DEPARTMENT OF THE NAVY
NAVAL AIR STATION, JACKSONVILLE

FACILITY ID NO.: 0310215

DUVAL COUNTY

Title V Air Operation Permit Revision

Permit No. 0310215-052-AV
Revision of Title V Air Operation Permit No. 0310215-047-AV

Permitting Authority:

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Title V Air Operation Permit Revision

Permit No. 0310215-052-AV

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Final Permit No.: 0310215-052-AV
Facility ID No.: 0310215
SIC No.: 37
Project: Title V Air Operation Permit Revision

The purpose of this permit is to revise the Title V air operation permit for the above referenced facility to incorporate provisions from Construction Permit Nos. 0310215-044-AC, 0310215-045-AC, and 0310215-050-AC. The existing Naval Air Station, Jacksonville is located in Duval County at 6801 Roosevelt Blvd., Jacksonville, Florida. UTM Coordinates are: Zone 17, 434.186 km East and 3343.245 km North; Latitude: 30^0 13′ 14″ North and Longitude: 81^0 41′ 02″ 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.

Effective Date: **March 7, 2014**
Revision Effective Date: **March 2, 2015**
Renewal Application Due Date: **July 25, 2018**
Expiration Date: **March 7, 2019**

_____
Richard S. Rachal III, P.G.
Permitting Program Administrator

RSR/bcs

Subsection A. Facility Description.

The Naval Air Station (NAS), Jacksonville Complex, is located in Duval County, in the northeastern sector of Florida. This naval base occupies about 3400 acres along the west bank of the St. Johns River. The base is approximately 30 miles inland from the Atlantic Ocean and 13 miles south of downtown Jacksonville. The main gate to the base can be accessed at about 3 miles north of the intersection of U.S. Highway 17 (US 17) and Interstate 295 (I-295) on US 17 (also known as Roosevelt Boulevard). Although the NAS complex consists of over 115 individual commands, for the purpose of this permit air pollutant emissions may be categorized as belonging to one of three major organizations as follows:

1. NAS provides training of aircraft crews and commands, supports fleet and shore based personnel, maintains and operates facilities, and provides services and materials to support operation of the aviation activities. Air pollutant emitting activities associated with NAS primarily result from operation and maintenance of military aircraft.

2. The Public Works Department (PWD) maintains support facilities, such as the boiler plants and other utilities. PWD contracts facility maintenance operations with an outside contractor. Air pollution activities are primarily from combustion of fuels in boilers.

3. The Fleet Readiness Center Southeast (FRCSE) is a merger of the former Naval Air Depot, an organization that has been in operation since 1940 performing in-depth (Level 3) maintenance, repair and rework of naval aircraft, and the former Aircraft Intermediate Maintenance Division, which performed intermediate (Level 2) maintenance and repair of naval aircraft and ground support equipment, into one organization. With over 4,000 employees it occupies more than 50 buildings in over 102 acres at the east end of NAS and along the primary runway. FRCSE personnel perform in-depth and intermediate level maintenance, repair, and rework of naval aircraft, engines, components, accessories, and ground support equipment. Most of the air pollutant emitting activities at the NAS Jacksonville complex are located within FRCSE, and consist of activities such as aircraft surface coating and depainting operations, solvent use operations, a chrome electroplating facility, abrasive blasting operations, engine testing, intermediate maintenance of military aircraft, corrosion control, and aircraft engine repair.

Intermediate level maintenance performed by FRCSE consists of several divisions that perform various maintenance activities:

a. The 400 Division performs maintenance on aircraft engines.
b. The 500 Division is responsible for airframes maintenance.
c. The 600 Division performs maintenance on aircraft electronic equipment.
d. The 700 Division performs maintenance on aircraft weapons and ordnance systems.
e. The 800 Division maintains life support equipment on the aircraft.
f. The 900 Division performs maintenance on aircraft ground support equipment.

Subsection B. Summary of Emissions Units.

Abrasive Blasting Operations

EU ID No.	Brief Description
015	Abrasive Blasting Booth, Bldg. 101
064	Abrasive Blasting Booth, Bldg. 794
065	Abrasive Blasting Booth, Bldg. 794
066	Abrasive Blasting Booth, Bldg. 794
070	Abrasive Blasting Booth, Bldg. 200
103	Three Abrasive Blasting Booths, Bldg. 794
105	Abrasive Blasting Booth, Hangar 101S
113	Abrasive Blasting Booth No. 1, Bldg. 101
114	Abrasive Blasting Booth No. 2, Bldg. 101
116	Abrasive Blasting Booth, Bldg 1952

Steam Generating Boilers

072	Steam Boiler No. 2, 300 HP Johnston Boiler Co., (EC030) [Bldg H-2032]
076	Steam Boiler No. 3, 300 HP Johnston Boiler Co., (EC194) [Bldg. H-2032]
079	Note: Now listed as an Insignificant EU
087	EU087 Steam Plant A, (EC048, EC048, EC049). Bldg 85
088	Steam Plant C, Bldg. 86
089	Steam Plant F, Bldg. 88
090	Steam Plant G
115	Boiler No. F-1, Bldg. H2032

Chrome Plating Operation

043	Chrome Plating Shop, Bldg. 794

Plasma Coating Operation

062	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794
063	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794
102	Two HVOF Spray Booths (Nos. 6 & 7), Bldg. 794

Surface Coating Operations

117	Five Paint Spray Booths, Bldg. 794
011	Aircraft Painting Hangar, Bldg. 868
083	Paint Spray Booth, Bldg. 190
052	Bearing Shop, Bldg. 101
056	Aircraft Paint Stripping Hangar 101S

084	Fugitive VOC and HAP Emissions from Organizational Level (Squadrons) Aircraft Maintenance Activities
085	Fugitive VOC and HAP Emissions from Paints and Solvents used at FRCSE
086	Paint Spray Booth, Bldg 101S
093	Binks Paint Booth
094	Two Paint Spray Booths
106	Paint Spray Booth, Bldg. 724, FRCSE Shop 430
107	Paint Spray Booth, Hangar 1000, FRCSE Shop 51A
111	Paint Spray Booth, Hanger 124
112	Paint Spray Booth, Bldg. 101W

Concrete Batching Operations

110	Concrete Batching Plant(s)

Emergency Engines

120	$\geq$ 500 hp Existing Emergency Stationary CI IC Engines
121	$\geq$ 500 hp New Emergency Stationary CI IC Engines
122	$\leq$ 500 hp Existing Emergency Stationary CI IC Engines
123	Subpart IIII Emergency Stationary CI ICE Pre-2007 Engines
124	Subpart IIII Emergency Stationary CI ICE 2007 and after Engines
125	Subpart JJJJ Emergency Stationary SI ICE 2007 and after Engines

Gasoline Dispensing Facilities (GDF)

119	Gasoline Dispensing Facilities (GDF)

Boilers Subject to 40 CFR 63 Subpart DDDDD

126	Boilers Subject to 40 CFR 63 Subpart DDDDD

Note: Please reference the Permit No., Facility ID No., and appropriate Emission Unit ID No(s). on all correspondence, test report submittal, applications, etc.

Subsection C. Applicable Regulations.

Based on the Title V air operation permit revision application received December 18, 2014, this facility **is a** major source of hazardous air pollutants (HAP). The existing facility is 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).
40 CFR 60, Subpart A, NSPS General Provisions	072, 076, 087, 088, 089, and 115, 123, 124 and 125
40 CFR 60, Subpart Dc	072, 076, 087, 088, 089, and 115
40 CFR 63, Subpart A, NESHAP General Provisions	015, 103, 105, 113, 043, 117, 011, 083, 052, 056, 072, 076, 084, 085, 086, 093, 094, 106, 107, 111, 112, 116, 120, 121, 122, 126 and 127
40 CFR 63, Subpart GG	015, 103, 105, 113, 116, 117, 011, 083, 052, 056, 084, 085, 086, 093, 094, 106, 107, 111, and 112
40 CFR 63, Subpart N	043
40 CFR 60, Subpart IIII	123, 124
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40 CFR 63, Subpart ZZZZ	120, 121, 122
40 CFR 63, Subpart DDDDD	072, 076, 126
State Rule Citations (Rule 62-296.700, FAC, BACT, Rule 2.1101, JEPB, Reasonably Available Control Technology (RACT), Rule 62-296.712, FAC, Rule 62-296.406, F.A.C., Rule 2.201, JEPB, and Rule 62-296.414)	015, 064, 064, 066, 070, 114, 116, 072, 076, 087, 088, 089, 115, 043, 062, 063, 102, and 103

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. Not federally Enforceable. 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.]

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 2.1201, 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. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

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.]

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 (3)(b), F.A.C.]

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 27P-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.

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://www2.epa.gov/rmp. 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 27P-21, F.A.C.]

FW10. Not federally Enforceable. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and Jacksonville Environmental Protection Board (JEPB), Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

FW11. Not federally Enforceable. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIV.

FW12. 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.

{Permitting Note: This rule cannot override a NSPS or NESHAP provision.}

[Rule 62-210.700(1)(4) and (6), FAC, and Rule 2.301, JEPB]

FW13. It is noted that limited spray application of coatings containing inorganic HAP(s) is performed in Air Rework Hangars 30, 101, 101W, 113, 114, 115, 117, 124, 140, 511, 1000, and 1122. The application is limited to areas of the aircraft (primarily the inside of wings) which are not accessible until after the exterior of the aircraft has been coated with primer and/or topcoat. This spray application is exempt from 40 CFR 63.745(g) (1 through 3) in accordance with 40 CFR 63.745(g)(4). See Appendix U-1, EU 096, Aerospace NESHAP Exempt Inorganic Coating Activities.

FW14. A Title V source which contains an emissions unit that commences operation or is modified shall submit an application for a permit revision, or a supplement to a pending application, at least ninety days prior to expiration of the unit's air construction permit, but no later than 180 days after the emissions unit commences operation or commences operation as modified. Any source that contains an emissions unit that has not commenced operation or which has not demonstrated initial compliance with all applicable requirements by the time that the source submits its application for a Title V permit, permit revision, or permit renewal may include such emissions unit in the application, provided the source submits a compliance schedule and methodology, in accordance with paragraph 62-213.420(3)(l), F.A.C.

[Rule 62-213.420(1)(a)3. F.A.C]

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

EU No.	Brief Description
-015	Abrasive Blasting Booth, Building 101 (AB017)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description:	Abrasive blasting and cleaning of components (including aerospace components) is conducted using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media.
Particulate Matter (PM) Control Device:	Pauli Systems Cartridge baghouse in series with HEPA filter with a nominal air flow of 23,400 dry standard cubic feet per minute (dscfm).

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG and 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], Rule 62-296.712, F.A.C; 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.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

A.1. **Maximum Process Rate**. The maximum process rate of abrasive blast material to the blaster shall be 3,400 pounds per hour (lbs/hr).

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

A.2. **Hours of Operation**. This EU shall be allowed to operate a maximum of 4,160 hours per year (hrs/yr).

[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

A.3. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

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.}*

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **A.4.-A.5**. are based on the specified averaging time of the applicable test method.

A.4. **Visible Emissions**. Visible Emissions (VE) shall be limited to five (5) percent (%) opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

A.5. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [3.92 lbs/hr and 8.15 tons per year (tons/yr)].

[Rule 62-296.712, F.A.C, and Rule 2.1101, JEPB]

A.6. The owner/operator shall operate the blasting booth, air handling and collection system, the baghouse, and the HEPA filter in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.

[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.7. The owner/operator shall only perform the depainting (blasting) operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse and HEPA filter prior to discharge to the atmosphere.

[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.8. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

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

[Rule 62-296.700(3) & (4), Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

A.10. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

A.11. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

A.12. PM testing shall be conducted upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING REQUIREMENTS

A.13. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

A.14. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.

[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.15. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.

[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.16. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.17. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
(c) Periods of Malfunction:
  (A) Equipment or technique which malfunctioned
  (B) Date that the malfunction occurred

A.17. Continued:

(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected
(G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted

(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[Applicant's Request, 40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.18. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)

(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.19. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use (quantity and type) of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above. [Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

GENERAL PROVISIONS APPLICABILITY TO SUBPART GG

A.20. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

A.21. <u>Other Reporting Requirements</u>. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-064	Abrasive Blasting Booth, Bldg. 794 (AB013)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components are conducted using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media.

PM Control Device: Clemco Baghouse Model Number (M/N) LBL0257 with an estimated maximum airflow rate of 6,400 dscfm.

{This EU is regulated under 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.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

B.1. **Maximum Process Rate**. The maximum process rate of abrasive blast material to the blasting operation shall be 2,700 lbs/hr.

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

B.2. **Hours of Operation.** This EU shall be allowed to operate 4,160 hrs/yr.

[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

B.3. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

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.}*

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **B.4.-B.5**. are based on the specified averaging time of the applicable test method.

B.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [1.65 lbs/hr and 3.42 tons/yr].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

B.5. **Visible Emissions**. VE shall be limited to 5 % opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

B.6. 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, FAC, and Rule 2.1101, JEPB]

B.7. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

B.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

B.9. PM testing shall be conducted upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

B.10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

B.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

EU No.	Brief Description
-065	Abrasive Blasting Booth, Bldg. 794 (AB011)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components are conducted using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media.

PM Control Device: Torit Donaldson Cartridge Dust Collector Baghouse M/N 3DF-24 with an estimated maximum airflow rate of 11,000 dscfm.

{This EU is regulated under 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.

EMISSION LIMITATIONS AND STANDARDS

C.1. **Maximum Process Rate**. The maximum process rate of abrasive blast material to the blasting operation shall be 1,900 lbs/hr.

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

C.2. **Hours of Operation**. This EU shall be allowed to operate 4,160 hrs/yr.

[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

C.3. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

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.}*

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **C.4.-C.5**. are based on the specified averaging time of the applicable test method.

C.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [2.83 lbs/hr and 5.88 tons/yr].
[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

C.5. **Visible Emissions**. VE shall be limited to 5% opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

C.6. 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, FAC, and Rule 2.1101, JEPB]

C.7. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

C.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

C.9 PM testing shall be conducted upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

C.10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

C.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection D. Emissions Unit 066-Abrasive Blasting Booth, Bldg. 794

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

EU No.	Brief Description
-066	Abrasive Blasting Booth, Bldg. 794 (AB012)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components are conducted using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media.

PM Control Device: Torit Donaldson Cartridge Dust Collector Baghouse M/N 3DF-24 with an estimated maximum airflow rate is 11,000 dscfm.

{This EU is regulated under Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units [Rule 62-296.700(3), FAC, Rule 62-296.712, 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.

EMISSION LIMITATIONS AND STANDARDS

D.1. **Maximum Process Rate**. The maximum process rate of abrasive blast material to the blasting operation shall be 700 lbs/hr.

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

D.2. **Hours of Operation.** This EU shall be allowed to operate 4,160 hrs/yr.

[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

D.3. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **D.4.-D.5**. are based on the specified averaging time of the applicable test method.

Subsection D. Emissions Unit 066-Abrasive Blasting Booth, Bldg. 794

D.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [2.83 lbs/hr and 5.88 tons/yr].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

D.5. **Visible Emissions**. VE shall be limited to 5 % opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

D.6. 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, FAC, and Rule 2.1101, JEPB]

D.7. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

D.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

D.9. PM testing shall be conducted upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

D.10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

D.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-070	Abrasive Blasting Booth, Bldg. 200 (AB001)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components is conducted using aluminum oxide, steel grit, glass, corn starch (CHP), plastic, or similar materials as blast media.

PM Control Device: Pulse Jet Cartridge Type Dust Collector with an estimated maximum airflow rate is 15,950 dscfm.

{This EU is regulated under 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.

EMISSION LIMITATIONS AND STANDARDS

E.1. **Maximum Process Rate**. The maximum process rate of aluminum oxide, steel grit, glass, corn starch (CHP), plastic, or similar materials as abrasive blast material shall be limited to 3,200 lbs/hr.

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

E.2. **Hours of Operation.** This EU shall be allowed to operate 4,160 hrs/yr.

[Applicant's Request, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

E.3. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **E.4.-E.5**. are based on the specified averaging time of the applicable test method.

E.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [4.10 lbs/hr and 8.53 tons/yr].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

E.5. **Visible Emissions**. VE shall be limited to 5% opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

E.6. 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, FAC, and Rule 2.1101, JEPB]

E.7. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

E.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

E.9. PM testing shall be conducted upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

E.10. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

E.11. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-103	Three Abrasive Blasting Booths in Bldg. 794 (AB065, AB066 & AB067)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

One stack serving three abrasive blast booths, permitted as one unit.

Emission Unit Description: Three abrasive blasting booths using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media. Blasting will be used to clean aircraft engine and landing gear parts prior to plating. Other aircraft components may also be cleaned using abrasive blast media in these booths.

Emission Control Device: The three blast booths will be vented to a single Donaldson-Torit cartridge dust collector and HEPA filter.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG, shall apply to this emission unit.}

{This EU is regulated under 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, Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB.]; and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]}

EMISSION LIMITATIONS AND STANDARDS

F.1. **Hours of Operation.** The hours of operation for this EU shall not exceed 4,160 hrs/yr.

[Permit No. 0310215-050-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

F.2. **Maximum Charging Rate.** The estimated maximum charging rate to the blasting system (three booths total) is 24,634.18 tons/yr of abrasive blasting media.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

F.3. **Maximum Airflow Rate.** The estimated maximum airflow rate for this emission unit is 33,150 dscfm (combined air flow for all three booths). The discharge stack height is 51 ft. with an exit diameter of 2.75 ft. and an exit temperature of 77 degrees Fahrenheit.

[Permit Nos. 0310215-044-AC and 0310215-050-AC; Rule 62-296.700(4)(a), FAC, and Rule 2.1101, JEPB]

F.4. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **F.7. and F.9.** are based on the specified averaging time of the applicable test method.

F.5. **Visible Emissions**. VE shall be limited to a maximum opacity of 5%.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

F.6. **PM Emissions**. PM emissions from the emission discharge point shall not exceed 0.008 gr/dscf, equivalent emissions are 4.73 tons/yr and 2.27 lbs/hr.

[Permit No. 0310215-050-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

F.7. The owner or operator shall not circumvent the provisions of an applicable emission limitation by increasing the volume of gas in any exhaust or group of exhausts for the purpose of reducing the stack gas concentration. This includes allowing dilution air to enter the system through leaks, open vents, or similar means.

[Permit No. 0310215-050-AC, Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB]

F.8. The owner/operator shall operate the blasting booth, air handling and collection system, the baghouse and the HEPA filter in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.9. The owner/operator shall only perform the depainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse and HEPA filter prior to discharge to the atmosphere.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.10. The owner/operator shall conduct the handling and transfer of all wastes produced from this operation which may contain HAP materials to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

F.11. 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. The minimum testing time shall be 30 minutes.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, Rule 62-296.712, FAC, Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

F.12. VE testing shall be conducted each federal fiscal year (October 1 – September 30).

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

F.13. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 30 dscf.

[Permit No. 0310215-050-AC, Rule 62-297.310(7)(b), FAC, Rule 62-204.800, FAC, Rule 62-296.712(3)(b), FAC, and Rule 2.1201, JEPB]

F.14. PM testing shall be conducted prior to obtaining a renewed operation permit. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particulate stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING REQUIREMENTS

F.15. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.16. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.17. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.18. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
(c) Periods of Malfunction:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected
(G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted
(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.19. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.20. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be made available to the Permitting Authority upon request. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above.

[Permit Nos. 0310215-044-AC and 310215-050-AC, Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

F.21. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1401, JEPB, and Rule 2.501, JEPB]

General Provisions Applicability to Subpart GG

F.22. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

[Permit Nos. 0310215-044-AC and 0310215-050-AC, 40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

F.23. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-105	Abrasive Blasting Booth, Hangar 101S AB089[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting booth using aluminum oxide, glass, corn starch (CHP), plastic, or similar materials as blast media.

PM Control Device: Cartridge Fabric Filter

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions}

EMISSION LIMITATIONS AND STANDARDS

G.1. The nominal airflow is estimated at 257,400 dscfm.

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

G.2. Abrasive blasting media use shall be limited to 3,494.4 tons/yr.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB, Applicant's Request]

G.3. **Hours of Operation.** This EU shall be allowed to operate 4,160 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB, Applicant's Request]

G.4. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

{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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **G.5.-G.6**. are based on the specified averaging time of the applicable test method.

G.5. **PM/ PM_{10} Emissions**. PM and PM_{10} emissions shall be limited to 3.0 lbs/hr and 6.24 tons/yr.
Note: Compliance with the PM limitation demonstrates compliance with the PM_{10} limitation.

[Applicant's request, Rule 62-296.700(2)(c), FAC, and Rule 2.1101, JEPB]

G.6. **Visible Emissions**. VE shall be limited to 5% opacity.

[Rule 62-297.620(4), FAC, and Rule 2.1201, JEPB]

G.7. 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG, shall apply to this emission unit.

G.8. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.

[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.9. The owner/operator shall only perform the depainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.

[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.10. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

G.11. 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. The minimum testing time shall be 30 minutes.

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

G.12. VE testing shall be conducted each federal fiscal year (October 1 – September 30).

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

G.13. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM emission rate. The minimum sample volume shall be 30 dscf.

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

G.14. PM testing shall be conducted approximately 270 days prior to the permit expiration date. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particular stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

RECORDKEEPING AND REPORTING

G.15. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.

[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.16. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.

[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.17. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.18. For spot stripping and decal removal the owner/operator shall keep records of the volume of organic HAP containing chemical stripper or weight of organic HAP used, the average annual volume of organic HAP containing chemical stripper or weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations.

[40 CFR 63.752(e)(6), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.19. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed

G.19. Continued:

(c) Periods of Malfunction:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected
(G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted

(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.20. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)

(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.21. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above.

[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

G.22. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1401, JEPB, and Rule 2.501, JEPB]

GENERAL PROVISIONS APPLICABILITY TO SUBPART GG

G.23. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

G.24. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-113	Abrasive Blasting Booth No. 1, Bldg. 101 AB106[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components, including wings and stabilizers; conducted using aluminum oxide, glass, corn hybrid polymer (CHP), plastic, or similar materials as abrasive blast material. Located in Building 101.

PM Control Device: Pauli Systems QX Filter Cartridge Dust Collector/Baghouse with an estimated maximum airflow rate of 22,000 dscfm.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

EMISSION LIMITATIONS AND STANDARDS

H.1. **Hours of Operation.** This EU shall be allowed to operate a maximum of 2,400 hrs/yr.

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

H.2. **Maximum Process Rate**. The maximum process rate of abrasive blast media to the blasting operation shall be 1,000 lbs/hr.

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

H.3. 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

H.4. **Emissions Unit Operating Rate Limitation After Testing**. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

{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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **H.5.-H.6**. are based on the specified averaging time of the applicable test method.

H.5. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [5.66 lbs/hr and 6.79 tons/yr].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

H.6. **Visible Emissions**. Visible Emissions (VE) shall be limited to 5 % opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

H.7. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.

[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.8. The owner/operator shall only perform the depainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.

[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.9. The owner/operator shall conduct the handling and transfer of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

H.10. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

[Rule 62-297.401, FAC and Rule 2.1201, JEPB]

H.11. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

H.12. 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 the determination of the particulate matter (PM) emission rate.

[Rule 62-296.712(3)(b), FAC and Rule 2.1201, JEPB]

H.13. PM testing shall be conducted approximately 270 days prior to the permit expiration date. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particular stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

MONITORING

H.14. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

RECORDKEEPING AND REPORTING REQUIREMENTS

H.15. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Commencement of recordkeeping shall become effective on the date of the initial VE compliance test.

[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB, and Rule 2.501, JEPB]

H.16. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.

[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.17. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.

[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.18. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.19. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through
February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed.
(c) Periods of Malfunction:
  (A) Equipment or technique which malfunctioned
  (B) Date that the malfunction occurred
  (C) Description of the malfunction
  (D) Methods used to depaint aerospace vehicles during the malfunction
  (E) Dates that the alternative methods were begun and discontinued
  (F) Date that the malfunction was corrected
  (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures
(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted.
(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards.

[40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.20. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)

(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.21. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use (quantity and type) of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above.

[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

GENERAL PROVISIONS APPLICABILITY TO SUBPART GG

H.22. Table 1 of 40 CFR 63, Subpart GG defines the applicable parts of the General Provisions which apply to affected emissions unit.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

H.23. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-114	Abrasive Blasting Booth No. 2, Bldg. 101 AB107[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Abrasive blasting of aircraft components, including wings and stabilizers; conducted using aluminum oxide, glass, corn hybrid polymer (CHP), plastic, or similar materials as abrasive blast material. Located in Building 101.

PM Control Device: Pauli Systems QX Filter Cartridge Dust Collector/Baghouse with an estimated maximum airflow rate of 22,000 dscfm.

{This EU is regulated under 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]

EMISSION LIMITATIONS AND STANDARDS

I.1. <u>Hours of Operation</u>. This EU shall be allowed to operate a maximum of 2,400 hrs/yr.

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

I.2. <u>Maximum Charging Rate</u>. The maximum process rate of abrasive blast media to the blasting operation shall be 1,000 lbs/hr.

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

I.3. 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.

I.4. <u>Emissions Unit Operating Rate Limitation After Testing</u>. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

{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.}

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **I.4.-I.5**. are based on the specified averaging time of the applicable test method.

I.5. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [5.66 lbs/hr and 6.79 tons/yr].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

I.6. **Visible Emissions**. Visible Emissions (VE) shall be limited to 5 % opacity.

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

I.7. The owner/operator shall operate the blasting booth, air handling and collection system, and the baghouse in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.

[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.8. The owner/operator shall only perform the depainting operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse prior to discharge to the atmosphere.

[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.9. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

I.10. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

[Rule 62-297.401, FAC and Rule 2.1201, JEPB]

I.11. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

I.12. 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 the determination of the particulate matter (PM) emission rate.

[Rule 296.712(3)(b), FAC and Rule 2.1201, JEPB]

I.13. PM testing shall be conducted approximately 270 days prior to the permit expiration date. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particular stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

Monitoring

I.14. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

RECORDKEEPING AND REPORTING REQUIREMENTS

I.15. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Commencement of recordkeeping shall become effective on the date of the initial VE compliance test.

[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB, and Rule 2.501, JEPB]

I.16. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.

[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.17. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.

[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.18. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.19. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed.
(c) Periods of Malfunction:
  (A) Equipment or technique which malfunctioned
  (B) Date that the malfunction occurred
  (C) Description of the malfunction
  (D) Methods used to depaint aerospace vehicles during the malfunction
  (E) Dates that the alternative methods were begun and discontinued
  (F) Date that the malfunction was corrected
  (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures
(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted.
(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards.

[40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.20. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)
(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.21. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use (quantity and type) of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above.

[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

GENERAL PROVISIONS APPLICABILITY TO SUBPART GG

I.22. Table 1 of 40 CFR 63, Subpart GG defines the applicable parts of the General Provisions which apply to affected emissions unit.

[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

I.23. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-116	Abrasive Blasting Booth 1952

Emissions Unit Description: Abrasive blasting of miscellaneous airplane components. Blast media includes glass beads, plastic media and any similar blast medias with a bulk density of no more than 100 lbs/cf. This emission unit is located in Building 1952 at the Fleet Readiness Center Southeast.

Particulate Matter Control Device(s): Donaldson Torit 3-36 Cartridge Filter followed by a HEPA Filter

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, 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] }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

J.1. The nominal volumetric flow rate from this emissions unit is 18,189 dscfm.

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

J.2. **Hours of Operation.** This EU shall be allowed to operate a maximum of 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

J.3. **Maximum Process Rate**. The maximum process rate shall not exceed 1,050 pounds per hour (lbs/hr) of abrasive blast media.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

J.4. **PM Emissions**. PM emissions shall not exceed 0.006 grains per dry standard cubic feet [0.935 lbs/hr and 4.10 tons/yr].

[0310215-038-AC, Rule 62-296.712(2), FAC, and 2.1101, JEPB]

J.5. **Visible emissions (VE).** Visible emissions (VE) shall not exceed 5 percent opacity.

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

J.6. The owner/operator shall operate the blasting booth, air handling and collection system, the baghouse, and the HEPA filter in accordance with manufacturer's specifications. During periods of malfunction of such equipment the owner/operator may use substitute materials during the repair period provided the substitute materials used are those available that minimize organic HAP emissions. In no event shall substitute materials be used for more than 15 days annually, unless such materials are organic HAP free.
[40 CFR 63.746(b)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.7. The owner/operator shall only perform the depainting (blasting) operation in the enclosed blasting booth. The airstream from the blast booth shall be passed through a baghouse and HEPA filter prior to discharge to the atmosphere.
[40 CFR 63.746(b)(4)(ii)(B), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.8. The owner/operator shall conduct the handling and transfer, of all wastes produced from this operation, which may contain HAP materials, to and from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.
[40 CFR 63.748, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

J.9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297.401, FAC and Rule 2.1201, JEPB]

J.10. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

J.11. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.
[Rule 296.712(3)(b), FAC and Rule 2.1201, JEPB]

J.12. PM testing shall be conducted approximately 270 days prior to the permit expiration date. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particular stack test.
[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING REQUIREMENTS

J.13. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Commencement of recordkeeping shall become effective on the date of the initial VE compliance test.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB, and Rule 2.501, JEPB]

J.14. The owner/operator shall maintain records of each type of aircraft depainted, a listing of the parts, subassemblies, and assemblies normally removed from the aircraft before depainting. Prototype, test models, or aircraft which exist in low numbers (i.e., less than 25 aircraft of any one type) are exempt from this requirement.
[40 CFR 63.752(e)(4), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.15. The owner/operator shall maintain records of the names and types of dry media blasting equipment used.
[40 CFR 63.752(e)(5)(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.16. The owner/operator shall maintain the following records during periods of malfunction of the dry media blasting system:

(A) Equipment or technique which malfunctioned
(B) Date that the malfunction occurred
(C) Description of the malfunction
(D) Methods used to depaint aerospace vehicles during the malfunction
(E) Dates that the alternative methods were begun and discontinued
(F) Date that the malfunction was corrected

[40 CFR 63.752(e)(5)(ii), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.17. The owner/operator shall submit semi-annual reports (every 6 months) for the period(s) September 1 through February 28 or 29, and March 1 through August 31. The reports shall be due May 1 for the September through February reporting period and November 1 for the March through August reporting period. The reports shall contain the following information:

(a) Identification of any 24 hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from exempt operations listed in 40 CFR 63.746(a), (b)(3), and (b)(5).
(b) Any new non-chemical depainting technique in use since the notification of compliance status or any subsequent semiannual report was filed
(c) Periods of Malfunction:

    (A) Equipment or technique which malfunctioned
    (B) Date that the malfunction occurred
    (C) Description of the malfunction
    (D) Methods used to depaint aerospace vehicles during the malfunction
    (E) Dates that the alternative methods were begun and discontinued
    (F) Date that the malfunction was corrected
    (G) All periods when the depainting operation was not shut down during a malfunction and/or when the depainting operation was not shutdown when measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

(d) A list of new and discontinued aircraft models depainted at the facility over the last 6 months and a list of the parts normally removed for depainting for each new aircraft model being depainted

J.17. Continued:

(e) If the depainting operation has been in compliance for the reporting period a statement signed by the responsible official stating that the operation was in compliance with the applicable standards

[40 CFR 63.753(d)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.18. The owner/operator shall submit annual reports (every 12 months) for the period September 1 through August 31. The reports shall be due November 1 each year. The reports shall contain the following information:

(a) The average volume per aircraft of organic HAP containing chemical strippers or weight of organic HAP used for spot stripping and decal removal operations if it exceeds the limits specified in 40 CFR 63.746(b)(3)

(b) The number of times the measured operational parameters were below or above limits specified by the equipment manufacturer or locally prepared operational procedures

[40 CFR 63.753(d)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.19. The owner/operator shall maintain records of the monthly operating hours of the blasting booth and shall maintain records of the monthly use (quantity and type) of abrasive blasting material. Semi-annual reports of this information shall be submitted to the Permitting Authority with the semi-annual reports required above.
[Rule 62-213.440(1)(b), FAC, and Rule 2.501, JEPB]

GENERAL PROVISIONS APPLICABILITY TO SUBPART GG

J.20. Table 1 to Subpart GG of Part 63 defines the applicable parts of the General Provisions which apply to affected emission units in 40 CFR, Subpart GG.
[40 CFR 63, Subpart GG, Table 1, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

J.21. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

J.22. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection K. Emissions Unit Nos. 072 and 076 - Boilers

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

EU No.	Brief Description	Fuel	MMBtu	Mfgr	Model #	Type
-072	Steam Boiler No. 2 (EC030)[1] STB[3] [Bldg H-2032]	NG/FO2[2]	13.00	Johnston	PFTA 300-4 L200	Gas 1
-076	Steam Boiler No. 3 (EC194)[1] STB[3] [Bldg. H2032]	NG/FO2[2]	13.00	Johnston	PFTA 300-4 L200	Gas 1

[1] Identification of Point on Plot Plan or Flow Diagram.
[2] Units burn fuel oil (FO #2) only during NG curtailment or emergencies. Unit will not exceed 48 hours/ yr testing on FO #2.
[3] HWB= Hot water boiler; STB= Steam boiler; HWH= Hot water heater; NG= Natural gas; FO2= Fuel oil #2.

Emission Unit Description: EU 072, Steam Boiler No. 2---300 HP Johnston Boiler Co. M/N PFTA 300-4
EU 076, Steam Boiler No. 3---300 HP Johnston Boiler Co. M/N PFTA 300-4

{This EU is regulated under 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, Best Available Control Technology (BACT), RACT Rule 62-296.406, F.A.C., and 40 CFR 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters}

EMISSION LIMITATIONS AND STANDARDS

K.1. **Maximum Heat Input (Each EU)**. Maximum heat input shall be limited to 13 X 10^6 Btu per hour (Btu/hr) while firing natural gas or No. 2 fuel oil. No. 2 fuel oil may be fired during natural gas curtailment or during emergency conditions. No. 2 fuel oil may be combusted a maximum of 400 hrs/yr.

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

K.2. **Hours of Operation.** These EUs shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

K.3. **Fuels**. Fuels which may be fired are natural gas or No. 2 fuel oil.

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

K.4. **Maximum Sulfur Content**. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).

[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, JEPB]

K.5. **Visible Emissions (VE).** VE shall be limited to 20% opacity continuous. Twenty seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

[Rule 62-296.406(1), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

K.6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.

K.7. VE compliance testing on each EU shall be conducted every 12 months from the date of January 31, 2009. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 270 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.

[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

K.8. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content.

[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING

K.9. The owner or operator shall submit reports to the Permitting Authority concerning the fuel oil sulfur limits to which the boiler is subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.

[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB]

K.10. The owner and operator shall record and maintain records of the amounts of each fuel combusted during each month.

[40 CFR 60.48c(g)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

K.11. The reporting period for **Specific Condition No. K.9** shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.

[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

K.12. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Permitting Authority.

[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

K.13. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

K.14. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

K.15. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

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

EU No.	Brief Description	Fuel	MMBtu	Mfgr	Model #	Type
-087	087-Steam Plant A, (EC047, EC048, EC049)[1], Bldg 85 STB[3]	NG/FO2[2]	25.11	Kewannee	H3S-750-G02	Gas 1

[1]Identification of Point on Plot Plan or Flow Diagram
[2] Units burn fuel oil (FO #2) only during NG curtailment or emergencies. Unit will not exceed 48 hours/ yr testing on FO #2.
[3] HWB= Hot water boiler; STB= Steam boiler; HWH= Hot water heater; NG= Natural gas; FO2= Fuel oil #2.

Emission Unit Description: **This EU consists of three Kewanee steam generating boilers**.

{This EU is regulated under Rule 62-296.406, F.A.C., Best Available Control Technology (BACT) and 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply to Boiler nos. A-1, A-2, and A-3, 40 CFR 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 40 CFR 63, Subpart A, General Provisions}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

L.1. **Hours of Operation.** This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr (each boiler).

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

L.2. **Maximum Heat Input**. The maximum heat input for each boiler shall be limited as follows:

Boiler No.	MM Btu Per Hour (Natural Gas)	MM Btu Per Hour (Fuel Oil)
A-1	31.4	30.3
A-2	31.4	30.3
A-3	31.4	30.3

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

L.3. **Fuels**. Fuels which may be fired are natural gas or No. 2 fuel oil.

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

L.4. **Maximum Sulfur Content**. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.

[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, JEPB]

L.5. **Visible Emissions (VE).** VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

[Rule 62-296.406(1), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

L.6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.

L.7. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2009. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 270 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.

[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

L.8. **A-1, A-2, and A-3.** Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).

[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING

L.9. **A-1, A-2, and A-3.** The owner or operator shall submit reports to the Permitting Authority concerning the fuel oil sulfur limits to which the boilers are subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.

[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB]

L.10. **A-1, A-2, and A-3.** The owner and operator shall record and maintain records of the amounts of each fuel combusted during each month.
[40 CFR 60.48c(g)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

L.11. **A-1, A-2, and A-3.** The reporting period for **Specific Condition No. L.9** shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.

[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

L.12. **A-1, A-2, and A-3.** Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Permitting Authority.

[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

L.13. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

L.13. These EUs are subject to Subsection II.

L.14. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

L.15. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description	Fuel	MMBtu	Mfgr	Model #	Type
-088	Steam Plant C (EC052, EC053, EC054)[1], Bldg 86 STB[3]	NG/FO2[2]	20.09	Kewannee	H3S-600-G02	Gas 1

[1]Identification of Point on Plot Plan or Flow Diagram
[2] Units burn fuel oil (FO #2) only during NG curtailment or emergencies. Unit will not exceed 48 hours/ yr testing on FO #2.
[3] HWB= Hot water boiler; STB= Steam boiler; HWH= Hot water heater; NG= Natural gas; FO2= Fuel oil #2.

Emission Unit Description: **This EU consists of three Kewanee steam generating boilers.**

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

{This EU is regulated under Best Available Control Technology (BACT), Rule 62-296.406(1), FAC, Rule 2.1101, JEPB and 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions and 40 CFR 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 40 CFR 63, Subpart A, General Provisions}

M.1. **Hours of Operations.** This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr (each boiler).

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

M.2. **Maximum Heat Input**. The maximum heat input for each boiler shall be limited as follows:

Boiler No.	MM Btu Per Hour (Natural Gas)	MM Btu Per Hour (Fuel Oil)
C-1	25.11	24.2
C-2	25.11	24.2
C-3	10.5	10.1

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

M.3. **Fuels**. Fuels which may be fired are natural gas or No. 2 fuel oil.

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

M.4. **Maximum Sulfur Content**. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.

[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, JEPB]

M.5. **Visible Emissions (VE).** VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

[Rule 62-296.406(1), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

M.6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.

M.7. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2009. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 270 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.

[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

M.8. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).

[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING

M.9. The owner or operator shall submit reports to the permitting authority concerning the fuel oil sulfur limits to which the boiler is subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.

[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB]

M.10. The owner and operator shall record and maintain records of the amounts of each fuel combusted during each month.

[40 CFR 60.48c(g)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

M.11. The reporting period for **Specific Condition No. M.9** shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.
[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

M.12. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Permitting Authority.

[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

M.13. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

M.14. This EU is subject to Subsection II.

M.15. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

M.16. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-089	Steam Boiler F-2 (EC056)[1], Bldg. 88 (Natural Gas)

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: This EU consists of one Kewanee steam generating boiler.

{This EU is regulated under Best Available Control Technology (BACT), Rule 62-296.406(1), FAC, Rule 2.1101, JEPB and 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, 40 CFR 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 40 CFR 63, Subpart A, General Provisions }

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

N.1. **Hours of Operation.** This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB

EMISSION LIMITATIONS AND STANDARDS

N.2. **Maximum Heat Input Rate**. The maximum heat input for the boiler shall be limited as follows:

Boiler No.	MM Btu Per Hour (Natural Gas)
F-2	14.65

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

N.3. **Fuels.** Fuel which may be fired is natural gas.

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

N.4. **Maximum Sulfur Content**. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.

[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, JEPB]

N.5. **Visible Emissions**. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

[Rule 62-296.406(1), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

N.6. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.

N.7. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2009. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 270 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.

[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

N.8. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).
[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING

N.9. The owner or operator shall submit reports to the permitting authority concerning the fuel oil sulfur limits to which the boiler is subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.

[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB]

N.10. The owner and operator shall record and maintain records of the amounts of each fuel combusted during each month.

[40 CFR 60.48c(g)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

N.11. The reporting period for **Specific Condition No. N.9.** shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.

[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

N.12. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Permitting Authority.

[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

N.13. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

N.14. This EU is subject to Subsection II.

N.15. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

N.16. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-115	Steam Boiler No. F-1 (EC055)[1], Bldg. H2032- Natural Gas and FO2

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: This EU consists of one Kewanee steam generating boiler.

{This EU is regulated under Rule 62-296.406(2), FAC, Rule 2.201, JEPB, Rule 2.1101, JEPB, 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions and Best Available Control Technology (BACT), 40 CFR 63, Subpart DDDDD-National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 40 CFR 63, Subpart A, General Provisions}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

O.1. **Hours of Operation**. This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB

EMISSION LIMITATIONS AND STANDARDS

O.2. **Maximum Heat Input Rate**. The maximum heat input for the boiler shall be limited as follows:

Boiler No.	MM Btu Per Hour (Natural Gas)	MM Btu Per Hour (Fuel Oil)
F-1	14.65	14.1

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

O.3. **Fuels.** Fuels which may be fired are natural gas or No. 2 fuel oil.

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

O.4. **Maximum Sulfur Content**. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the Best Available Control Technology (BACT) Determination. The maximum sulfur content of the fuel oil shall be limited to 0.05%, by weight.

[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, JEPB]

O.5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.

[Rule 62-296.406(1), FAC, and Rule 2.1101, JEPB]

O.6. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

TEST METHODS AND PROCEDURES

O.7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the provisions of 40 CFR 60.11, for the visual determination of opacity.

O.8. VE compliance testing on each emission point shall be conducted annually from the date of January 31, 2009. The test shall be a minimum of one (1) hour in length while firing fuel oil. Note: Testing may be delayed until the EU operates 400 hours while firing fuel oil or until 270 days prior to permit renewal, whichever occurs first. Once the EU has operated 400 or more hours while firing fuel oil, annual testing shall be required.

[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

O.9. Fuel oil sulfur content determination shall be in accordance with 40 CFR 60.44c(h). In addition to the requirements of 40 CFR 60.48c(f)(1) the fuel oil supplier shall certify that the fuel oil contains 0.05% by weight or less sulfur content. The 0.05%, by weight sulfur content limit is more stringent than the 0.5%, by weight sulfur content limit required by 40 CFR 60.42c(d).

[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING

O.10. The owner or operator shall submit reports to the permitting authority concerning the fuel oil sulfur limits to which the boiler is subject. The reports shall include calendar dates covered in the reporting period, fuel oil supplier certifications including the name of the oil supplier, a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c, a certification from the fuel oil supplier that states the fuel oil contains 0.05% by weight or less sulfur content, and a certified statement from the responsible official that the records of the fuel supplier certifications submitted represent all the fuel oil combusted during the reporting period.

[40 CFR 60.48c(d), (e), and (f), Rule 62-204.800, FAC, Rule 62-296.406(2), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB]

O.11. The owner and operator shall record and maintain records of the amounts of each fuel combusted during each month.

[40 CFR 60.48c(g)(2), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

O.12. The reporting period for **Specific Condition No. O.10** shall be every six (6) months. Reports shall be submitted within 30 days of the end of the reporting period, i.e., JAN-JUN report submitted by July 30, and JUL-DEC report submitted by January 30. The postmark date shall be the submitted date.

[40 CFR 60.48c(j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

O.13. Records and reports as required by 40 CFR 60.48c(a), (d), (e), (f), (g), (i), and (j) shall be submitted to the Permitting Authority.

[40 CFR 60, Subpart Dc, Rule 62-210.800, FAC, and Rule 2.301, JEPB]

O.14. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

O.15. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-043	Emission Unit No. 043-Chrome Plating Shop, Bldg. 794 (PR003)[1]

[1] Identification of Point on Plot Plan or Flow Diagram.

Emission Unit No. 043-Chrome Plating Shop, Bldg. 794.

Emission Unit Description: Small hard chrome electroplating of various metal parts.

Chromium Control Device: Composite mesh pad chromium mist eliminator with an estimated maximum airflow rate of 23,000 dscfm.

{This EU is regulated under 40 CFR 63, Subpart N—National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, Rule 62-204.800, FAC, and Rule 2.201, JEPB}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

P.1. **Hours of Operation**. This EU shall be allowed to operate 8,400 hrs/yr.

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

EMISSION LIMITATIONS AND STANDARDS

P.2. **Maximum Process Rate**. The maximum cumulative potential rectifier capacity is 9,000 amps hours and 52.92 million amp hours per year.

[40 CFR 63.341, Rule 62-201.800, F.A.C, Rule 2.201, JEPB and Applicant's Request Application 10/18/13]

Permitting Note: The maximum cumulative rectifier capacity equals (total installed rectifier capacity)(maximum potential operating schedule)(0.7) where 0.7 assumes that electrodes are energized 70 percent of the operating time.

Tank A-1	Rectifier A 1,000 Amps
	Rectifier B 1,000 Amps
Tank A-4	Rectifier A 1,000 Amps
	Rectifier B 1,000 Amps
	Rectifier C 2,000 Amps
Tank A-6	Rectifier A 1,000 Amps
	Rectifier B 1,000 Amps
	Rectifier C 1,000 Amps

P.2. Continued:

9,000 Amps = Total Installed Rectifier Capacity

(9,000 Amps)(8,400 hrs/yr)((0.7) = 52,920,000 Amp-hr/yr.

P.3. Total chromium emissions shall not exceed 0.015 milligrams of total chromium per dry standard cubic meter [mg/dscm] [6.6 X 10^{-6} grains per dry standard cubic foot (gr/dscf)].

[40 CFR 63.342(c)(1)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.4. Owners and operators (at all times including periods of startup, shutdown, and malfunction) shall operate and maintain any affected source including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices and consistent with the required operation and maintenance plan.

[40 CFR 63.342(f)(1)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.5. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the required operation and maintenance plan.

[40 CFR 63.342(f)(1)(ii), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.6. Operation and maintenance requirements are enforceable independent of emissions limitations or other requirements in relevant standards.

[40 CFR 63.342(f)(1)(iii), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.7. Operation and maintenance procedures shall be determined and reviewed in accordance with 40 CFR 63.342(f)(2)(i).

[40 CFR 63.342(f)(2)(i), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.8. The owner and operator shall prepare, follow and operate the source in accordance with the operation and maintenance plan as required by 40 CFR 63.342(f)(3).

[40 CFR 63.342(f)(3), Rule 62-204.800, FAC, Rule 2.201, JEPB]

COMPLIANCE/MONITORING

P.9. The owner or operator shall continuously monitor the pressure drop across the control device. The owner or operator shall record the pressure drop once each day during which the source operates.

[40 CFR 63.342(f)(3)(ii), Rule 62-204.800, FAC, Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

P.10. Testing to determine the chromium emissions shall be conducted in accordance with RM 306 or 306A. Testing procedures shall be in accordance with 40 CFR 63.344(a) and 40 CFR 63.344(c). Testing shall be conducted 270 days prior to permit expiration for permit renewal.

[40 CFR 63.344(a and c), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.11. The differential pressure monitoring device shall be in accordance with the manufacturer's accuracy specifications.

[40 CFR 63.344(d), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.12. During performance testing procedures specified in 40 CFR 63.344(e) shall be followed.

[40 CFR 63.344(e), Rule 62-204.800, FAC, Rule 2.201, JEPB]

RECORDKEEPING REQUIREMENTS

P.13. Records shall be kept in accordance with 40 CFR 63. 346 and 40 CFR 63, Subpart A requirements as identified in Table 1.

[40 CFR 63.346(a), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.14. The owner or operator shall maintain the following records:

a. Inspection records for the add-on air pollution control device
b. Records of all maintenance performed on the source, add-on air pollution control device, and monitoring equipment
c. Records of the occurrence, duration, and cause of malfunctions on the source, add-on air pollution control device, and monitoring equipment
d. Deviations from the operation and maintenance plan
e. Other records necessary to demonstrate consistency with the provisions of the O&M plan
f. Test reports of all performance tests
g. Measurements necessary to determine the conditions of the performance tests
h. Records of monitoring data required by 40 CFR 63.343(c)
i. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment
j. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment
k. Total process operating time of the source during the reporting period
l. Records of the total actual cumulative rectifier capacity of hard chromium electroplating tanks at the facility expended during each month of the reporting period

P.14. Continued:

m. All documentation supporting the notifications and reports required by 40 CFR 63.9, 10, and 347
n. All records shall be maintained for a period of 5 years in accordance with 40 CFR 63.10(b)(1)

[40 CFR 63.346(b), Rule 62-204.800, FAC, Rule 2.201, JEPB]

REPORTING REQUIREMENTS

P.15. Compliance status reports shall be submitted semi-annually or more frequently as required. The contents of the reports shall contain the information required by 40 CFR 63.347(g)(3). Reporting frequency shall be governed by 40 CFR 63.347.

[40 CFR 63.346(b), Rule 62-204.800, FAC, Rule 2.201, JEPB]

P.16. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

P.17. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection Q. Emission Unit No. 062- Two Plasma (Powdered Metal) Spray Booths, Bldg. 794

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

EU No.	Brief Description
-062	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794 (SC024)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Plasma Coating Operation

Emission Unit No. 062-Two Plasma (Powdered Metal) Spray Booths, Bldg. 794. (Application No. R16).

Emission Unit Description: Application of melted metal to various parts by the use of spray guns

PM Control Device: Donaldson Torit Baghouse, Model No. DFO 3-24with a HEPA filter (Controls 2 booths)

{This EU is regulated under 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, Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB.]; and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]}

EMISSION LIMITATIONS AND STANDARDS

Q.1. **Maximum Process Rate**. The maximum process rate of metal to the various parts shall be 120 lbs/hr per booth and 500,000 lbs/yr total for EU No. 062.

[Permit No. 0310215-044-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Q.2. **Maximum Airflow Rate.** The estimated maximum airflow rate for this emission unit is 7,000 dry standard cubic feet per minute (dscfm) - 3,500 dscfm for booth No. 4 and 3,500 dscfm for booth No. 5.

[Permit No. 0310215-044-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

Q.3. **Hours of Operation**. The hours of operation for this emission unit shall not exceed 4,160 hrs/yr.

[Permit No. 0310215-044-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

Q.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [1.8 lbs/hr and 3.74 tons/yr].

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

Q.5. **Visible Emissions**. VE shall be limited to 5% opacity.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

Q.6. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

Q.7. 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.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

Q.8. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

Q.9. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

Q.10. PM testing shall be conducted prior to obtaining a renewed operation permit. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particulate stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

Q.11. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

Q.12. The owner/operator shall maintain records of the monthly operating hours and the amount of metal applied for the two plasma booths. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be made available to the Permitting Authority upon request.

[Permit No. 0310215-044-AC, Rule 62-213.440(1)(b)2.b. and Rule 2.501, JEPB]

Q.13. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection R. Emission Unit No. 063- Two Plasma (Powdered Metal) Spray Booths, Bldg. 794

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

EU No.	Brief Description
-063	Two Plasma (Powdered Metal) Spray Booths, Bldg. 794 (SC025)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

(Application No. R16)

Emission Unit Description: Application of melted metal to various parts by the use of spray guns

PM Control Device: Donaldson Torit Baghouse, Model No. DFO 4-48 with a HEPA filter (Controls 2 booths)

{This EU is regulated under 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, Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB.]; and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]}

EMISSION LIMITATIONS AND STANDARDS

R.1. **Maximum Process Rate**. The maximum process rate of metal to the various parts shall be 120 lbs/hr per booth and 500,000 lbs/yr total for EU No. 062.

[Permit No. 0310215-044-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

R.2. **Maximum Airflow Rate.** The estimated maximum airflow rate for this emission unit is 12,000 dry standard cubic feet per minute (dscfm) - 3,500 dscfm for booth No. 1 and 8,500 dscfm for booth No. 3.

[Permit No. 0310215-044-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

R.3. **Hours of Operation**. The hours of operation for this emission unit shall not exceed 4,160 hrs/yr.

[Permit No. 0310215-044-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

R.4. **PM Emissions**. PM emissions shall be limited to 0.03 gr/dscf [3.09 lbs/hr and 6.43 tons/yr].

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

R.5. **Visible Emissions**. VE shall be limited to 5% opacity.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

Subsection R. Emission Unit No. 063- Two Plasma (Powdered Metal) Spray Booths, Bldg. 794

TEST METHODS AND PROCEDURES

R.6. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

R.7. 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.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

R.8. VE testing shall be conducted each federal fiscal year (October 1 – September 30). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

R.9. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM concentration.

[Permit No. 0310215-044-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

R.10. PM testing shall be conducted prior to obtaining a renewed operation permit. A visible emissions test indicating no visible emissions (5 percent opacity) may be submitted in lieu of a particulate stack test.

[Rules 62-296.712(3)(c) and 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING

R.11. Monitoring shall be performed in accordance with the Operating and Maintenance Plan (O&M). Records shall be provided upon request of the Permitting Authority.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

R.12. The owner/operator shall maintain records of the monthly operating hours and the amount of metal applied for the two plasma booths. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be made available to the Permitting Authority upon request.

[Permit No. 0310215-044-AC, Rule 62-213.440(1)(b)2.b. and Rule 2.501, JEPB]

R.13. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection S. Emission Unit No. 102-HVOF Thermal Spray Booth No. 7 and Existing Thermal Spray Booth No. 6, Bldg. 794

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

EU No.	Brief Description
-102	Emission Unit No. 102-HVOF Thermal Spray Booth No. 7 and Existing Thermal Spray Booth No. 6, Bldg. 794

Emission Unit Description**:** High Velocity Oxygen/Fuel Spraying system (booth No. 7 only). Metallic, ceramic, and polymeric coatings are heated into a plasma state and sprayed onto various aircraft components. Both Thermal Spray Booths (Nos. 6 and 7) are located in the Plasma Spray Shop (Bldg. 794).

Emission Control Device: PM emissions shall be controlled by a 20,000 Cubic Feet per Minute Sulzer Metco cartridge type Baghouse, Model No. SME 81-200. Discharge air from the baghouse is vented through a stack, which contains a 0.3 micron HEPA PM filter. The new and existing booths shall be vented to the collection and control system.

{This EU is regulated under Rule 62-296.700, F.A.C.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

S.1. **Hours of Operation**. This EU shall be allowed to operate continuously; i.e. 8,760 hrs/yr.

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

S.2. **Maximum Heat Input Rate**. The estimated maximum heat input to the HVOF system (each booth) is 4.83 X 10^9 Btu per year primarily firing natural gas. Other combustible fuels are also used in insignificant quantities.

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

S.3. **Charging Rate.** The estimated maximum charging rate to the HVOF system (each booth) is 43,800 lbs/yr of metallic coating.

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

Emission Limitations and Standards

S.4. **Visible Emissions**. VE shall be limited to a maximum opacity of 5%.
[Rule 62-297.620(4), FAC, and Rule 2.1201, JEPB]

S.5. **PM Emissions**. PM emissions shall be limited to a maximum of 0.22 lbs/hr and 0.95 tons/yr.

[Rule 62-296.700(2)(c), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

S.6. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

S.7. 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. The minimum testing time shall be 30 minutes. VE testing shall be conducted each federal fiscal year (October 1 – September 30).

[Rule 62-297.401, 62-297.310(7)(a)4.a., FAC, and Rule 2.1201, JEPB]

S.8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emission rate. The minimum sample volume shall be 25 dry standard cubic feet. Testing shall be performed upon request of the Permitting Authority.

[Rule 62-297.310(7)(b), 62-297.401, 62-297.310(4)(b), FAC, and Rule 2.1201, JEPB]

RECORD-KEEPING AND REPORTING REQUIREMENTS

S.9. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1401, JEPB, and Rule 2.501, JEPB]

S.10. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
117	Five Paint Spray Booths, Bldg. 794

Surface Coating/Solvent Use/Paint Stripping Operations

Emission Unit Description: Coatings are applied to aircraft engines and engine components.

PM Control Device: Paint booths PT-9, PT-10 and PT-11 are each equipped with a two stage dry particulate filter system. The estimated maximum airflow rate is 11,700 dscfm for each of these three booths. Paint booths CCAB-1 and CCAB-2 are each equipped with a three stage dry particulate filter system and a HEPA filter. The estimated maximum airflow rate is 12,000 dscfm for each of these two booths (total 59,100 dscfm).

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

T.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.
[Permit No. 0310215-045-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

T.2. **Maximum Process Rate**. The maximum process rate of tons of solvent in coating at this EU shall be limited to 5.48 tons/yr.

[Permit No. 0310215-045-AC, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB, and Permit AC16-240666]

Primer/Topcoat Application Operations

T.3. See Appendix PT

Cleaning Operations

T.4. See Appendix CO

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

EU No.	Brief Description
-011	Aircraft Painting Hangar, Bldg. 868 SC026[1]

[1]Identification of Point on Plot Plan or Flow Diagram

Emission Unit Description: Coatings are applied to aircraft.

PM Control Device: Each of 24 exhaust points on the hangar is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 44,000 dscfm for each of 24 exhaust stacks (total 1,056,000 dscfm).

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

U.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

U.2. **CAP Paints and Solvents**. The estimated maximum usage of paints and solvents for EU011 and EU111 combined is 28,000 gallons per year (gal/yr).

[Applicant Requested Title V Application No. 0310215-047-AV 10/18/13, Rule 62-210.200(PTE), F.A.C, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

U.3. See Appendix PT

Cleaning Operations

U.4. See Appendix CO

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

EU No.	Brief Description
-083	Paint Spray Booth, Bldg. 190 (SC032)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Coatings are applied to aircraft components.

PM Control Device: The booth is equipped with a two stage dry particulate filter system with an estimated maximum airflow rate of 15,000 dscfm.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

V.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

V.2. **Maximum Usage Rate**. The estimated maximum usage of paints and solvents for this EU is 2,000 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

V.3. See Appendix PT.

Cleaning Operations

V.4. See Appendix CO

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

EU No.	Brief Description
-052	Bearing Shop, Bldg. 101 (SU028, SU030, SU104, SU135, SU142, SU143)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Aircraft bearings are cleaned with various solvents.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

W.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

W.2. **Maximum Usage Rate**. The estimated maximum usage of non HAP cleaning solvents is 3,400 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Cleaning Operations

W.3. See Appendix CO

Subsection X. Emission Unit No. 056- Aircraft Paint Stripping and Cleaning, Hangar 101S

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

EU No.	Brief Description
-056	Aircraft Paint Stripping and Cleaning, Hangar 101S and 101 (SU054, SU055, SU086)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Aircraft and aircraft components are cleaned and stripped of paint using various solvents.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

X.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

X.2. **Maximum Usage Rate**. The estimated maximum usage of HAP and other non-HAP containing stripping solutions and cleaning solvents is 50,000 gallons per year.

[Applicant Requested Title V Application No. 0310215-047-AV 10/18/13, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

Cleaning Operations

X.3. See Appendix CO

Depainting Operation

X.4. See Appendix DO

EMISSION LIMITATIONS AND STANDARDS

X.5. The owner/operator shall emit no organic HAP from chemical stripping formulations and agents or chemical paint softeners except that [on an annual (calendar year) average basis per military aircraft depainted for spot stripping and decal removal] 50 gallons of organic HAP containing chemical strippers or alternatively 365 pounds of organic HAP material may be used.

[40 CFR 63.746(b)(1 & 3), 40 CFR 63.749 (f)(1), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

TEST METHODS AND PROCEDURES

X.6. The owner operator shall use the methods and procedures as specified in 40 CFR 63.750(j) to determine compliance with the emission limitations and standards for spot stripping and decal removal listed in **SC No. X.5 above.**

[40 CFR 63.750 (j), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

RECORD-KEEPING AND REPORTING REQUIREMENTS

X.7. The owner/operator shall maintain records, as appropriate, required by 40 CFR 63.752(e)(1, 4, and 6).

[40 CFR 63.752(e), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

X.8. The owner/operator shall submit reports, as appropriate, of the depainting operation as required by 40 CFR 63.753(d).

[40 CFR 63.753(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

X.9. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

X.10. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection Y. Emission Unit No. 084- Fugitive VOC and HAP Emissions from Organizational Level (Squadrons) Aircraft Maintenance Activities

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

EU No.	Brief Description
-084	Fugitive VOC and HAP Emissions from Organizational Level (Squadrons) Aircraft Maintenance Activities. (Vicinity of all squadron and transient squadrons and Hangars 30, 113, 114, 115, 116, 117,124, 511, 1000 and 1122)[1].

[1]Identification of Point on Plot Plan or Flow Diagram

Emission Unit Description: Solvents and paints are used in the organizational level (squadrons) maintenance of aircraft stationed at NAS Jacksonville. Aircraft washing operations are included in this EU.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, shall apply to this emission unit.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

Y.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

Y.2. **Maximum Usage Rate**. The estimated maximum usage of paints and solvents for EU Nos. 084 and 085 combined is 29,500 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

Y.3. See Appendix PT.

Cleaning Operations

Y.4 See Appendix CO

Subsection Z. Emission Unit No. 085- Fugitive VOC and HAP Emissions from Paints and Solvents used at FRCSE

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

EU No.	Brief Description
-085	Fugitive VOC and HAP Emissions from Paints and Solvents used at FRCSE (Vicinity of all FRCSE facilities)[1].

[1]Identification of Point on Plot Plan or Flow Diagram

Emission Unit Description: Paints and solvents are used in depot level maintenance and repair of aircraft and aircraft components at the FRCSE.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

Z.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

Z.2. **Maximum Usage Rate**. The estimated maximum usage of paints and solvents for EU nos. 084 and 085 combined is 29,500 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

Z.3. See Appendix PT. Operations specified in 40 CFR 63.741(f) and 40 CFR 63.745(g)(4) are exempt from the Inorganic HAP requirements specified in Appendix PT.

Cleaning Operations

Z.4. See Appendix CO

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

EU No.	Brief Description
-086	Paint Spray Booth, Bldg 101S (SC045)[1]

[1]Identification of Point on Plot Plan or Flow Diagram

Emission Unit Description: Application of solvents and paints to aircraft components.

PM Control Device: The booth is equipped with a three stage dry particulate filter system with an estimated maximum airflow rate of 15,000 dscfm.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

AA.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

AA.2. **CAP Paints and Solvents**. The estimated maximum usage of paints and solvents for EU Nos. 086, 093 and 094 combined is 21,900 gal/yr.

[Applicant's requested Application 10/18/2013, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

AA.3. See Appendix PT

Cleaning Operations

AA.4 See Appendix CO

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

EU No.	Brief Description
-093	Binks Paint Spray Booth Model Number PFA-1-18, Bldg. 101 (SC060)[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: New Binks Paint Spray Booth for the application of coatings to aircraft components.

Control Device: Cross draft ventilation captures paint over-spray and directs it to a three stage dry particulate matter filter system. The estimated maximum airflow rate is 30,000 dscfm.

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

Essential Potential to Emit (PTE) Parameters

BB.1. **Hours of Operation**. This booth shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

BB.2. **CAP Paints and Solvents**. The estimated maximum usage of paints and solvents for EU Nos. 093, 094 and 086 combined is 21,900 gal/yr

[Applicant's requested Application 10/18/2013, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

BB.3. See Appendix PT

Primer/Topcoat Application Operations

Cleaning Operations

BB.4. See Appendix CO

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

EU No.	Brief Description
-094	Two Paint Spray Booths, Bldg. 101 SC036[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Paint Spray Booth No. 1 (formerly the Wing Room) and Paint Spray Booth No. 2 (formerly the Dope Room) comply with the requirements for new facilities of the Aerospace NESHAP.

Control Device: Cross draft ventilation captures paint over-spray and directs it to dry particulate matter filters. The estimated maximum airflow rate (dscfm) is as follows:

Room Description	No. of Stacks	Airflow per Stack
Paint Spray Booth No. 1	4	37,800
Paint Spray Booth No. 2	4	32,125

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

CC.1. Hours of Operation. These booths shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

CC.2. CAP Paints and Solvents. The estimated maximum usage of paints and solvents for EU Nos. 094, 093 and 086 combined is 21,900 gal/yr.

[Applicant's requested Application 10/18/2013, Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

EMISSION LIMITATIONS AND STANDARDS

CC.3. See Appendix PT

Primer/Topcoat Application Operations

Cleaning Operations

CC.4. See Appendix CO

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

EU No.	Brief Description
-106	Paint Spray Booth, Building 724, FRCSE Shop 430 SC047[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Paint spray booth for the coating of aircraft parts and components

PM Control Device: Two stage dry particulate filter

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

DD.1. The nominal airflow is estimated at 15,800 dscfm.

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

DD.2. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

DD.3. **Maximum Usage Rate**. The estimated maximum usage of paints and solvents is 500 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

DD.4. See Appendix PT

Cleaning Operations

DD.5. See Appendix CO

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

EU No.	Brief Description
-107	Paint Spray Booth, Hangar 1000, FRCSE Shop 51A SC017[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Paint spray booth for the coating of aircraft parts and components

PM Control Device: Two stage dry particulate filter

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

EE.1. The nominal airflow is estimated at 13,662 dscfm.

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

EE.2. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

EE.3. **Maximum Usage Rate**. The estimated maximum usage of paints and solvents is 500 gal/yr.

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

EMISSION LIMITATIONS AND STANDARDS

Primer/Topcoat Application Operations

EE.4. See Appendix PT

Cleaning Operations

EE.5. See Appendix CO

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

EU No.	Brief Description
-111	Paint Spray Booth, Hangar 124 SC066[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Paint spray booth for the coating of aircraft, aircraft parts and components

PM Control Device: Three stage dry particulate filter system

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

FF.1. The nominal airflow is estimated at 342,000 dscfm.

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

FF.2. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

EMISSION LIMITATIONS AND STANDARDS

FF.3. **CAP Paints and Solvents**. The estimated maximum usage of paints and solvents for EU111 and EU011 combined is 28,000 gallons per year (gal/yr).

[Applicant's requested Application 10/18/2013, Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

Primer/Topcoat Application Operations

FF.4. See Appendix PT

Cleaning Operations

FF.5. See Appendix CO

ADDITIONAL RECORDKEEPING AND REPORTING REQUIREMENTS

FF.6. Records shall be maintained monthly for the following:

a. Amount of coating applied
b. VOC content (lbs/gal) of coatings as applied
c. Quantity (volume and weight) of surface preparation, clean-up and wash-up solvent / thinner usage
d. VOC content of solvent / thinner
e. VOC emissions
f. Hazardous air pollutants (HAP) content of coatings and solvents
g. HAP emissions

Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request. This recordkeeping requirement is independent from the recordkeeping requirement of Appendix PT.
[Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

FF.7. Semi-annual reports (every 6 months) shall be submitted to the Permitting Authority providing the records and calculations required above. The semi-annual reports shall be submitted by the 30th day of the following month after the end of each reporting period (January -June, July - December). The final report, which is due by the 30th of January for the reporting period of July - December, shall also include a synopsis of the preceding year. This reporting requirement is independent from the reporting requirement of Appendix PT.

[Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

FF.8. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection GG. Emission Unit No. 112- Paint Spray Booth, Building 101 W

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

EU No.	Brief Description
-112	Paint Spray Booth, Building 101 W SC065[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: Paint spray booth for the coating of aircraft and aircraft parts and components

PM Control Device: Three stage dry particulate filter system

{This EU is regulated under 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63, Subpart A, General Provisions, as delineated in Table 1 to Subpart GG.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

GG.1. The nominal airflow is estimated at 20,500 dscfm.

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

GG.2. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e.: 8,760 hrs/yr.

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

EMISSION LIMITATIONS AND STANDARDS

GG.3. **Maximum Usage Rate.** The maximum usage of paints and solvents shall be limited to 975 gal/yr.

[Applicant's request, Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

Primer/Topcoat Application Operations

GG.4. See Appendix PT

Cleaning Operations

GG.5. See Appendix CO

ADDITIONAL RECORDKEEPING AND REPORTING REQUIREMENTS

GG.6. Records shall be maintained monthly for the following:

a. Amount of coating applied
b. VOC content (lbs/gal) of coatings as applied
c. Quantity (volume and weight) of surface preparation, clean-up and wash-up solvent / thinner usage

GG.6. Continued:

d. VOC content of solvent / thinner
e. VOC emissions
f. Hazardous air pollutants (HAP) content of coatings and solvents
g. HAP emissions

Records shall be maintained for a minimum of five (5) years and made available to the Permitting Authority upon request. This recordkeeping requirement is independent from the recordkeeping requirement of Appendix PT.

[Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

GG.7. Semi-annual reports (every 6 months) shall be submitted to the Permitting Authority providing the records and calculations required above. The semi-annual reports shall be submitted by the 30th day of the following month after the end of each reporting period (January -June, July - December). The final report, which is due by the 30th of January for the reporting period of July - December, shall also include a synopsis of the preceding year. This reporting requirement is independent from the reporting requirement of Appendix PT.

[Rule 62-212.300, FAC, Rule 62-212.400, FAC, and Rule 2.401, JEPB]

GG.8. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

EU No.	Brief Description
-110	Concrete Batch Plant(s) CB001[1]

[1]Identification of Point on Plot Plan or Flow Diagram.

EU Description: Concrete Batch Plant(s) for the production of concrete

PM Control Device: Baghouse Dust Collectors

{This EU is regulated under Chapter 62-296, Emissions Standards; Rule 62-296.414, Concrete Batching Plants, FAC, and Rule 2.1101, JEPB.}

EMISSION LIMITATIONS AND STANDARDS

HH.1. **Hours of Operation**. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.

[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

HH.2. 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% opacity.

[Rule 62-296.414(1), FAC, and Rule 2.1101, JEPB]

HH.3. 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.
   (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 62-296.320(4)(c), Rule 62-296.414(2), FAC, and Rule 2.1101, JEPB]

HH.4. PM emissions shall be limited to less than one (1) ton/yr.

[Rule 62-296.700(2)(c), FAC, and Rule 2.1101, JEPB]

TEST METHODS AND PROCEDURES

HH.5. Testing for demonstration of compliance shall be performed in accordance with DEP Reference Method (RM) 9 (as described in Chapter 62-297 FAC) for the visual determination of opacity. Initial visible emission testing shall be conducted within 30 days of beginning operation of a concrete batch plant(s) located at this site. Testing shall be conducted annually provided a concrete batch plant operates during the calendar year at the permitted facility.

[Rule 62-296.414(4)(a), FAC, and Rule 2.1101, JEPB]

HH.6. Test procedures shall meet all applicable requirements of Chapter 62-297, FAC, and Rule 2.1201, JEPB.

HH.7. 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/hr 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), FAC, and Rule 2.1101, JEPB]

HH.8. 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), FAC, and Rule 2.1101, JEPB]

HH.9. Each dust collector exhaust point shall be tested annually for compliance with the visible emission limiting standard. **See Specific Condition No. HH.7**.

[Rule 62-297.310(7)(a), FAC, and Rule 2.1201, JEPB]

HH.10. 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), FAC, and Rule 2.1201, JEPB]

HH.11. **Common Testing Requirements**. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

HH.12. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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

Special Conditions for EUs 087, 088 and 089.

II.1. In order to provide reasonable assurance that applicable PSD significant levels were not exceeded with the installation and operation of these boilers, restrictions were placed on the quantity of fuel, which may be combusted by these boilers in a calendar year as follows:

Natural Gas Limit (MM Ft^3)	Fuel Oil Limit (10^3 Gallons)
750	575

These restrictions were required by Permit No. 0310215-008-AC.

II.2. The permittee shall maintain records of the quantities and type of fuel combusted at each Boiler Plant on a monthly basis. Natural gas fuel meters and data totalizers shall be used to monitor and record the amount of natural gas combusted by each plant on a monthly basis. All natural gas boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (MM Ft^3) of natural gas combusted each month.

As an alternative to the use of the fuel meters and totalizers required above the permittee may use the readings from the natural gas supplier, as supplied monthly, to provide data for the monthly log required above. The readings by the natural gas supplier shall be performed, remotely, on or about the first of each month in order to provide accurate and timely data. The readings shall be on each boiler plant.

Records of the quantity of fuel oil combusted at each boiler plant shall be measured monthly by determining fuel oil tank levels at the beginning and end of each month and calculating the quantity of fuel oil combusted. All fuel oil boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (10^3 Gallons) of fuel oil combusted each month.

An alternate method of determining the quantity of fuel oil combusted monthly may be submitted to the Permitting Authority and approval by the Permitting Authority shall be obtained in writing prior to being implemented.

II.3. Quarterly reports of the quantity and type of fuel combusted in each of the boilers subject to this permit shall be submitted to the Permitting Authority. These reports are due by the end of the month following completion of each calendar quarter (i.e.: JAN-MAR, APR-JUN, JUL-SEP, and OCT-DEC).

Subsection JJ. EU120 Emergency Engines

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

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. **Ten (10) ≥ 500 hp Existing** Emergency Stationary CI IC Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC026	Bldg No. 0085 Steam Plant A	Emergency RICE	ULSD	Caterpillar	3/14/88	749	2.3	500	Exiting RICE ≥500 bhp
IC030	Bldg No. 0769 Fire Station	Emergency RICE	ULSD	Caterpillar	10/14/89	890	2.3	600	Exiting RICE ≥500 bhp
IC038	Bldg No. 0919-W Emergency Ops/ Telecommunications	Emergency RICE	ULSD	Caterpillar	12/18/87	1592	4.3	1000	Exiting RICE ≥500 bhp
IC039	Bldg No. 0919-E Emergency Ops/ Telecommunications	Emergency RICE	ULSD	Caterpillar	1/7/88	1592	4.3	1000	Exiting RICE ≥500 bhp
IC053	Bldg No. 2080 Naval Hospital (Middle) #2	Emergency RICE	ULSD	Caterpillar	2/11/98	896	2.3	500	Exiting RICE ≥500 bhp
IC054	Bldg No. 2080 Naval Hospital (North) #1	Emergency RICE	ULSD	Caterpillar	2/10/98	896	2.3	500	Exiting RICE ≥500 bhp
IC068	Bldg No. 0506 NAVCOMMSTA/Tele	Emergency RICE	ULSD	Caterpillar	8/2/90	745	2.3	500	Exiting RICE ≥500 bhp
IC080	Bldg No. 0030 VP30 Hangar Training Squad	Emergency RICE	ULSD	Caterpillar	6/2/95	1482	4.3	1000	Exiting RICE ≥500 bhp
IC115	Bldg No. 0855 Galley	Emergency RICE	ULSD	Detroit Diesel	1/1/81	1257	<10	750	Exiting RICE ≥500 bhp

Continued:

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. **Ten (10) ≥ 500 hp Existing Emergency Stationary CI IC Engines:**

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC113	Bldg No. 0875 Police Station	Emergency RICE	ULSD	Mitsubishi	11/21/02	587	<10	350	Existing RICE ≥500 bhp

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

JJ.1. Compliance Dates.

Existing stationary CI RICE with a site rating of ≥500 hp you must comply by June 15, 2007.

[40 CFR 63.6595(a)(1)]

EMISSION LIMITATIONS AND OPERATING REQUIREMENTS

JJ.2. **S**tationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the emission limitations in Tables 1a, 2a, 2c, and 2d to this subpart or operating limitations in Tables 1b and 2b to this subpart.

- For emergency stationary CI:
  - Change oil and filter every 500 hrs of operation or annually, whichever comes first[1].
  - Inspect air cleaner every 1,000 hrs of operations or annually, whichever comes first.
  - Inspect all hoses and belts every 500 hrs of operation or annually, whichever comes first, and replace as necessary[2].

[1] Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.
[2] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[40 CFR 63.6600(c) and Table 2c item 1]

JJ.3. Fuel Requirements:

- No requirements.

[40 CFR 63.6604]

GENERAL REQUIREMENTS

JJ.4. You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

At all times you 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. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(a) and (b)]

JJ.5. Testing and Initial Compliance or Performance Tests:

- No requirements for existing emergency units.

[40 CFR 63.6610]

JJ.6. Performance Tests:

- No requirements.

[40 CFR 63.6620]

JJ.7. Continuous Compliance.

For existing emergency CI > 500 hp. If you own/operate an emergency stationary RICE, you must operate according to the requirements nos.1-3 below. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hrs per year, as described in nos.1-3 below is prohibited. If you do not operate the engine according to the requirements nos.1-3 below, 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. Operate your emergency stationary RICE for any combination of the purposes below for a maximum of 100 hrs per calendar year. Any operation for non-emergency situations as allowed by no. 3 counts as part of the 100 hrs per year allowed.
   a. 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; and

JJ.7. Continued:

b. EDR for periods in EEA Level 2 is called, [as defined in the NERC Reliability Standard EOP-002-3]
c. Where there is a deviation of voltage or frequency deviation of 5 % or greater below standard.

3. Operate for up to 50 hrs per year in non-emergency situations. These 50 hrs are counted as part of the 100 hrs/yr for maintenance and testing and EDR. The 50 hrs/yr 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.

[§63.6640(f)(1)- (3)]

JJ.8. Notifications.

- No requirements for existing CI > 500 hp.

[40 CFR 63.6645]

JJ.9. Reports.

- No requirements for existing emergency > 500 hp.

[40 CFR 63.6650]

JJ.10. Recordkeeping.

- Existing emergency ≥ 500 hp:

1. Records of emergency and non-emergency operation with non-resettable hour meter. Document how many hrs are spent for emergency operation, including what classified the operation as emergency and how many hrs are spent for non-emergency operation.
2. If used for EDR or deviation of voltage or frequency of 5% or greater below standard voltage or frequency, the owner/operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.
3. Records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after treatment control device (if any) according to your own maintenance plan.

Note: Keep each record readily accessible in hard copy or electronic form for at least 5 year following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6655]

JJ.11. This EU is subject to Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ.

[40 CFR 63.6665]

Subsection KK. EU121 500 hp New Emergency Stationary CI IC Engines

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

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. **Three (3) New ≥ 500 hp Emergency Stationary CI IC Engines (after 12/19/02):**

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC103	Bldg No. 0827 Wastewater Treatment Plant	Emergency RICE	ULSD	Cummins	12/1/02	1030	2.5	800	New RICE ≥500 bhp
IC131	Bldg No. 0170 NMCI NO/ Warehouse-Internet	Emergency RICE	ULSD	Caterpillar	8/6/03	2183	4.3	1500	New RICE ≥500 bhp
IC133	Bldg No. 0135 NRC Admin Bldg	Emergency RICE	ULSD	Cummins	10/1/05	1135	2.5	750	New RICE ≥500 bhp

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

KK.1. Compliance Dates.

- If you start up a new or reconstructed stationary RICE with a site rating of > 500 hp before August 16, 2004, comply by August 16, 2004;
- If you start up a new or reconstructed stationary RICE with a site rating of > 500 hp after August 16, 2004, comply upon startup.

[40 CFR 63.6595(20 and (3)]

EMISSION LIMITATIONS AND OPERATING REQUIREMENTS

KK.2. **S**tationary RICE with a site rating of less than 500 brake HP located at a major source of HAP emissions and do not need to comply with the emission limitations in Tables 1a, 2a, 2c, and 2d to this subpart or operating limitations in Tables 1b and 2b to this subpart.

- For emergency stationary CI:
  - Change oil and filter every 500 hrs of operation or annually, whichever comes first[1].
  - Inspect air cleaner every 1,000 hrs of operations or annually, whichever comes first. [Spark plugs for Emergency SI RICE units]
  - Inspect all hoses and belts every 500 hrs of operation or annually, whichever comes first, and replace as necessary[2].

[1] Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.
[2] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[40 CFR 63.6600(c) and Table 2c item 1]

KK.3. **<u>Fuel Requirements:</u>**

- No requirements.

[40 CFR 63.6604]

GENERAL REQUIREMENTS

KK.4. You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

At all times you 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. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(a) and (b)]

KK.5. **<u>Testing and Initial Compliance or Performance Tests:</u>**

- No requirements for new emergency units.

[40 CFR 63.6610]

KK.6. Monitoring, Installation, Collection, Operation and Maintenance Requirements:

- No requirements for new emergency > 500 hp.

[40 CFR 63.6625]

KK.7. Continuous Compliance.

- For new emergency > 500 hp:

  Demonstrate continuous compliance with operating requirements in Table 2b that apply.

KK.8. For new emergency > 500 hp. If you own/operate an emergency stationary RICE, you must operate according to requirements nos.1-3 below. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hrs per year, as described in nos.1-3 below is prohibited. If you do not operate the engine according to requirements nos.1-3 below, 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. Operate your emergency stationary RICE for any combination of the purposes below for a maximum of 100 hrs per calendar year. Any operation for non-emergency situations as allowed by no.3 counts as part of the 100 hrs per year allowed.
   a. 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; and
   b. EDR for periods in EEA Level 2 is called, [as defined in the NERC Reliability Standard EOP-002-3]
   c. Where there is a deviation of voltage or frequency deviation of 5 % or greater below standard.
3. Operate for up to 50 hrs per year in non-emergency situations. These 50 hrs are counted as part of the 100 hrs/yr for maintenance and testing and EDR. The 50 hrs/yr 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.

[40 CFR 63.6640(f)(1)-(3)]

KK.9. Reports.

- No requirements for new emergency > 500 hp.

[40 CFR 63.6650]

KK.10. Recordkeeping.

- No requirements for new emergency > 500 hp.

Note: Keep each record readily accessible in hard copy or electronic form for at least 5 year following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6655]

KK.11. This EU is subject to Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ.

[40 CFR 63.6665]

Subsection LL. EU122Existing ≤ 500 hp Emergency Stationary CI IC Engines

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

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Thirty Five (35) Existing ≤ 500 hp Emergency Stationary CI IC Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC001	Bldg No. 0009 Pass & I.D. Center	Emergency RICE	ULSD	Magnum	01/01/98	17	<10	10	Existing RICE ≤ 500 bhp
IC003	Bldg No. 0027 Admin Bldg	Emergency RICE	ULSD	Cummins	06/02/98	166	1.0	100	Existing RICE ≤ 500 bhp
IC021	Bldg No. 0409 BRIG	Emergency RICE	ULSD	Cummins	12/16/87	86	1.0	50	Existing RICE ≤ 500 bhp
IC035	Bldg No. 0854 Air Field Lighting &ATC	Emergency RICE	ULSD	Cummins	<2006	355	<10	175	Existing RICE ≤ 500 bhp
IC037	Bldg No. 0881 Air Field Lighting &ATC	Emergency RICE	ULSD	Onan	05/01/97	34	<10	20	Existing RICE ≤ 500 bhp
IC046	Bldg 0987 NEX Storage	Emergency RICE	ULSD	Cummins	09/06/88	50	<10	30	Existing RICE ≤ 500 bhp
IC048	Bldg 0114 Air Field Lighting &ATC	Emergency RICE	ULSD	Caterpillar	10/06/89	299	1.3	200	Existing RICE ≤ 500 bhp
IC052	Bldg 2051 Sewage Life Station	Emergency RICE	ULSD	Cummins	09/10/01	102	1.0	50	Existing RICE ≤ 500 bhp
IC065	Bldg 0669 Emergency Ops/ Telecommunication	Emergency RICE	ULSD	Detroit Diesel	01/01/87	335	<10	200	Existing RICE ≤ 500 bhp
IC083	Bldg No. 0027 Emergency Ops/ Telecommunication	Emergency RICE	ULSD	Detroit Diesel	<2006	474	<10	300	Existing RICE ≤ 500 bhp
IC084	Bldg 0844 Bachelor Officers Quarters	Emergency RICE	ULSD	Caterpillar	06/07/95	449	2.4	300	Existing RICE ≤ 500 bhp
IC087	Bldg 0101-V Industrial Plant Maintenance	Emergency RICE	ULSD	Generac	01/01/99	350	1.3	100	Existing RICE ≤ 500 bhp
IC088	Bldg 0101 Emergency Ops/ Telecommunication	Emergency RICE	ULSD	Onan	07/01/99	465	1.1	300	Existing RICE ≤ 500 bhp

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Thirty Five (35) Existing ≤ 500 hp Emergency Stationary CI IC Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC092	Bldg0165	Emergency RICE	ULSD	Cummins	02/01/00	68	1.0	35	Existing RICE ≤ 500 bhp
IC096	Bldg 0086 Steam Plant C	Emergency RICE	ULSD	Cummins	03/13/00	277	1.4	150	Existing RICE ≤ 500 bhp
IC101	Bldg 0855 Sewage Lift Station	Emergency RICE	ULSD	Cummins	08/02/02	102	1.0	60	Existing RICE ≤ 500 bhp
IC102	Bldg 0807 Sewage Lift Station	Emergency RICE	ULSD	Cummins	11/16/01	102	1.0	60	Existing RICE ≤ 500 bhp
IC106	Bldg 0207 TACAN Communication	Emergency RICE	ULSD	Cummins	01/24/01	102	1.0	60	Existing RICE ≤ 500 bhp
IC108	Bldg 0766 Air Field Lighting & ATC	Emergency RICE	ULSD	Cummins	03/08/03	465	<10	300	Existing RICE ≤ 500 bhp
IC109	Bldg 0783 Air Field Lighting & ATC	Emergency RICE	ULSD	Cummins	09/13/01	102	1.0	60	Existing RICE ≤ 500 bhp
IC110	Bldg 0205 Receiver Site-Communications Tower	Emergency RICE	ULSD	Cummins	02/06/06	99	1.0	60	Existing RICE ≤ 500 bhp
IC111	Bldg Tower/Air Ops-Air Traffic Control	Emergency RICE	ULSD	Cummins	03/19/98	465	<10	300	Existing RICE ≤ 500 bhp
IC112	Bldg 0825 Sewage Lift Station	Emergency RICE	ULSD	Caterpillar	12/03/98	349	1.7	230	Existing RICE ≤ 500 bhp
IC116	Bldg 0630 Sewage Lift Station	Emergency RICE	ULSD	Cummins	10/11/01	102	<10	60	Existing RICE ≤ 500 bhp
IC132	Bldg 104 Compressed Air Station	Emergency RICE	ULSD	Mitsubishi	12/05/05	134	<10	80	Existing RICE ≤ 500 bhp
IC134	Bldg 0135 NRC Admin Blgd	Emergency RICE	ULSD	Cummins	08/13/02	277	1.4	150	Existing RICE ≤ 500 bhp

Subsection MM. EU123 Subpart IIII Emergency Stationary CI ICE Pre-2007 Engines

Engines subject to 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Thirty Five (35) Existing ≤ 500 hp Emergency Stationary CI IC Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC141	Bldg No. 1959 Sewage Lift Station	Emergency RICE	ULSD	John Deere	7/09/04	48	<10	25	Existing RICE ≤ 500 bhp
IC142	Bldg No. 0966 Training Admin Bldg	Emergency RICE	ULSD	Cummins	8/02/02	317	1.4	200	Existing RICE ≤ 500 bhp
IC143	Bldg No. 0964 Medical/Dental Clinic	Emergency RICE	ULSD	Cummins	12/2/04	380	<10	230	Existing RICE ≤ 500 bhp
IC144	Bldg No. 6134 Sewage Lift Station	Emergency RICE	ULSD	John Deere	7/15/04	48	<10	25	Existing RICE ≤ 500 bhp
IC145	Bldg No. 0938 Reserve Training	Emergency RICE	ULSD	Cummins	4/10/03	99	1.0	50	Existing RICE ≤ 500 bhp
IC147	Bldg No. 0935 Radar Facility	Emergency RICE	ULSD	Cummins	4/24/03	170	1.0	100	Existing RICE ≤ 500 bhp
IC148	Bldg No. 0296 Air Field Lighting & ATC	Emergency RICE	ULSD	Cummins	12/8/04	68	1.0	35	Existing RICE ≤ 500 bhp
IC153	Bldg No. 2000 Sewage Lift Station	Emergency RICE	ULSD	Cummins	4/10/03	99	1.0	50	Existing RICE ≤ 500 bhp
IC114	Bldg No. 0951 Commissary	Emergency RICE	Nat Gas	Ford	12/7/00	134.1	0.9	80	Existing RICE ≤500 bhp

LL.1. Compliance Dates.

Existing stationary CI RICE with a site rating of ≤ 500 hp you must comply by May 3, 2013.

[40 CFR 63.6595]

EMISSION LIMITATIONS AND OPERATING REQUIREMENTS

LL.2. For emergency stationary CI:

- Change oil and filter every 500 hrs of operation or annually, whichever comes first[1].
- Inspect air cleaner every 1,000 hrs of operations or annually, whichever comes first.
- Inspect all hoses and belts every 500 hrs of operation or annually, whichever comes first, and replace as necessary[2].

[1] Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.
[2] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[40 CFR 63.6602 and Table 2c item 1]

LL.3. <u>Fuel Requirements:</u>

- No requirements.

[40 CFR 63.6604]

GENERAL REQUIREMENTS

LL.4. You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

At all times you 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. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(a) and (b)]

LL.5. <u>Testing and Initial Compliance or Performance Tests:</u>

- No requirements for existing emergency units.

[40 CFR 63.6610]

Monitoring, Installation, Collection, Operation and Maintenance Requirements.

LL.6. If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

LL.7. During Periods of Startup.

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 apply.[1]

[1] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.

[40 CFR 63. 6625(h) and (i)]

LL.8. These existing emergency CI ≤ 500 hp must operate according to requirements nos.1-3 below. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hrs per year, as described in nos.1-3 below is prohibited. If you do not operate the engine according to requirements nos. 1-3 below, 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. Operate your emergency stationary RICE for any combination of the purposes below for a maximum of 100 hrs per calendar year. Any operation for non-emergency situations as allowed by no.3 counts as part of the 100 hrs per year allowed.
   d. 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; and
   e. EDR for periods in EEA Level 2 is called, [as defined in the NERC Reliability Standard EOP-002-3]
   f. Where there is a deviation of voltage or frequency deviation of 5 % or greater below standard.
3. Operate for up to 50 hrs per year in non-emergency situations. These 50 hours are counted as part of the 100 hours/yr for maintenance and testing and emergency demand response (EDR). The 50 hours/yr 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.

[40 CFR 63.6640(f)(1)-(3)]

LL.9. Continuous Compliance.

These existing emergency CI ≤ 500 hp must demonstrate continuous compliance with operating requirements in Table 2c (Work management practices) that apply by:

- Operate and maintain according to the manufacturer's emission-related operation and maintenance instructions; or
- Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6640(a) and Table 6 item 9]

REPORTS

LL.10. The facility must report each instance in which you did not meet each emission and/or operating limitation that apply, (**see Specific Condition No. LL.9.**)

[40 CFR 63.6640(b) and Table 6 Row 9]

LL.11. Notifications.

- No requirements for existing CI emergency ≤ 500 hp.

[40 CFR 63.6645]

LL.12. Recordkeeping.

- Existing CI ≤ 500 hp:

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local low, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

Note: Keep each record readily accessible in hard copy or electronic form for at least 5 year following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6655]

LL.13. <u>Reports</u>. Emergency stationary RICE that operate or are contractually obligated to be available for more than 15 hours per year for the purposes specified in § 63.6640(f)(2)(ii) and (iii):

- You must submit an annual report according to the requirements in paragraphs (1) through (3) of this Specific Condition.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in § 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 63.6640(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purpose specified in § 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(viii) If there were no deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

(ix) If there were deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (*www.epa.gov/cdx*). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 63.13.

[40 CFR 63.6650(h)(1)-(3)]

LL.14. <u>Recordkeeping</u>. Existing emergency CI ≤ 500 hp:

1. Keep copy of each notification and report that is submitted, including all documentation supporting any Initial Notification or Notification of Compliance Status according to §63.10(b)(2)(xiv).
2. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
3. Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).
4. Records of all required maintenance performed on the air pollution control and monitoring equipment.
5. Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b) (**Specific Condition No. LL.4.**), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
6. Records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after treatment control device (if any) according to your own maintenance plan.

[40 CFR 63.6655(a)(1) - (a)(5)]

LL.15. <u>Records Retention</u>.

(a) Your records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You 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, according to § 63.10(b)(1).

[40 CFR 63.6660(a) - (c)]

LL.16. This EU is subject to Table 8 to Subpart ZZZZ of Part 63—Applicability of General Provisions to Subpart ZZZZ.

[40 CFR 63.6665]

Subsection MM. EU123 Subpart IIII Emergency Stationary CI ICE Pre-2007 Engines

Engines subject to 40 CFR 60, Subpart IIII- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Six (6) Emergency Stationary CI ICE Pre-2007 Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC135	Bldg No. 1000 Outside of Hanger	Emergency RICE	ULSD	Caterpillar	07/11/06	94	1.1	60	Pre 2007 CI ICE
IC137	Bldg No. 2037 Hospital Water Tower	Emergency RICE	ULSD	Daewoo	07/01/05	89	<10	50	Pre 2007 CI ICE
IC140	Bldg No. 2040 Hospital Westside	Emergency RICE	ULSD	Caterpillar	09/01/06	1109	2.3	750	Pre 2007 CI ICE
IC146	Bldg No. 848 Applied Instruction	Emergency RICE	ULSD	John Deere	04/29/06	48	0.6	20	Pre 2007 CI ICE
IC154	Bldg No. 0511 VP Hanger	Emergency RICE	ULSD	Caterpillar	09/25/06	1505	2.7	1000	Pre 2007 CI ICE
IC159	Bldg No. 1122 HS Hanger	Emergency RICE	ULSD	Caterpillar	09/24/06	158	1.1	100	Pre 2007 CI ICE

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

MM.1. Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in Table 1 to this subpart.

Maximum engine power	Emission standards for stationary pre-2007 model year engines with a displacement of <10 liters per cylinder and 2007-2010 model year engines >2,237 KW (3,000 HP) and with a displacement of <10 liters per cylinder in g/KW-hr (g/HP-hr)				
	NMHC + NO_X	HC	NO_X	CO	PM
KW<8 (HP<11)	10.5 (7.8)			8.0 (6.0)	1.0 (0.75)
8≤KW<19 (11≤HP<25)	9.5 (7.1)			6.6 (4.9)	0.80 (0.60)
19≤KW<37 (25≤HP<50)	9.5 (7.1)			5.5 (4.1)	0.80 (0.60)
37≤KW<56 (50≤HP<75)			9.2 (6.9)		
56≤KW<75 (75≤HP<100)			9.2 (6.9)		

MM.1 Continued:

Maximum engine power	Emission standards for stationary pre-2007 model year engines with a displacement of <10 liters per cylinder and 2007-2010 model year engines >2,237 KW (3,000 HP) and with a displacement of <10 liters per cylinder in g/KW-hr (g/HP-hr)				
	NMHC + NO_X	HC	NO_X	CO	PM
75≤KW<130 (100≤HP<175)			9.2 (6.9)		
130≤KW<225 (175≤HP<300)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
225≤KW<450 (300≤HP<600)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
450≤KW≤560 (600≤HP≤750)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)
KW>560 (HP>750)		1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)

[40 CFR 60.4205(a), Table 1]

MM.2. Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205(a) (**Specific Condition No. MM.1**), over the entire life of the engine.

[40 CFR 60.4206]

MM.3. **Fuel Requirements.** Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a):

All NRLM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(a) and 40 CFR 80.510(a)]

IMPORTING/ INSTALLING REQUIREMENTS

MM.4. After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

[40 CFR 60.4208(a)]

MM.5. In addition to the requirements specified in § 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.

[40 CFR 60.4208(h)]

The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[40 CFR 60.4208(i)]

MM.6.a. **Monitoring Requirements**.
If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

[40 CFR 60.4209(a)]

MM.6.b. If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in § 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

[40 CFR 60.4209(b)]

MM.7. Owner or operator must comply with the emission standards specified in this subpart, you must do all of the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

MM.7. Continued:

(b) If you are an owner or operator of a pre-2007 model year stationary CI internal combustion engine and must comply with the emission standards specified in § 60.4205(a), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section.

(1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping 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 this subpart and these methods must have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in § 60.4212, as applicable.

(c) NA

(d) NA

(e) NA

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, 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 ICE in emergency situations.

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

MM.7. Continued:

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE 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 ICE 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 ICE 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 (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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.

MM.7. Continued:

(ii) [Reserved]

[40 CFR 60.4211(a)-(h)]

MM.8. <u>Testing Requirements for Owners and Operators</u>.

Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart must do so according to paragraphs (a) through (e) of this section.

(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR part 1042, subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.

(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1039 must not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR part 1039.

(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the following equation:

$$\text{NTE requirement for each pollutant} = (1.25) \times (\text{STD}) \qquad \text{(Eq. 1)}$$

Where:

STD = The standard specified for that pollutant in 40 CFR 89.112 or 40 CFR 94.8, as applicable.

Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in § 60.4213 of this subpart, as appropriate.

(d) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in § 60.4204(a), § 60.4205(a), or § 60.4205(c) must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in § 60.4204(a), § 60.4205(a), or § 60.4205(c), determined from the equation in paragraph (c) of this section.

Where:

MM.8. Continued:

STD = The standard specified for that pollutant in § 60.4204(a), § 60.4205(a), or § 60.4205(c).

Alternatively, stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in § 60.4204(a), § 60.4205(a), or § 60.4205(c) may follow the testing procedures specified in § 60.4213, as appropriate.

(e) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1042 must not exceed the NTE standards for the same model year and maximum engine power as required in 40 CFR 1042.101(c).

[40 CFR 60.4212(a)-(e)]

NOTIFICATION, REPORTS, AND RECORDS

MM.9. **Initial Notification**. Emergency stationary internal combustion engines are not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

[40 CFR 63.4214(b)]

MM.10. Diesel Particulate Filter.

If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must 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.

[40 CFR 63.4214(c)]

MM.11. If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

(iii) Engine site rating and model year.

MM.11. Continued:

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in § 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 60.4211(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

[40 CFR 63.4214(d)(1))i) –(vii)]

MM.13. The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

[40 CFR 63.4214(2)]

MM.14. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (*www.epa.gov/cdx*). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4.

[40 CFR 63.4214(3)]

MM.15. This EU is subject to Table 8 to Subpart IIII of Part 60—Applicability of General Provisions to Subpart IIII.

[40 CFR 60.4218]

Subsection NN. EU124 Subpart IIII Emergency Stationary CI ICE 2007 and after Engines

Engines subject to 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Seventeen (17) Emergency Stationary CI ICE 2007 and after Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC150	Bldg No. 0127 Water Treatment Plant	Emergency RICE	ULSD	Cummins	01/11/08	755	2.5	60	CI ICE 2007 and after
IC155	Bldg No. 0936 Fire & Rescue	Emergency RICE	ULSD	Cummins	12/11/08	335	1.5	200	CI ICE 2007 and after
IC156	Bldg No. 0105 Fire Department	Emergency RICE	ULSD	Cummins	01/13/09	399	1.5	250	CI ICE 2007 and after
IC157	Bldg No. 1003 Fleet Support	Emergency RICE	ULSD	John Deere	09/24/07	385	1.5	250	CI ICE 2007 and after
IC158	Bldg No. 0511 VP Hanger	Emergency RICE	ULSD	John Deere	05/02/08	575	2.1	429	CI ICE 2007 and after
IC162	Bldg No. 2090 Hospital Emergency Ops	Emergency RICE	ULSD	Cummins	07/11/08	335	1.5	200	CI ICE 2007 and after
IC165	Bldg No. Heating Plant Hospital	Emergency RICE	ULSD	John Deere	07/10/09	80	0.6	50	CI ICE 2007 and after
IC167	Bldg No. 0118 Control Tower	Emergency RICE	ULSD	John Deere	12/10/09	315	1.1	200	CI ICE 2007 and after
IC168	Bldg No. 0130 Lift Station	Emergency RICE	ULSD	Cummins	01/19/10	145	1.1	35	CI ICE 2007 and after
IC171	Bldg No. 0950 Pharmacy	Emergency RICE	ULSD	John Deere	12/29/07	158	1.1	100	CI ICE 2007 and after

Continued:

Engines subject to 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Seventeen (17) Emergency Stationary CI ICE 2007 and after Engines:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC174	Bldg No. 0512 Simulator Training	Emergency RICE	ULSD	Caterpillar	08/27/10	275	1.1	164	CI ICE 2007 and after
IC175	Bldg No. 1143-B Radar Site	Emergency RICE	ULSD	John Deere	05/18/09	158	1.1	100	CI ICE 2007 and after
IC176	Bldg No. 0110 Outside	Emergency RICE	ULSD	John Deere	01/01/12	133	1.1	100	CI ICE 2007 and after
IC177	Bldg No. 0505 NAVCOMMSTA/ Telecommunications	Emergency RICE	ULSD	Caterpillar	04/08/11	923	3.0	600	CI ICE 2007 and after
IC178	Bldg No. 2109 Fuel Farm	Emergency RICE	ULSD	Caterpillar	06/18/10	713	2.5	400	CI ICE 2007 and after
IC179	Bldg No. 2080 Naval Hospital (South) #3	Emergency RICE	ULSD	Caterpillar	01/27/09	762	2.5	500	CI ICE 2007 and after
IC181	Bldg No. 0103 Emergency Ops/ Telecommunications	Emergency RICE	ULSD	Cummins	06/17/13	145	1.1	80	CI ICE 2007 and after

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

NN.1. Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new nonroad CI engines in § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

- Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

NN.1. Continued:

(1) For engines with a maximum engine power less than 37 KW (50 HP):

(i) The certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants for model year 2007 engines, and

(ii) The certification emission standards for new nonroad CI engines in 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, 40 CFR 1039.115, and table 2 to this subpart, for 2008 model year and later engines.

(2) For engines with a maximum engine power greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

[40 CFR 60.4202(a)(1)- (2) and 40 CFR 60.4205(b)]

NN.3. Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in § 60.4205 over the entire life of the engine.

[40 CFR 60.4206]

NN.4.a. <u>Fuel Requirements (IC175 and IC179)</u>. Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a):

All NRLM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content. 500 parts per million (ppm) maximum.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(a) and 40 CFR 80.510(a)]

NN.4.b. <u>Fuel Requirements (all other engines)</u>. Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted:

All NR and LM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

NN.4.b. Continued:

(i) 15 ppm maximum for NR diesel fuel.

(ii) 500 ppm maximum for LM diesel fuel.

(2) Cetane index or aromatic content, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b) and 40 CFR 80.510(b)]

IMPORTING/ INSTALLING REQUIREMENTS

NN.5. After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

[40 CFR 60.4208(b)]

NN.6. In addition to the requirements specified in § 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (g) of this section after the dates specified in paragraphs (a) through (g) of this section.

[40 CFR 60.4208(h)]

The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

[40 CFR 60.4208(i)]

NN.7. Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205(b) (**Specific Condition No. NN.1**), over the entire life of the engine.

[40 CFR 60.4206]

NN.8. Monitoring Requirements. If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in § 60.4211.

If you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.

[40 CFR 60.4209(a)]

NN.9. Owner or operator must comply with the emission standards specified in this subpart, you must do all of the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A

(c) NA

(d) NA

(e) NA

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, 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 ICE in emergency situations.

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

NN.9. Continued:

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE 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 ICE 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 ICE 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 (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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.

NN.9. Continued:

(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.

(ii) [Reserved]

[40 CFR 60.4211(a)-(h)]

NN.10. <u>Testing Requirements for Owners and Operators</u>.

Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart must do so according to paragraphs (a) through (e) of this section.

(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR part 1042, subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.

(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1039 must not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR part 1039.

(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the following equation:

$$\text{NTE requirement for each pollutant} = (1.25) \times (\text{STD}) \qquad \text{(Eq. 1)}$$

Where:

STD = The standard specified for that pollutant in 40 CFR 89.112 or 40 CFR 94.8, as applicable.

Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in § 60.4213 of this subpart, as appropriate.

(d) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in § 60.4204(a), § 60.4205(a), or § 60.4205(c) must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in § 60.4204(a), § 60.4205(a), or § 60.4205(c), determined from the equation in paragraph (c) of this section.

NN.10. Continued:

Where:

STD = The standard specified for that pollutant in § 60.4204(a), § 60.4205(a), or § 60.4205(c).

Alternatively, stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in § 60.4204(a), § 60.4205(a), or § 60.4205(c) may follow the testing procedures specified in § 60.4213, as appropriate.

(e) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1042 must not exceed the NTE standards for the same model year and maximum engine power as required in 40 CFR 1042.101(c).

[40 CFR 60.4212(a)-(e)]

NOTIFICATION, REPORTS, AND RECORDS

NN.11. **Initial Notification**. Emergency stationary internal combustion engines are not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

[40 CFR 63.4214(b)]

NN.12. Diesel Particulate Filter.

If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must 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.

[40 CFR 63.4214(c)]

NN.13. If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in § 60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (d)(1) through (3) of this section.

(1) The report must contain the following information:

(i) Company name and address where the engine is located.

(ii) Date of the report and beginning and ending dates of the reporting period.

NN.13. Continued:

(iii) Engine site rating and model year.

(iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

(v) Hours operated for the purposes specified in § 60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in § 60.4211(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purposes specified in § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

[40 CFR 63.4214(d)(1))i) –(vii)]

NN.14. The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
[40 CFR 63.4214(2)]

NN.15. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (*www.epa.gov/cdx*). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4.

[40 CFR 63.4214(3)]

NN.16. This EU is subject to Table 8 to Subpart IIII of Part 60—Applicability of General Provisions to Subpart IIII.

[40 CFR 60.4218]

Subsection OO. EU125 Subpart JJJJ Emergency Stationary SI ICE 2007 and after Engines.

Engines subject to 40 CFR 60, Subpart JJJJ- Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. **Six (6) Emergency Stationary SI ICE 2007 and after Engines**:

AEI ID	Location	ICE Class	Fuel	Mfg	DOM	HP	L/Cyl	GEN Kw	Class
IC169	Bldg No. 0834 Dechlorination WWTP	Emergency RICE	LPG	Kohler	05/01/08	17.6	0.4	12	SI ICE 2007 and after
IC180	Bldg No. 0131 Fleet Area Control & Surveillance	Emergency RICE	LPG	NEW	10/01/12	85	<10	53	SI ICE 2007 and after
IC138	Bldg No. 2004 Hospital Admin	Emergency RICE	Natural Gas	Mitsubishi	02/16/07	42	0.6	25	SI ICE 2007 and after
IC163	Bldg No. 0011 BOQ	Emergency RICE	Natural Gas	Mitsubishi	05/26/09	37	0.6	22	SI ICE 2007 and after
IC166	Bldg No. 2057 Admin Bldg	Emergency RICE	Natural Gas	Mitsubishi	11/13/06	42	0.6	25	SI ICE 2007 and after
IC170	Bldg No. 2091 Hospital Warehouse	Emergency RICE	Natural Gas	GM	2007/2008	225	<10	150	SI ICE 2007 and after

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

<u>Engine (IC169) < 25 HP (LPG)</u>.

OO.1. Owners and operators of stationary SI ICE with a maximum engine power **less than or equal to 19 KW (25 HP)** manufactured on or after July 1, 2008, must comply with the emission standards in § 60.4231(a) for their stationary SI ICE: The engine must meet emission standards and related requirements for nonhandheld engines under 40 CFR part 90.

[40 CFR 60.4233(a), 40 CFR 60.4231(a) and 40 CFR part 90]

OO.2. **Fuel Requirements.** Owners and operators of stationary SI ICE subject to this subpart that use gasoline must use gasoline that meets the per gallon sulfur limit in 40 CFR 80.195.

[40 CFR 60. 4235]

OO.3. Importing/Installing Requirements.

- After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.
- In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

[40 CFR 60.4236(a) and (d)]

Compliance Requirements for Engines Operated and Maintained in a Certified Manner:

OO.4. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you are operating in a certified manner.

OO.5. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[40 CFR 60.4234]

OO.6. General Compliance. If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

OO.6. Continued:

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) NA.

(iii) NA.

[40 CFR 60.4243(a)]

OO.7. If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, 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 ICE in emergency situations.

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

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

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

OO.7. Continued:

(3) Emergency stationary ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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.

(ii) [Reserved]

[40 CFR 60.4243(d)(1)-(3)]

If Using Air-To-Fuel Ratio Controllers:

OO.8. Air-To-Fuel Ratio Controllers. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

[40 CFR 60.4243(g)]

OO.9. Performance Testing.

No Requirements.

Compliance Requirements for Engines Operated and Maintained in a Non-Certified Manner:

OO.10. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine.

NOTIFICATION, REPORTS, AND RECORDS

OO.11. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine 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.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

[40 CFR 60.4245(a)]

Engine (IC180) > 25 HP, LPG.

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

OO.12. Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) manufactured on or after the applicable date in § 60.4230(a)(4) that are rich burn engines that use LPG must comply with the emission standards in § 60.4231(c) for their stationary SI ICE.

- Phase 1 emission standards in 40 CFR 90.103, applicable to class II engines, and other requirements for new nonroad SI engines in 40 CFR part 90.

[40 CFR 60.4233(c) and 40 CFR 60.4231(c)]

OO.13. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[40 CFR 60.4234]

OO.14. Fuel Requirements. Owners and operators of stationary SI ICE subject to this subpart that use gasoline must use gasoline that meets the per gallon sulfur limit in 40 CFR 80.195:

	Gasoline sulfur standards for the averaging period beginning:		
	January 1, 2004	**January 1, 2005**	**January 1, 2006 and subsequent**
Refinery or Importer Average	(1)	30.00	30.00
Corporate Pool Average	120.00	90.00	(1)
Per-Gallon Cap	300	300	80

[1]Not applicable.

[40 CFR 60. 4235 and 40 CFR 80.195]

OO.15. Importing/Installing Requirements.

- For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.
- In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

  [40 CFR 60.4236(a) and (d)]

OO.16. Monitoring, Operation and Maintenance Requirements:

If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

[40 CFR 60.4237(c)]

Compliance Requirements for Engines Operated and Maintained in a Certified Manner:

OO.17. General Compliance. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you are operating in a certified manner.

OO.18. If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet the requirement specified in (a)(1) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

[40 CFR 60.4234(a)(1)]

OO.19. If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, 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 ICE in emergency situations.

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

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

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

OO.19. Continued:

(3) Emergency stationary ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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.

(ii) [Reserved]

[40 CFR 60.4243(d)(1)-(3)]

If Using Air-To-Fuel Ratio Controllers:

OO.20. **<u>Air-To-Fuel Ratio Controllers</u>**. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

OO.21. **<u>Performance Testing</u>**.

No Requirements.

Compliance Requirements for Engines Operated and Maintained in a Non-Certified Manner:

OO.22. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine.

[40 CFR 60, Subpart JJJJ]

NOTIFICATION, REPORTS, AND RECORDS

OO.23. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine 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.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

[40 CFR 60.4245(a)]

OO.24. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of must keep records of the hours of operation of the engine that is 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.

[40 CFR 60.4245(b)]

Engine (IC138, IC163 and IC166)

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

OO.25. Stationary SI internal combustion engine manufacturers must certify their emergency stationary SI ICE with a maximum engine power **greater than 25 HP and less than 130 HP** that use gasoline and that are manufactured on or after the applicable date in § 60.4230(a)(4) to the Phase 1 emission standards in 40 CFR 90.103, applicable to class II engines, and other requirements for new nonroad SI engines in 40 CFR part 90.

[40 CFR 60. 4231(b) and 60.4233(b)]

OO.26. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[40 CFR 60. 4234]

OO.27. Fuel Requirements. Owners and operators of stationary SI ICE subject to this subpart that use gasoline must use gasoline that meets the per gallon sulfur limit in 40 CFR 80.195.

[40 CFR 60. 4235]

Importing/Installing Requirements.

OO.28. Deadline for importing or installing stationary SI ICE produced in previous model years:

(1) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

(2) In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

[40 CFR 60.4236(c) and (d)]

OO.29. Monitoring Requirements.

If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.

[40 CFR 60.4237(c)]

Compliance Requirements for Engines Operated and Maintained in a Certified Manner:

OO.30. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you are operating in a certified manner.

OO.31. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[40 CFR 60.4234]

OO.32. General Compliance. If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) NA.

(iii) NA.

[40 CFR 60.4243]

OO.33. If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, 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 ICE in emergency situations.

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

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE 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 ICE 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 ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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;

OO.33. Continued:

(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.

(ii) [Reserved]

[40 CFR 60.4243(d)(1)-(3)]

OO.34. Performance Testing.

No Requirements.

Engine (IC170) > 25 HP.

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

OO.35. Owners and operators of stationary SI ICE with a maximum engine power **greater than 19 KW (25 HP)** manufactured on or after the applicable dates in § 60.4230(a)(4) that use gasoline must comply with the emission standards in § 60.4231(b) for their stationary SI ICE: The engine must meet emission standards and other requirements for new nonroad SI engines in 40 CFR part 1048.

[40 CFR 60.4231(b) and 40 CFR 60.4233(b)]

OO.36. Fuel Requirements. Owners and operators of stationary SI ICE subject to this subpart that use gasoline must use gasoline that meets the per gallon sulfur limit in 40 CFR 80.195.

[40 CFR 60. 4235]

OO.37. Importing/Installing Requirements.

- For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.
- In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

[40 CFR 60.4236(c) and (d)]

Compliance Requirements for Engines Operated and Maintained in a Certified Manner:

OO.38. If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you are operating in a certified manner.

OO.39. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

[40 CFR 60.4234]

OO40. General Compliance. If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

OO.40. Continued:

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) NA.

(iii) NA.

[40 CFR 60.4243(a)]

OO.41. If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of this section, 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 ICE in emergency situations.

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

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

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

OO.41. Continued:

(3) Emergency stationary ICE 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 (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, 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 or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations 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.

(ii) [Reserved]

[40 CFR 60.4243(d)(1)-(3)]

If Using Air-To-Fuel Ratio Controllers:

OO.42. Air-To-Fuel Ratio Controllers. It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

[40 CFR 60.4243(g)]

OO.43. Performance Testing.

No Requirements.

Compliance Requirements for Engines Operated and Maintained in a Non-Certified Manner:

OO.44. If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine.

NOTIFICATION, REPORTS, AND RECORDS

OO.45. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine 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.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

[40 CFR 60.4245(a)]

OO.46. This EU is subject to Table 3 to Subpart JJJJ of Part 60—Applicability of General Provisions to Subpart JJJJ.

[40 CFR 60.4246, Table 3]

OO.47. **Other Reporting Requirements**. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

EU No.	Brief Description
-119	NEX Gas Station Gasoline Dispensing Facilities (GDF) located in Bldg 429. (FS023- two tanks 10,000 ASTs, FS027- one 10,000 AST).

EU Description: This gas station has a monthly throughput > 20,000 gallons per month and is located in an area designated as an air quality maintenance area for ozone.

{This EU is regulated under Rule 62-252.300(1)(a), F.A.C.}

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

PP.1. This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

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

PP.2. **Prohibition**. No owner or operator of a gasoline dispensing facility subject to the provisions of this section shall transfer or cause or allow the transfer of gasoline from any gasoline cargo tank into any stationary storage tank located at any such gasoline dispensing facility unless the stationary storage tank is equipped for submerged filling and the vapors displaced from the storage tank during filling are processed by a Stage I vapor recovery system in accordance with subsection 62-252.300(3), F.A.C.

[Rule 62-252.300(2), F.A.C.]

PP.3. **Control Technology Requirements.** The Stage I vapor recovery system required by this rule section shall conform with the equipment specifications of the U.S. Environmental Protection Agency document, "Design Criteria for Stage I Vapor Control Systems – Gasoline Service Stations," dated November 1975, with the exception of Attachment A, hereby adopted and incorporated by reference.

[Rule 62-252.300(3)(a), F.A.C.]

PP.4. The Stage I vapor recovery system piping shall include pressure-vacuum vents and be leak-tight.

[Rule 62-252.300(3)(b), F.A.C.]

Subsection QQ. EU126 Natural Gas Fired Boilers Subject to the Boiler MACT

EU No.	Brief Description
-126	Hot Water Boiler Building 951(EC041)[1] -Commissary Natural Gas Fired. Hot Water Boiler Building (EC042)[1] 987-NEX Natural Gas Fired. Hot Water Boiler Building 724- Mechanical Room (South), EC10[1]- Natural Gas Fired. Steam Boiler Building 85- Steam Plant(EC058)[1]- Natural Gas Fired Steam Boiler Building 85- Steam Plant(EC059)[1]- Natural Gas Fired Steam Boiler Building 11 BQD- (EC061)[1] – Natural Gas Fired Steam Boiler Building 168- (EC062)[1] – Mechanical Room (North)- Natural Gas Fired Hot Water Boiler Building-(EC103)[1] 168- Mechanical Room (North)- Natural Gas Fired Hot Water Boiler Building- (EC104)[1] 1000-Hanger- Natural Gas Fired Hot Water Boiler Building H-30 (EC130)[1] Mechanical Room 156- Natural Gas Fired Hot Water Boiler Building H-30 (EC131)[1] Mechanical Room 156- Natural Gas Fired Hot Water Boiler Building (EC149)[1] Mechanical Room 614- Natural Gas Fired Hot Water Boiler Building (EC150)[1] Mechanical Room 617- Natural Gas Fired Hot Water Boiler Building 855- Galley (Outside-North) (EC168)[1] - Natural Gas Fired Hot Water Boiler Building 855- Galley (Outside-North) (EC169)[1] - Natural Gas Fired Hot Water Boiler Building 511- Mechanical Room (South) (EC184)[1] - Natural Gas Fired

[1]Identification of Point on Plot Plan or Flow Diagram.

Emission Unit Description: This EU consists of seventeen steam generating boilers:

(EC041)[1] Lochinvar, Model #CBN1795, 1.80 MMBtu/hr, Natural gas (Gas1) unit.
(EC042)[1] Lochinvar, Model #CBN1795, 1.80 MMBtu/hr, Natural gas (Gas1) unit.
(EC10)[1] Cleaver Brooks, Model # CBH-700-40, 1.68 MMBtu/hr, Natural gas (Gas 1) unit.
(EC058)[1] Kewannee, Model #H3S-125-G0, 4.18 MMBtu/hr, Natural gas (Gas 1) unit.
(EC059)[1] Kewannee, Model #H3S-125-G0, 4.18 MMBtu/hr, Natural gas (Gas 1) unit.
(EC061)[1] Hurst, Model #02-00565, 2.80 MMBtu/hr, Natural gas (Gas 1) unit.
(EC062)[1] Benchmark, Model #BMK-20, 2.00 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0103)[1] Cleaver Brooks, Model #4WG-700-100-125, 4.19 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0104)[1] Cleaver Brooks, Model #4WG-700-100-125, 4.19 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0130)[1] Benchmark, Model #BMK, 2.00 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0131)[1] Benchmark, Model #BMK, 2.00 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0149)[1] Raypak, Model #WHP-2005, 2.00 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0150)[1] Raypak, Model #WHP-2005, 2.00 MMBtu/hr, Natural gas (Gas 1) unit.

Emission Unit Description Continued:

(EC0168)[1] Rite, Model #WP-125, 5.23 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0169)[1] Rite, Model #WP-125, 5.23 MMBtu/hr, Natural gas (Gas 1) unit.
(EC0184)[1] York Shipley, Model #542C-H3D-50-030, 2.09 MMBtu/hr, Natural gas (Gas 1) unit.

{These EUs are regulated under Rule 40 CFR 63 Subpart DDDDD—National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters and 40 CFR 63, Subpart A, General Provisions}

QQ.1. **Hours of Operation.** This EU shall be allowed to operate continuously; i.e.: 8,760 hrs/yr.

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB

QQ.2. **Fuels.** Fuels which may be fired are natural gas.

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

QQ.3. This EU is subject to Subsection II.

QQ.4. These EUs are subject to Subsection III. Subsection SS Common Conditions for Subpart DDDDD Boiler MACT.

EU No.	Brief Description
EU072 & EU076	Boilers
EU087	Steam Plant A
EU088	Steam Plant C
EU089	Steam Boiler No. F-2
EU115	Steam Boiler No. F-1
EU126	Boilers Subject to 40 CFR 63 Subpart DDDDD

All are Gas 1 Boilers.

BOILER MACT REQUIREMENTS

40 CFR 63, Subpart DDDDD- National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.

SS.1. Compliance with this subpart:

Existing boiler or process heater, must comply with this subpart no later than January 31, 2016, except as provided in §63.6(i).

[40 CFR 63.7495(b)]

EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS

SS.2. Emissions Units are in the subcategories of boilers and process heaters units designed to burn gas 1 fuels.

[40 CFR 63.7499(l)]

EMISSION LIMITATIONS, WORK PRACTICE STANDARDS, AND OPERATING LIMITS.

SS.3. Gas 1 fuel boilers **are not subject** to emission limits in Tables 1 and 2, or 11 – 13, or operating limits in Table 4 of the subpart.

[40 CFR 63.7500(e)]

SS.4. These gas 1 boilers are designed to burn natural gas and will use a fuel other than natural gas to fire the affected units during a period of natural gas curtailment or supply interruption, as defined in §63.7575, and must submit a notification of alternative fuel use within 48 hours of the declaration of each period of natural gas curtailment or supply interruption, as defined in §63.7575. The notification must include the information specified in paragraphs (f)(1) through (5) of this section.

(1) Company name and address.

(2) Identification of the affected unit.

SS.4. Continued:

(3) Reason you are unable to use natural gas or equivalent fuel, including the date when the natural gas curtailment was declared or the natural gas supply interruption began.

(4) Type of alternative fuel that you intend to use.

(5) Dates when the alternative fuel use is expected to begin and end.

[40 CFR 63.7545(f)(1)-(f)(5); and 40 CFR 63.7545(f)]

COMPLIANCE DEMONSTRATION

SS.5. Yearly Tune-up. These Boilers have heat inputs ≥10 MMBtu/hr and are required to complete a tune-up every year.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_X requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

SS.5. Continued:

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

[40 CFR 63.7545(a)(10), (a)(10)(i) through (vi)(A)-(C)]

SS.6. **Onetime Energy Assessment**. Existing boilers located at major source facilities, must conduct a onetime energy assessment. The energy assessment must be conducted by a qualified energy assessor and include:

1. A visual inspection of the boiler or process heater system;
2. An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy-using systems, operating and maintenance procedures, and unusual operating constraints;
3. An inventory of major energy-use systems under the control of the owner or operator of the applicable boilers and/or process heaters that consume energy from the applicable boilers and/or process heaters;
4. A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
5. A review of the facility's energy management practices and recommendations for improvements consistent with the definition of energy management practices;
6. A list of major energy conservation measures;
7. A list of the energy savings potential of the energy conservation measures identified, and
8. A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the aforementioned energy assessment requirements is valid. A facility that operates under an energy management program compatible with ISO 50001 that includes applicable boilers and process heaters satisfies the energy assessment requirements.

[40 CFR 63.7530(e), Table 3 Row 4]

SS.7. Existing sources must complete the initial tune-up and energy assessment by the compliance date (January 31, 2016).

[40 CFR 63.7510(e)]

NOTIFICATIONS, RECORDKEEPING AND REPORTS

SS.8. **Notification of Compliance Status.** Sources subject to tune-up and the one time energy assessment requirements must submit a notification of compliance status to the appropriate regulatory authority within 60 days following the completion of all the compliance demonstrations. The notification must contain the following information:

- The following certification(s) of compliance, as applicable, and signed by a responsible official.

  "This facility complies with the required initial tune-up according to the procedures in 40 CFR §63.7540(a)(10)(i) through (vi)." **Notifications were submitted on 05/29/13**

- The following certification(s) of compliance, as applicable, and signed by a responsible official.

  "This facility must conduct an energy assessment performed according to 40 CFR 63.7530(e)," no later than January 31 2016.

[40 CFR 63.7545(e)(8)(i) and (ii)]

RECORDKEEPING

SS.9. Applicable sources must maintain records to demonstrate compliance with all applicable requirements, including:

1. A copy of each notification and report submitted to the appropriate regulatory authority, along with any supporting documentation.

2. Records necessary to demonstrate compliance with applicable emissions limits, including fuel use, hrs of operation, fuel analyses, occurrences and duration of each malfunction and actions to minimize emissions, startups and shutdowns, and any supporting calculations.

3. For required tune-ups include dates, results, procedures, and manufacturer's specifications.

[40 CFR 63.7555(a)(1)]

SS.10. **Recordkeeping Format.**

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records off site for the remaining 3 years.

[40 CFR 63.7560(a)-(c)]

SS.11. Reports. Compliance Dates Summary:

Sub Category	Submit Initial Notification of Applicability by…	Submit Initial Notification of Compliance Status by…	Complete Initial Tune-ups by…	Complete Energy Assessment by…	Prepare Compliance Certification Report by…
All Existing Gas 1 Units	5/31/2013	Within 60 days following completion of all compliance demonstrations but no later than 3/01/2016, whichever is first.	1/31/2016	1/31/2016	1st report submitted by 1/31/2017 (Annual) , 1/31/2018 (2-year), or 1/31/2021 (5-year)

[40 CFR 63.7550]

SS.12. GENERAL PROVISIONS:

Citation	Subject	Applies to subpart DDDDD
§63.1	Applicability	Yes.
§63.2	Definitions	Yes. Additional terms defined in §63.7575
§63.3	Units and Abbreviations	Yes.
§63.4	Prohibited Activities and Circumvention	Yes.
§63.5	Preconstruction Review and Notification Requirements	Yes.
§63.6(a), (b)(1)-(b)(5), (b)(7), (c)	Compliance with Standards and Maintenance Requirements	Yes.
§63.6(e)(1)(i)	General duty to minimize emissions.	No. See §63.7500(a)(3) for the general duty requirement.
§63.6(e)(1)(ii)	Requirement to correct malfunctions as soon as practicable.	No.
§63.6(e)(3)	Startup, shutdown, and malfunction plan requirements.	No.
§63.6(f)(1)	Startup, shutdown, and malfunction exemptions for compliance with non-opacity emission standards.	No.
§63.6(f)(2) and (3)	Compliance with non-opacity emission standards.	Yes.
§63.6(g)	Use of alternative standards	Yes.
§63.6(h)(1)	Startup, shutdown, and malfunction exemptions to opacity standards.	No. See §63.7500(a).

SS.12. GENERAL PROVISIONS Continued:

Citation	Subject	Applies to subpart DDDDD
§63.6(h)(2) to (h)(9)	Determining compliance with opacity emission standards	Yes.
§63.6(i)	Extension of compliance	Yes. Note: Facilities may also request extensions of compliance for the installation of combined heat and power, waste heat recovery, or gas pipeline or fuel feeding infrastructure as a means of complying with this subpart.
§63.6(j)	Presidential exemption.	Yes.
§63.7(a), (b), (c), and (d)	Performance Testing Requirements	Yes.
§63.7(e)(1)	Conditions for conducting performance tests	No. Subpart DDDDD specifies conditions for conducting performance tests at §63.7520(a) to (c).
§63.7(e)(2)-(e)(9), (f), (g), and (h)	Performance Testing Requirements	Yes.
§63.8(a) and (b)	Applicability and Conduct of Monitoring	Yes.
§63.8(c)(1)	Operation and maintenance of CMS	Yes.
§63.8(c)(1)(i)	General duty to minimize emissions and CMS operation	No. See §63.7500(a)(3).
§63.8(c)(1)(ii)	Operation and maintenance of CMS	Yes.
§63.8(c)(1)(iii)	Startup, shutdown, and malfunction plans for CMS	No.
§63.8(c)(2) to (c)(9)	Operation and maintenance of CMS	Yes.
§63.8(d)(1) and (2)	Monitoring Requirements, Quality Control Program	Yes.
§63.8(d)(3)	Written procedures for CMS	Yes, except for the last sentence, which refers to a startup, shutdown, and malfunction plan. Startup, shutdown, and malfunction plans are not required.
§63.8(e)	Performance evaluation of a CMS	Yes.
§63.8(f)	Use of an alternative monitoring method.	Yes.
§63.8(g)	Reduction of monitoring data	Yes.
§63.9	Notification Requirements	Yes.
§63.10(a), (b)(1)	Recordkeeping and Reporting Requirements	Yes.

SS.12. GENERAL PROVISIONS Continued:

Citation	Subject	Applies to subpart DDDDD
§63.10(b)(2)(i)	Recordkeeping of occurrence and duration of startups or shutdowns	Yes.
§63.10(b)(2)(ii)	Recordkeeping of malfunctions	No. See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(b)(2)(iii)	Maintenance records	Yes.
§63.10(b)(2)(iv) and (v)	Actions taken to minimize emissions during startup, shutdown, or malfunction	No.
§63.10(b)(2)(vi)	Recordkeeping for CMS malfunctions	Yes.
§63.10(b)(2)(vii) to (xiv)	Other CMS requirements	Yes.
§63.10(b)(3)	Recordkeeping requirements for applicability determinations	No.
§63.10(c)(1) to (9)	Recordkeeping for sources with CMS	Yes.
§63.10(c)(10) and (11)	Recording nature and cause of malfunctions, and corrective actions	No. See §63.7555(d)(7) for recordkeeping of occurrence and duration and §63.7555(d)(8) for actions taken during malfunctions.
§63.10(c)(12) and (13)	Recordkeeping for sources with CMS	Yes.
§63.10(c)(15)	Use of startup, shutdown, and malfunction plan	No.
§63.10(d)(1) and (2)	General reporting requirements	Yes.
§63.10(d)(3)	Reporting opacity or visible emission observation results	No.
§63.10(d)(4)	Progress reports under an extension of compliance	Yes.
§63.10(d)(5)	Startup, shutdown, and malfunction reports	No. See §63.7550(c)(11) for malfunction reporting requirements.
§63.10(e)	Additional reporting requirements for sources with CMS	Yes.
§63.10(f)	Waiver of recordkeeping or reporting requirements	Yes.
§63.11	Control Device Requirements	No.
§63.12	State Authority and Delegation	Yes.

SS.12. GENERAL PROVISIONS Continued:

Citation	Subject	Applies to subpart DDDDD
§63.13-63.16	Addresses, Incorporation by Reference, Availability of Information, Performance Track Provisions	Yes.
§63.1(a)(5),(a)(7)-(a)(9), (b)(2), (c)(3)-(4), (d), 63.6(b)(6), (c)(3), (c)(4), (d), (e)(2), (e)(3)(ii), (h)(3), (h)(5)(iv), 63.8(a)(3), 63.9(b)(3), (h)(4), 63.10(c)(2)-(4), (c)(9).	Reserved	No.

[76 FR 15664, Mar. 21, 2011, as amended at 78 FR 7205, Jan. 31, 2013]

[40 CFR 63.7565]

Subsection TT. COMMON CONDITIONS Emission Unit No. 088, 089 and 115

TT.1. In order to provide reasonable assurance that applicable PSD significant levels were not exceeded with the installation and operation of these boilers, restrictions were placed on the quantity of fuel, which may be combusted by these boilers in a calendar year as follows:

Natural Gas Limit (MM Ft^3)	Fuel Oil Limit (10^3 Gallons)
750	575

These restrictions were required by Permit No. 0310215-008-AC.

TT.2. The permittee shall maintain records of the quantities and type of fuel combusted at each Boiler Plant on a monthly basis. Natural gas fuel meters and data totalizers shall be used to monitor and record the amount of natural gas combusted by each plant on a monthly basis. All natural gas boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (MM Ft^3) of natural gas combusted each month.

As an alternative to the use of the fuel meters and totalizers required above the permittee may use the readings from the natural gas supplier, as supplied monthly, to provide data for the monthly log required above. The readings by the natural gas supplier shall be performed, remotely, on or about the first of each month in order to provide accurate and timely data. The readings shall be on each boiler plant.

Records of the quantity of fuel oil combusted at each boiler plant shall be measured monthly by determining fuel oil tank levels at the beginning and end of each month and calculating the quantity of fuel oil combusted. All fuel oil boiler plant records shall be recorded and summarized in a log providing a monthly total of the quantity (10^3 Gallons) of fuel oil combusted each month.

An alternate method of determining the quantity of fuel oil combusted monthly may be submitted to the Permitting Authority and approval by the Permitting Authority shall be obtained in writing prior to being implemented.

TT.3. Quarterly reports of the quantity and type of fuel combusted in each of the boilers subject to this permit shall be submitted to the Permitting Authority. These reports are due by the end of the month following completion of each calendar quarter (i.e.: JAN-MAR, APR-JUN, JUL-SEP, and OCT-DEC).

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Appendix A, Glossary.
Appendix BACT, Best Available Control Technology (BACT) Determinations
Appendix CO
Appendix DO
Appendix Housing Operations
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix LR-1, Local Rule Index
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, Subpart DDDDD.
Appendix NESHAP, Subpart GG.
Appendix NESHAP, Subpart N.
Appendix NESHAP, Subpart ZZZZ.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart Dc.
Appendix NSPS, Subpart IIII.
Appendix NSPS, Subpart JJJJ.
Appendix OM, Operation and Maintenance Plans
Appendix PT
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix U, List of Unregulated Emissions Units and/or Activities.
40 CFR Part 80.195
40 CFR Part 80.510
40 CFR Part 1048

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Figure 1, Summary Report-Gaseous and Opacity Excess Emission and Monitoring System Performance (40 CFR 60, July, 1996).
Table 1, Summary of Air Pollutant Standards and Terms.
Table 2, Compliance Requirements.
Table H, Permit History.