United States Air Force
Patrick Air Force Base

Facility ID No. 0090021
Brevard County

Title V Air Operation Permit Renewal and Revision

Permit No. 0090021-010-AV
(Renewal and Revision of Title V Air Operation Permit No. 0090021-007-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Central District

3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Telephone: (407) 897-2930
Fax: (850) 412-0455

Compliance Authority:

State of Florida
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PROPOSED PERMIT

PERMITTEE:
United States Air Force, Patrick AFB
45 SW/CC, 1201 Edward H. White II Street
Patrick AFB, Florida 32925-3299

Permit No. 0090021-010-AV
Patrick Air Force Base
Facility ID No. 0090021
Title V Air Operation Permit Renewal and Revision

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. Patrick Air Force Base is located in Brevard County at 45 CES/CEAN, 1224 Jupiter Street, MS 9125, Patrick AFB, Florida. UTM Coordinates are: Zone 17, 538.85 East and 3125.26 North. Latitude is: 28˚15′09.8858″ North; and, Longitude is: 80˚36′14.1187″ 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: TBD
Renewal Application Due Date: TBD
Expiration Date: TBD

(PROPOSED)

_____

Caroline D. Shine
Air Program Administrator

CDS/jr/ng

Subsection A. Facility Description.

Patrick Air Force Base is a military facility that contains steam boilers, surface coating operations equipped with dry filters, a blast booth, and petroleum storage tanks.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
032	Two Gasoline Storage Tanks (including ethanol/gasoline blends) Storage Tanks (PASMOG1) with Stage I Vapor Recovery System
036	Bldg. 511 (P511PB1), Spray Booth No. 1
037	Bldg. 511 (P511PB2), Spray Booth No. 2
039	Bldg. 630 (P630PB1), Spray Booth No. 4
040	Bldg. 331 (P331PB1), Spray Booth No. 5
041	Bldg. 313 (P313PB1), Spray Booth No. 6
043	Eleven (11) Jet Fuel Storage Tanks (PASJP1) Six (6) Diesel/Biodiesel Storage Tanks (PASDJP1)
054	Bldg. 313, DLM Spray Booth
055	Bldg. 313, Abrasive Blast Booth
056	Bldg. 3656 (P3656EC1), Boiler No. 1
057	Bldg. 632 (P632EC1), Boiler No. 1
058	Bldg. 691 (P691EC1), Boiler No. 1
059	Bldg. 3659 (P3659EC1), Boiler No. 1
060	(7) New Source Emergency Generators
061	(19) Existing Source Emergency Generators
062	(4) Existing Source Emergency Generators included in Florida Power and Light (FPL) Demand Response Program

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal and revision application received September 15, 2011, this facility is not a major source of hazardous air pollutants (HAP).

A summary of applicable regulations is shown in the following table.

Regulation	EU Nos.
40 CFR 60, Subpart A, NSPS General Provisions	-060
40 CFR 60, Subpart IIII, Stationary Compression Ignition (CI) Internal Combustion Engines	-060

40 CFR 63, Subpart A, NESHAP General Provisions	-032 -056 -057 -058 -059 -060 -061 -062
40 CFR 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE)	-060 -061 -062
40 CFR 63, Subpart CCCCCC, Gasoline Dispensing Facilities	-032
40 CFR 63, Subpart JJJJJJ, Industrial, Commercial, and Institutional Boilers	-056 -057 -058 -059
State Rule Citations: 62-4, 62-210.200, 62-213, 62-252, 62-296.320, 62-296.406 (BACT), and 62-297.310	-All

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. Facility-Wide HAP Emissions Limitation. The maximum **facility-wide** combined HAP emissions are limited to less than 22.0 tons per any consecutive twelve months and any single HAP emission is limited to less than 8.0 tons per any consecutive twelve months, updated monthly. **These limits are accepted by the applicant to make the facility a synthetic minor for HAPs only.** [Rule 62-210.300(2)(b)1.d., F.A.C.; FESOP 0090021-005-AF]

FW3. HAP Emissions Calculation. HAP emissions shall be calculated using the latest published version of appropriate EPA AP42 emission factors, Air Program Information Management Systems (APIMS) algorithms, other appropriate emission factors, or material balance. [Rules 62-4.160(1); FESOP 0090021-005-AF]

FW4. 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.]

FW5. 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. To comply, procedures to minimize pollutant emissions shall include the following:

a. tightly cover or close all VOC containers when they are not in use;
b. tightly cover, where possible, all open troughs, basins, baths, tanks, etc. when they are not in use;
c. maintain all piping, valves, fittings, etc. in good operating condition;
d. prevent excessive air turbulence across exposed VOC's; and
e. immediately confine and clean up spills of VOC containing materials.

[Rule 62-296.320(1), F.A.C.]

FW6. 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.]

FW7. 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. Maintenance of paved areas as needed.
b. Periodic street sweeping.
c. Enforcement of Base speed limits.
d. Regular mowing of grass and care of vegetation.
[Rule 62-296.320(4)(c), F.A.C.; and proposed by applicant in Title V air operation permit application received September 15, 2011.]

Annual Reports and Fees

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

FW8. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

FW9. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download 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. [Rule 62-213.205, F.A.C.]

FW10. 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.]

FW11. Prevention of Accidental Releases (Section 112(r) of CAA). If and when the facility becomes subject to 112(r), the permittee shall:
a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C. [40 CFR 68]

FW12. Recordkeeping for Insignificant Emission Units. Recordkeeping (VOC and HAP emissions) for the following insignificant emission units is required to provide reasonable assurance that such unit or activity, in combination with other units and activities proposed as insignificant, would not cause the facility to exceed any major source threshold(s) as defined in subparagraph 62-213.420(3)(c)1., F.A.C.

1) Boilers, Water Heater, and Furnaces (< 1 MMBtu/hr output)
2) Fuel Loading Racks (Fuel Storage Areas 1 & 2)
3) General Solvent Usage
4) Petroleum and ethanol blend Storage Tanks (<25,000 gal.)
5) Surface Preparation and Coating (630, 647, 697, and other locations)
6) Boilers <10 MMBTU/hr using natural gas or propane
7) Fuel Fill Sands, Jet Fuel, FSA-1 & 2 (PFLRJP1)
8) Fuel or Chemical Spills
9) Fuel Delivery Vehicle Venting (e.g., prior to truck servicing)

10) Small burn units to destroy classified documents
11) Generator shop outdoor (temporary) paint booth including ~ 1.5 MMBtu/hr heater
12) Piping related fugitive emissions from pumps, valves, and fittings (e.g., Base Fuels)
13) Other emission points (not individually included on Insignificant list but referenced in Description No. 42 on Insignificant List). Cumulatively these uncontrolled emissions could potentially contribute to major threshold levels; therefore, recordkeeping is needed for reasonable assurance.

[Rules 62-4.070(3), 62-213.420(3)(n), and 62-213.430(6)(b), F.A.C.]

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

EU No.	Brief Description
-036	Bldg. 511 (P511PB1), Spray Booth No. 1
-037	Bldg. 511 (P511PB2), Spray Booth No. 2
-039	Bldg. 630 (P630PB1), Spray Booth No. 4
-040	Bldg. 331 (P331PB1), Spray Booth No. 5
-041	Bldg. 324 (P324PB1), Spray Booth No. 6
-054	Bldg. 313, DLM Spray Booth
-055	Bldg. 313, DLM Abrasive Blast Booth

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The consecutive twelve month amount of HAP containing materials shall be limited to the amount that equates to the specified **facility-wide** HAP emissions limitations of less than 22.0 tons per any consecutive twelve months of combined HAPs and less than 8.0 tons per any consecutive twelve months of any single HAP. [Rule 62-210.200, (PTE), F.A.C]

A.2. Permitted Capacity. Regarding EU No. 036, 037, 039, 040, 041, and 054, the total permitted VOC utilization rate shall not exceed 47.0 tons per any consecutive twelve month period, updated monthly. [Rule 62-210.200, (PTE), F.A.C]

A.3. Hours of Operation. These emissions units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Emission Limitations and Standards

A.4. 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, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). [Rule 62-296.320(b)1.]

A.5. VOC Emissions. The total permitted VOC emission rate from the paint booths and general solvent usage listed as part of this permitting subsection (Subsection A. Surface Coating Operations and Blasting Booth) shall not exceed 47.0 tons per any consecutive twelve months, updated monthly. [Rule 62-210.200, (PTE), F.A.C.; Construction Permit 0090021-004-AC]

Recordkeeping and Reporting Requirements

A.6. Monthly Recordkeeping Requirement. In order to demonstrate compliance with Specific Conditions No. **A.1., A.2.,** and **A.5.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded. The log, at a minimum, shall contain the following:

Monthly
a. Date (month/year);
b. Consecutive twelve-month total of VOC emissions; and
c. Consecutive twelve-month total of single and combined HAP emissions.

Monthly logs shall be completed by the end of the following month.
[Rules 62-4.070(3) and 62-213.440(1)(b)2., F.A.C.]

A.7. Supporting Documentation. Supporting documentation, such as Material Safety Data Sheets, purchase orders, etc., shall be kept which includes sufficient information to determine compliance. The log and documents shall be kept at the facility for at least five (5) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-213.440(1)(b)2.b., F.A.C.; Construction Permit 0090021-004-AC].

A.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 units:

EU No.	Brief Description
-032	Two (2) Gasoline (including ethanol/gasoline blends) Storage Tanks (PASMOG1) with Stage I Vapor Recovery System
-043	Eleven (11) Jet Fuel Storage Tanks (PASJP1) Six (6) Diesel/Biodiesel Storage Tanks (PASDJP1)

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. Regarding the tanks specified by this permit subsection, the total permitted throughput for the storage tanks is 1.0 million gallons of gasoline (including ethanol/gasoline blends), 4.0 million gallons of diesel/biodiesel fuel, and 15.5 million gallons of jet fuel per any consecutive twelve months, updated monthly. [Rules 62-4.160(2), 62-204.800, and 62-210.200(PTE), F.A.C.; Construction Permit 0090021-004-AC]

B.2. Permitted Capacity. The gasoline (including ethanol/gasoline blends) dispensing operations are limited to 100,000 gallons of gasoline per month. [Rules 62-210.200(PTE) and 62-252, F.A.C.; 40CFR63, Subpart CCCCCC and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

B.3. Equipment and Workpractice Standards.

a. The gasoline (including ethanol/gasoline blends) storage tanks shall be equipped with:
   (1) Stage I vapor recovery system (piping shall include pressure-vacuum vents and be leak-tight); and,
   (2) Submerged or bottom fill configuration.
b. The following workpractice standards shall apply to gasoline (including ethanol/gasoline blends) dispensing operations:
   (1) Minimize gasoline spills;
   (2) Clean up spills expeditiously;
   (3) Cover gasoline containers and tank fill pipes with gasketed seal(s); and,
   (4) Minimize the amount of gasoline sent to open collection systems.

[Rules 62-210.200(PTE) and 62-252, F.A.C.; 40CFR63, Subpart CCCCCC and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

B.4. Hours of Operation. These emissions units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.; Construction Permit No. 0090021-004-AC]

Emission Limitations and Standards

B.5. VOC Emissions. The total permitted VOC emissions from the storage tanks shall not exceed 12.0 tons per any consecutive twelve months, updated monthly. [Rule 62-210.200(PTE), F.A.C.; Construction Permits No. 0090021-008-AC and 0090021-009-AC]

Recordkeeping and Reporting Requirements

B.6. Monthly Recordkeeping Requirement. In order to demonstrate compliance with Specific Conditions No. **B.1., B.2.,** and **B.5.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded. The log, at a minimum, shall contain the following:

Monthly

a. Date (month/year);
b. Consecutive twelve-month total of VOC emissions;
c. Consecutive twelve-month total of single and combined HAP emissions;
d. Consecutive twelve-month total of material type and throughput for each listed significant storage tank EU ID; and
e. Monthly total of gasoline (including ethanol/gasoline blends) from dispensing operations.

Monthly logs shall be completed by the end of the following month.
[Rules 62-4.070(3), and 62-213.440(1)(b)2., F.A.C.; FESOP 0090021-005-AF]

B.7. Additional Recordkeeping Requirements. Records specified in Specific Condition No. **B.6.** (previous condition) must document the method, calculations, and formulas used in determining the usage rate and the emission rate. All calculations, including those used to derive emissions, must be clearly documented, and may be presented in the form of a template of sample calculations and available for review on site by the Department.
[Rule 62-4.070(3), F.A.C.]

B.8. Supporting Documentation. Supporting documentation, such as Material Safety Data Sheets, purchase orders, etc., shall be kept which includes sufficient information to determine compliance. The "Tanks Program version 4.0 or higher" or "United States Air Force Air Program Information Management System (APIMS)" shall be utilized to calculate VOC emissions from the tanks. The log and documents shall be kept at the facility for at least five (5) years and made available to the Department.
[Rules 62-4.070(3), and 62-213.440(1)(b)2.b., F.A.C.; Construction Permit 0090021-004-AC]

B.9. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Other Requirements

B.10. Federal Rule Requirements. In addition to the specific conditions listed above, **EU 032** is also subject to **the applicable requirements** contained in 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart CCCCCC - Gasoline Dispensing Facilities (See Appendix NESHAP, attached and part of this permit). [Rule 62-213.440, F.A.C.]

B.11. Malfunction Reports. Each owner or operator of an affected source under this subpart (40 CFR 63, Subpart CCCCCC) shall report, **by March 15 of each year**, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report

must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.11115(a), including actions taken to correct a malfunction. **No report is necessary for a calendar year in which no malfunctions occurred.**
[40 CFR 63, Subpart CCCCCC §63.11126(b)]

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

EU No.	Brief Description
-056	Bldg. 3656 (P3656EC1), Boiler No. 1
-057	Bldg. 632 (P632EC1), Boiler No. 1
-058	Bldg. 691 (P691EC1), Boiler No. 1
-059	Bldg. 3659 (P3659EC1), Boiler No. 1

Essential Potential to Emit (PTE) Parameters

C.1. Permitted Capacity. The maximum annual (any consecutive twelve month period) heat input shall not exceed 22,172 MMBTU for the four boilers combined. [Rule 62-210.200, (PTE), F.A.C. and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.2. Methods of Operation. Each boiler is allowed to fire fuel oil only. [Rule 62.210.200, (PTE), F.A.C. and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.3. Hours of Operation. These emissions units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C., and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.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

C.5. BACT Determined by DEP. The amount of sulfur dioxide emissions from each boiler will be limited by the firing of fuel oil with a maximum sulfur content of 500 ppm by weight. [Rule 62-296.406(2)&(3), F.A.C. and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.6. Visible Emissions. Visible emissions shall not exceed 20 percent opacity except for one two-minute period per hour during which opacity shall not exceed 40 percent. [Rule 62-296.406(1), F.A.C.]

Performance Restrictions

C.7. Biennial Tune-Ups. The permittee shall perform biennial performance tune ups according to the provisions contained in §63.11223(b). Biennial is defined as within every 25 months as per §63.1125. If a boiler is not operating on the required date for a tune up, the tune up shall be conducted within one (1) week of startup. **If the EPA proposed amendments to the Area Source Boiler NESHAP become effective at a later date, then the tune-ups shall be conducted once every five years instead of biennially.** [Rule 62-210.200(PTE), F.A.C.; 40CFR63, Subpart JJJJJJ; and, proposed by applicant in Title V air operation permit application received September 15, 2011.]

Monitoring of Operations

C.8. Determination of Process Variables.
(a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
(b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
[Rule 62-297.310(5), F.A.C.]

Recordkeeping and Reporting Requirements

C.9. Monthly Recordkeeping Requirements. In order to demonstrate compliance with Specific Conditions No. **C.1., C.2.,** and **C.5**., the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data are recorded. The log shall contain the following:

Monthly

a. Date (month/year);
b. Consecutive twelve-month total of the heat input for the four boilers combined; and
c. Fuel type and sulfur content, by weight.

Monthly logs shall be completed by the end of the following month.
[Rules 62-4.070(3) and 62-213.440(1)(b)2., F.A.C.; 40 CFR 60.42c(g)&(h)(1)]

C.10. Biennial Tune-Up Recordkeeping Requirement. The permittee shall maintain records of biennial tune ups that include the following:

a. Identification of the boiler;
b. Date of the tune-up;
c. Procedures followed for tune-up; and,
d. Manufacturer's specifications to which the boiler was tuned.

If the EPA proposed amendments to the Area Source Boiler NESHAP become effective at a later date, then the tune-ups shall be conducted once every five years instead of biennially.

[40CFR63, Subpart JJJJJJ; and proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.11. Boiler Malfunction Recordkeeping Requirement. The permittee shall maintain records of each boiler malfunction that is determined to cause an increase in emissions over the normal operational range. These records shall include the following:

a. Identification of the boiler;
b. Duration of the occurrence (e.g., start and stop dates/times); and,
c. Actions taken during periods of malfunction to minimize emissions.

[Rule 213.440, F.A.C.; and proposed by applicant in Title V air operation permit application received September 15, 2011.]

C.12. Malfunction Reporting Requirement. Malfunctions as described in Specific Condition No. **C.11**., shall be reported to the Department as specified in Title V General Conditions (See Appendix TV attached). [Rule 213.440, F.A.C.; and proposed by applicant in Title V air operation permit application received September 15, 2011.]

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

Other Requirements

C.14. Federal Rule Requirements. In addition to the specific conditions listed above, these emissions units are also subject to the applicable requirements contained in 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers (See Appendix NESHAP, attached and part of this permit). [Rule 62-213.440, F.A.C.]

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

EU No.	Brief Description
-060	(7) New Source Emergency Generators
-061	(19) Existing Source Emergency Generators
-062	(4) Existing Engines included in Florida Power and Light (FPL) Demand Response Program

Federal Requirements

D.1. Equipment. The Permitted Source Table for IC Engines (30 engines total) for this permitting section is listed below:

Location	Facility	Type	New/ Existing	Rule Applicability	Emergency/ Backup Power
Alt. Command Post	**603**	CI	New	IIII & ZZZZ	Emergency
Sewer Lift Station	**987**	CI	New	IIII & ZZZZ	Emergency
Server Farm	**425**	CI	New	IIII & ZZZZ	Emergency
Server Farm	**533**	CI	New	IIII & ZZZZ	Emergency
AFTAC #1	**989**	CI	New	IIII & ZZZZ	Emergency
AFTAC #2	**989**	CI	New	IIII & ZZZZ	Emergency
Housing Office (CE Ops Bldg.)	**1060**	CI	New	IIII & ZZZZ	Emergency
Fuels Dispatch	**675**	SI	Existing	JJJJ & ZZZZ	Emergency
TACAN	**1524**	CI	Existing	IIII & ZZZZ	Emergency
South ILS	**1430**	CI	Existing	IIII & ZZZZ	Emergency
Fire Department	**810**	CI	Existing	IIII & ZZZZ	Emergency
Computer Center	**535**	CI	Existing	IIII & ZZZZ	Emergency
MARS Station	**685**	CI	Existing	IIII & ZZZZ	Emergency
Radio Receiver	**957**	CI	Existing	IIII & ZZZZ	Emergency
Data Automation	**425**	CI	Existing	IIII & ZZZZ	Emergency
Comm Hut	**891**	CI	Existing	IIII & ZZZZ	Emergency
Command Post	**423**	CI	Existing	IIII & ZZZZ	Emergency
Base Ops	**820**	CI	Existing	IIII & ZZZZ	Emergency
Security Forces	**1319**	CI	Existing	IIII & ZZZZ	Emergency
Sewer Plant	**1497**	CI	Existing	IIII & ZZZZ	Emergency
Airfield Lighting	**806**	CI	Existing	IIII & ZZZZ	Emergency

ATC Tower	**1317**	CI	Existing	IIII & ZZZZ	Emergency
Sewer Plant	**650**	CI	Existing	IIII & ZZZZ	Emergency
Base Comm	**533**	CI	Existing	IIII & ZZZZ	Emergency
Hospital #1	**1376**	CI	Existing	IIII & ZZZZ	Emergency
Hospital #2	**1376**	CI	Existing	IIII & ZZZZ	Emergency
Power Plant #1	**1395**	CI	Existing	IIII & ZZZZ	Backup Power
Power Plant #2	**1395**	CI	Existing	IIII & ZZZZ	Backup Power
Power Plant #3	**1395**	CI	Existing	IIII & ZZZZ	Backup Power
Power Plant #4	**1395**	CI	Existing	IIII & ZZZZ	Backup Power

[Rule 62-4.070(3) and 62-204.800(8)(b)79., (8)(b)80., and (11)(b)82., F.A.C.]

D.2. New Source Emergency Generators. Emission Unit 060 is subject to the applicable requirements contained in 40 CFR 60, Subpart A – General Provisions, 40 CFR 60, Subpart IIII - Stationary Compression Ignition (CI) Internal Combustion Engines; and 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE) (See Appendices NSPS and NESHAP, attached and part of this permit).

For engines that are considered new sources for the NSPS and NESHAP, the following provisions apply:

1) These engines are currently demonstrating compliance with the emission limitations of applicable federal rules through retention of a manufacturer's certification statement. So long as that certification is able to be retained, no additional compliance demonstration is required. At such time that the manufacturer's certification is no longer valid (i.e., due to operation or maintenance practices that are inconsistent with the manufacturer's recommendations), the permittee shall begin demonstrating compliance with the standards listed in the applicable federal rule (included in the appendices as an enforceable part of this permit) in a manner that is prescribed by that rule.
[Rule 62-204.800(8)(b)79. and (11)(b)82., F.A.C.]

D.3. Existing Source Emergency Generators. Emission Unit 061 is subject to the applicable requirements contained in 40 CFR 60, Subpart A – General Provisions, 40 CFR 60, Subpart IIII - Stationary Compression Ignition (CI) Internal Combustion Engines, 40 CFR 60, Subpart JJJJ, Stationary Spark Ignition (SI) Internal Combustion Engines; and 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE) (See Appendices NSPS and NESHAP, attached and part of this permit).

For engines that are considered existing emergency sources, the following provisions apply:

1) These engines are limited to 100 hours per year of operation for maintenance and readiness checks. The engines may be operated for up to 50 hours per year for non-emergency purposes; however, this operation is counted towards the 100 hours per year of operation. These engines are limited to 15 hours per year of operation for peak shaving or to supply power to the electric grid.

2) The following maintenance requirements apply to these engines:

   a) Common Requirements for both CI and SI Engines:
      i. Change the oil and filter every 500 hours of operation or annually, whichever comes first.
      ii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   b) Spark Ignition Units:
      i. Change oil and filter every 500 hours of operation or annually, whichever comes first.
      ii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   c) SI Engines Only
      i. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.

   d) CI Engines Only
      i. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first.

[Rule 62-204.800(8)(b)79., (8)(b)80., and (11)(b)82., F.A.C.]

D.4. <u>Existing Engines included in Florida Power and Light (FPL) Demand Response Program.</u> Emission Unit 062 is subject to the applicable requirements contained in 40 CFR 60, Subpart A – General Provisions, 40 CFR 60, Subpart IIII - Stationary Compression Ignition (CI) Internal Combustion Engines; and 40 CFR 63, Subpart A – General Provisions and 40 CFR 63, Subpart ZZZZ, Reciprocating Internal Combustion Engines (RICE) (See Appendices NSPS and NESHAP, attached and part of this permit).

[Permitting Note: Currently emergency engines can be operated for a maximum of 15 hours per year as part of a demand response program. Depending on what EPA decides in the future, there is a possibility that emergency engines could be operated for a maximum of 60 hours per year as part of a demand response program.]

[Rule 62-204.800(8)(b)79. and (11)(b)82., F.A.C.]

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix CP, Compliance Plan.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, Subpart ZZZZ - Reciprocating Internal Combustion Engines (RICE).
Appendix NESHAP, Subpart CCCCCC - Gasoline Dispensing Facilities.
Appendix NESHAP, Subpart JJJJJJ - Industrial, Commercial, and Institutional Boilers.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart IIII - Stationary Compression Ignition (CI) Internal Combustion Engines.
Appendix NSPS, Subpart JJJJ, Stationary Spark Ignition (SI) Internal Combustion Engines
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.