

D.7. The owner or operator of the pre-2007 model year stationary RICE of this emissions unit shall demonstrate compliance according to one of the methods specified below:

a. Purchase an engine certified according to 40 CFR Part 89 or Part 94, as applicable, for the same model year and maximum engine power.
b. Keep records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in 40 CFR 60.4212, as applicable.
c. Keep records of engine manufacturer data indicating compliance with the standards.
d. Keep records of control device vendor data indicating compliance with the standards.
e. Conduct an initial performance test to demonstrate compliance with emission standards according to the requirements specified in 40 CFR 40.4212, as applicable.

[40 CFR 60.4211(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

D.8. The owner or operator of the 2007 model year and later stationary RICE of this emissions unit has demonstrated compliance by purchasing engines certified to the emission standards specified in 40 CFR 60.4205(b) for the same model year and maximum engine power.

D.9. If the owner or operator does not install, configure, operate and maintain the emergency stationary combustion ignition RICE and control device according to the manufacturer's emission-related written instructions, or changes emission-related settings in a way that is not permitted by the manufacturer, the owner or operator shall demonstrate compliance as follows:

a. Keep a maintenance plan and records of conducted maintenance.
b. Maintain and operate the engine in a manner consistent with good air pollution control practices for minimizing emissions.
c. Conduct an initial performance test to demonstrate compliance with the applicable emission standards:
   (i) Within 1 year of startup or
   (ii) Within 1 year after an engine and control device is no longer installed, configured, operated and maintained in accordance with the manufacturer's emission-related written instructions or
   (iii) Within 1 year after the emission-related settings are changed in a way that is not permitted by the manufacturer.

[40 CFR 60.4211(g)(2), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

D.10. Records shall be maintained for the hours of operation of the engines for emergency and non-emergency engine usage, including maintenance checks and readiness testing. This shall include all hours of operation recorded through the non-resettable hour meter. The owner or operator shall record the time of operation of the engine and the reason the engine was in operation. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

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D.11. If the stationary RICE is equipped with a diesel particulate filter, the owner or operator shall keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
[40 CFR 60.4214(c), Rule 62-4.070(3), FAC, Rule 62-204.800(8), FAC, Rule 2.1401, JEPB and Rule 2.201, JEPB]

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Subsection E. Emissions Unit 010

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
010	Concrete Batch Plant

Concrete Batch Plant

Control Device - Baghouse dust collector

{This EU is regulated under Rule 62-296.414, F.A.C., Concrete Batching Plants, and Reasonably Available Control Technology (RACT) for Particulate Matter, Rule 62-296.700, FAC, Rule 2.1101, JEPB, Rule 62-204.800(11), F.A.C., and Rule 2.201, JEPB}

Essential Potential to Emit (PTE) Parameters

E.1. Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).
[Rule 62-210.200(PTE), F.A.C., Rule 2.301, JEPB]

Emission Limitations and Standards

{*Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}*

E.2. The maximum annual production rate shall not exceed 55,000 cubic yards of concrete.
[Rule 62-296.700(4), FAC and Rule 2.1101, JEPB]

E.3. Each dust collector exhaust point shall be tested annually for compliance with the visible emission limiting standard.
[Rule 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

E.4. Each dust collector exhaust point shall be tested for a minimum of 30 minutes or, if the operation is normally completed within less than 30 minutes and does not recur within that time, the test shall last for the length of the loading operation.
[Rule 62-297.310(4)(a)2.a., FAC, and Rule 2.1201, JEPB]

E.5. Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.
[Rule 62-296.414(1), FAC and Rule 2.1101, JEPB]

E.6. The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards. The following shall constitute reasonable precautions:

a. Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:

(1) Paving and maintenance of roads, parking areas, and yards.

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(2) Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.

(3) Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate matter.

(4) Reduction of stock pile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles.

b. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.
[Rule 62-296.414(2), FAC and Rule 2.1101, JEPB]

Test Methods and Procedures

E.7. Testing for demonstration of compliance shall be performed annually from the date of October 22, 2012 in accordance with EPA Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.414(3)(a), FAC, and Rule 2.1101, JEPB]

E.8. Test procedures shall meet all applicable requirements of Rule 62-297.310, FAC.
[Rule 62-296.414(3)(b), FAC and Rule 2.1101, JEPB]

E.9. Visible emissions tests of silo dust collector exhaust points shall be conducted while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice. If emissions from the weigh hopper (batcher) operation are also controlled by the silo dust collector, then the batching operation shall be in operation during the visible emissions test. The batching rate during the emissions test shall be representative of the normal batching rate and duration. Each test report shall state the actual silo loading rate during emissions testing and, if applicable, whether or not batching occurred during emissions testing.
[Rule 62-296.414(3)(c), FAC, and Rule 2.1101, JEPB]

E.10. If emissions from the weigh hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions tests of the weigh hopper (batcher) dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.
[Rule 62-296.414(3)(d), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

E.11. An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Permitting Authority upon request. Records shall be maintained on file for a minimum period of two (2) years.
[Rule 62-296.700(6)(e), FAC, and Rule 2.1101, JEPB]

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Subsection F. Emissions Unit 011

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
011	Emergency Propane Engine Generators

Two (2) emergency generators fueled with propane. The unit located near Building 350 is manufactured by Kohler, Model No. 30R2272. The unit located near Building 450 is manufactured by Generac, Model No. QF03524KVAN.

Description of Engine	Year Built	Displacement/ Horsepower	Rule Applicability
30 kW Kohler Emergency Generator	Prior to 2005	< 10 liters/cylinder & 40 HP	40 CFR Part 63, Subpart ZZZZ
30 kW Generac Emergency Generator	Prior to 2005	2.4 liters/cylinder & 168 HP	40 CFR Part 63, Subpart ZZZZ

{**Permitting Note:** This permit section addresses existing, emergency stationary spark ignition (SI) reciprocating internal combustion engines (RICE) constructed prior to June 12, 2006 with a site rating of less than 500 brake horsepower (HP) and with an engine displacement of less than 10 liters per cylinder located at a major source of HAP emissions.}

{This EU is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR 63, Subpart A, General Provisions}

~~2. The permittee shall comply with the following operating limitations no later than October 19, 2013. [40 CFR 63.6595(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]~~

Essential Potential to Emit (PTE) Parameters

F.1. The emergency stationary RICE shall be operated according to the following requirements:

(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 following purposes for a maximum of 100 hours per calendar year.

(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 in Appendix GP 63), 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.

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(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 an electric grid. The 50 hours per year can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

[40 CFR 63.6640(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.2. The owner or operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

F.3. The owner or operator shall comply with the following requirements as outlined in 40 CFR 63, Subpart ZZZZ, Table 2c.

a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend this interval, as provided in Specific Condition No. 6 below.
b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6602, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.4. The owner or operator has the option of using an oil analysis program to extend the oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil in **Specific Condition No. F.3.** for this emissions unit. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil

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F.4. continued:

when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator shall change the oil within 2 days or before commencing operation, whichever is later. The owner or operator shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the engine.
[40 CFR 63.6625(i), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.5. The owner or operator shall operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow their own maintenance plan which shall provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions.
[40 CFR 63.6625(e), 40 CFR 63.6640(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.6. Beginning January 1, 2015, if you operate or are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in **Specific Condition F.1.(2)(ii) and (iii) or F.1.(3)**, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.
[40 CFR 63.6604(b), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Monitoring Requirements

F.7. The owner or operator shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Compliance Requirements

F.8. Each unit shall be in compliance with the operating standards in this section at all times.
[40 CFR 63.6605(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.9. Operation and Maintenance of Equipment. At all times the owner or operator shall operate and maintain the stationary RICE, 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), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

F.10. You must report each instance in which you did not meet each emission limitation or operating limitation in **Specific Condition F.3.** These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in Appendix RR.

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F.10. continued:

If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.
[40 CFR 63.6640(b), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.11. The owner or operator shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) was operated and maintained according to their own maintenance plan.
[40 CFR 63.6655(e), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.12. The owner or operator shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator shall 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 engines are used for demand response operation, the owner or operator shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
[40 CFR 63.6655(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

F.13. The records in **Specific Condition Nos. F.11. and F.12.** for this emissions unit shall be kept and maintained for a minimum period of five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records shall be provided to the Permitting Authority upon request.
[40 CFR 63.6660, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

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Subsection G. Emissions Unit 012

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
012	Emergency Propane Engine Generator B-390

One (1) emergency generator fueled with propane located in Building 390, manufactured by Cummins, Model No. 30GGMC. The engine is a spark ignition, 4-stroke, rich burn engine.

Description of Engine	Year Built	Displacement/ Horsepower	Rule Applicability
30 kW Cummins Emergency Generator	10/10/2011	40 HP	40 CFR Part 60, Subpart JJJJ

{**Permitting Note:** This permit section addresses a new, emergency stationary spark ignition (SI) reciprocating internal combustion engine (RICE) constructed after January 1, 2009 with a site rating of more than 25 brake horsepower (HP) located at a major source of HAP emissions.}

{This EU is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart A, General Provisions, 40 CFR 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions.}

Essential Potential to Emit (PTE) Parameters

G.1. The owner or operator shall operate and maintain the emergency stationary RICE according to the following:

(a) There is no time limit on the use of emergency stationary RICE in emergency situations.
(b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
(c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.
(d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
[40 CFR 60.4243(d), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

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Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

G.2. The engine in this emissions unit shall not exceed the following standards of hydrocarbons + oxides of nitrogen (HC + NO_X) and carbon monoxide (CO). The owner or operator shall comply with these emission standards over the entire life of the engine.

Engine	HC + NO_X	CO
30 kW Cummins Emergency Generator	13.4 g/kW-hr	519 g/kW-hr

[40 CFR 60.4233(c), 40 CFR 60.4234, Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

G.3. The owner or operator shall operate the stationary RICE and control devices according to the manufacturer's emission-related written instructions. The owner or operator shall only change those emission-related settings that are permitted by the manufacturer.
[40 CFR 60.4243(a)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Monitoring Requirements

G.4. The owner or operator shall install a non-resettable hour meter upon startup of the emergency engine if the engine does not meet the standards applicable to non-emergency engines.
[40 CFR 60.4237(c), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

Compliance Requirements

G.5. If the certified stationary SI ICE and control device are not operated and maintained according to the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine, and compliance shall be demonstrated according to the following:

(a) A maintenance plan shall be kept and records of conducted maintenance.
(b) The engine shall be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions.
[40 CFR 60.4243(a)(2)(i), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

G.6. If the owner or operator does not operate and maintain the certified stationary SI ICE and control device according to the manufacturer's written emission-related instructions, the owner or operator is required to perform initial performance testing as indicated in 40 CFR 60.4244, however, subsequent performance testing is not required unless the stationary engine is rebuilt or undergoes major repair or maintenance.
[40 CFR 60.4243(f), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

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Recordkeeping and Reporting Requirements

G.7. The owner or operator shall keep the following records:

(a) Maintenance conducted on the engine.
(b) If the stationary SI ICE is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054 and 1060, as applicable.
(c) If the stationary SI ICE is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards.
[40 CFR 60.4245(a), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

G.8. The owner or operator shall keep the following records of operation:

(a) Hours of operation of the engine that is recorded through the non-resettable hour meter.
(b) Hours spent for emergency operation, including what classified the operation as emergency and
(c) Hours spent for non-emergency operation.
[40 CFR 60.4245(b), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

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Subsection H. Emissions Unit 001

The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
001	Abrasive Blast Booth

Emissions Unit Description: Removal of paint from refrigerated/non-refrigerated freight containers and principal end items such as chassis loading systems, front-end loaders, etc. The abrasive blast media utilized is aluminum oxide and steel shot. Aluminum oxide blast media is used on aluminum substrate and steel shot is used on steel substrate. Compliance Assurance Monitoring (CAM) does not apply.

Control Device(s): Wheelabrator, Model 36 WCC High Energy Pulse Cleaned Cartridge Dust Collector
Wheelabrator-Frye, Model 704C Dust Collector (ducted into the Mechanical Room)

Essential Potential to Emit (PTE) Parameters

H.1. The nominal volumetric flow rate from this emissions unit is 88,500 cubic feet per minute (cfm).

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

Emission Limitations and Standards

H.2. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5),FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

H.3. The hours of operation for this emissions unit shall not exceed 4,160 hours per year (hrs/yr).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

H.4. The maximum hourly abrasive blast media usage shall not exceed 18.0 tons/hour.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

H.5. Particulate Matter (PM) emissions shall not exceed 0.03 grains per dry standard cubic feet [22.76 pounds per hour (lbs/hr) and 47.34 tons per year (tons/yr)].

[Rule 62-296.712(2), FAC, and Rule 2.1101, JEPB]

H.6. Visible emissions (VE) shall not exceed 5 percent opacity.

[Rule 62-296.712(2), FAC, and Rule 2.1101, JEPB]

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~~**Test Methods and Procedures**~~

~~**H.7.** Testing for demonstration of compliance, upon request, shall be performed in accordance with EPA Reference Method (RM) 5 (as described in 40 CFR 60, Appendix A) for particulate matter.~~

~~[Rule 62-296.712(3), FAC, and Rule 2.1101, JEPB]~~

~~**H.8.** Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.~~

~~[Rule 62-296.712(3), FAC, and Rule 2.1101, JEPB]~~

~~**H.9.** VE shall be tested annually from the date of December 1, 2011.~~
~~[Rule 62-213.440(1)(b)1.b., FAC, Rule 62-297.310(7)(a)4.a., FAC, Rule 2.501, JEPB, and Rule 2.1201, JEPB]~~

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SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix CAM, Compliance Assurance Monitoring Plan
Appendix GP 60, NSPS, Subpart A – General Provisions.
Appendix GP 63, NESHAP, Subpart A – General Provisions.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix 60 IIII, 40 CFR 60 (NSPS), Subpart IIII
Appendix 60 JJJJ, 40 CFR 60 (NSPS), Subpart JJJJ
Appendix 63 ZZZZ, 40 CFR 63 (NESHAP), Subpart ZZZZ

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