FINAL DETERMINATION

FOR

United States Air Force - MacDill Air Force Base

Hillsborough County

Air Construction Permit

Application Number

0570141-011-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

June 9, 2014

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on May 6, 2014 that included an Intent to Issue Permit No. 0570141-011-AC to MacDill Air Force Base. The facility is located at 8208 Hangar Loop Drive, Tampa, Hillsborough County, FL. This permit authorizes the installation of a new diesel-fired emergency fire pump engine at the new Joint Special Operations University (JSOU), Building No. 520. The fire pump will be a 2013 Clark Fire Pump (Model No. JU4H-UFAD5G) with a 118 HP John Deere 4045 Series Power Tech Engine (Model No. 4045HFC28C), or equivalent.

The Public Notice of Intent to Issue was published in The Tampa Tribune on May 25, 2014.

COMMENTS/CHANGES

No comments were received from the applicant or the public.

CONCLUSION

The final action of the Environmental Protection Commission of Hillsborough County is to issue the permit as drafted.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Mr. Robert B. Hughes
Director, 6th Civil Engineer Squadron
MacDill AFB
7621 Hillsborough Loop Drive
Tampa, FL 33621

Dear Mr. Hughes:

Enclosed is Permit Number No. 0570141-011-AC to install a new emergency fire pump engine, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, FL 33619; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Richard D. Garrity, Ph.D.
Executive Director

cc: FDEP, Southwest District (e-mail)
Mr. Andrew W. Rider, P.E., IAP Worldwide Services – 6th CES/CEV

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

Clerk Stamp
FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

PERMITTEE:
Mr. Robert B. Hughes
Director, 6th Civil Engineer Squadron
MacDill AFB
7621 Hillsborough Loop Drive
Tampa, FL 33621

PERMIT/CERTIFICATION:
Permit No.: 0570141-011-AC
County: Hillsborough
Expiration Date: May 6, 2015
Project: Install New Stationary Fire Pump

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This Air Construction Permit is for MacDill AFB to install a new diesel-fired emergency fire pump engine at the new Joint Special Operations University (JSOU), Building No. 520. The new model year 2013 fire pump engine will be a maximum of approximately 118 HP and will be subject to 40 CFR 60, Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*). The anticipated fire pump will be a Clark Fire Pump (Model No. JU4H-UFAD5G) with a 118 HP John Deere 4045 Series Power Tech Engine (Model No. 4045HFC28C), or equivalent.

Since MacDill is purchasing an engine certified by the manufacturer, no additional emissions testing is required due to the fact that MacDill AFB maintains manufacturer's emissions certifications for all stationary internal combustion engines, as required under 40 CFR 60, Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*).

The emissions sources at MacDill AFB are predominantly emergency internal combustion engines and generators, with a total of 76 units, as well as multiple exempt sources such as natural gas-fired external combustion heating units, fuel storage tanks, parts washers, woodworking activities, painting and enclosed blasting operations, wastewater treatment plant, etc. The emissions from the emergency engines are limited by the firing of Ultra-Low Sulfur Diesel (ULSD) fuel and by limiting their operation for maintenance and testing to 100 hours per year. The facility-wide NO_X PTE, including the exempt external combustion heating units, is 86.1 tons per year.

Location: 8208 Hangar Loop Drive, Tampa

UTM: 17-353.50 E 3081.5 N NEDS NO: 0141

EU ID No. 016		Stationary Emergency Compression Ignition Internal Combustion Engines (CI ICE) subject to 40 CFR 60, Subpart IIII					
Emission Point	**Building No.**	**Facility Description**	**Model Year**	**Manufacturer**	**Model Number**	**Fuel**	**Rating (kW)**
STATIONARY EMERGENCY GENERATORS							
1	3	Base Ops	2009	Cummins/Onan	DSGAB-7568737	Diesel	125
2	11	CE Control	2007	Kohler	20REOZJB	Diesel	20
3	26	Fire Dept.	2008	Onan	DKAE-6042902	Diesel	20
4	90	Temp CP & PX Term	2008	Onan	DSHAF-5985907	Diesel	100
5	156	USSOCOM	2009	Kohler	1500REOZDC	Diesel	1500
	156	USSOCOM	2009	Kohler	1500REOZDC	Diesel	1500
	156	USSOCOM	2009	Kohler	1500REOZDC	Diesel	1500
6	203	SEC FORCES FAC	2008	Cummins/Onan	D080172838	Diesel	500
7	261	Consolidated Comm. Fac.	2012	Kohler	1750REOZDD	Diesel	1750
8	497	USSOCOM	2008	Caterpillar	3512B	Diesel	1250
	501	USSOCOM	2007	Kohler	1250REOZM	Diesel	1250
9	535	MARCENT	2008	Katolight	CD300PX6T3	Diesel	300
10	567	JICCENT CUP	2007	Caterpillar	3516C	Diesel	2000
	567	JICCENT CUP	2007	Caterpillar	3516C	Diesel	2000
	567	JICCENT CUP	2011	Caterpillar	3516C	Diesel	2000
	567	JICCENT CUP	2011	Caterpillar	3516C	Diesel	2000
	567	JICCENT CUP	2007	Caterpillar	3516C	Diesel	2000
	567	JICCENT CUP	2007	Caterpillar	3516C	Diesel	2000
11	805	DISA	2010	Kohler	60REOZJC	Diesel	60
12	825	MSA	2008	Katolight	SD20F-J4T2	Diesel	20
13	861	JCSE	2006	Generac	SD130	Diesel	130
14	913	JCSE Squadron Fac	2011	Cummins/Onan	QSLR-G3 NR3	Diesel	250
15	1039	SOCCENT Cultural Engagement Group	2011	Kohler/Detroit Diesel	S60, 6063HV35	Diesel	550
	1043	SOCCENT HQ	2010	Generac	SD600	Diesel	600
16	1041	Clinic CEP	2008	Caterpillar	3512C	Diesel	1500
EMERGENCY FIRE PUMP							
17	1115B	90 Day Accumulation Point Fire Pump	2006	John Deere	JU4H-UF10	Diesel	38
18	520	JSOU Fire Pump	2013	John Deere	JU4H-UFAD5G	Diesel	88

Replaces Permit No.: 0570141-010-AC

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]

2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]

3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

4. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]

5. In order to limit the potential to emit for the stationary emergency CI engines, and maintain the facility as a non-Title V source, the following restrictions shall apply: [Rules 62-4.070(3), 62-210.200(Potential-to-Emit), and 62-212.300(1)(d), F.A.C.; 40 CFR 60.4207 and 60.4211(f); and Construction Permit Application Received March 25, 2014]

A) The stationary emergency engines shall be fired on ultra-low sulfur diesel (ULSD) fuel only.
B) Each emergency engine shall not operate for more than a total of 100 hours per consecutive 12-month period, for the purposes of maintenance, testing, and emergency demand response. There is no time limit on the use of emergency stationary ICE in emergency situations.
C) The maximum capacity for each emergency generator or engine shall not exceed the ratings in the table on Page 3 of this permit.
D) The total fuel usage for all of the exempt internal combustion engines (listed in Attachment A) at the facility shall not be more than 64,000 gallons per year of diesel fuel or 5,400 gallons per year of gasoline.

6. Visible emissions from the exhaust of each stationary emergency engine shall not exceed 20% opacity. [Rule 62-210.296.320(4)(b)1, F.A.C.; 40 CFR 60.4205(b) and 40 CFR 89.113(a); and Chapter 1-3.52.1., Rules of the EPC]

<u>40 CFR Part 60 Requirements</u>

7. Notwithstanding the specific requirements from NSPS detailed in this permit, these emissions units shall comply with all applicable requirements of 40 CFR 60 subpart IIII, incorporated by reference. [Rules 62-4.030, 62-4.070(3) and 62-204.800, F.A.C.]

SPECIFIC CONDITIONS:

8. Notwithstanding the specific requirements from NSPS detailed in this permit, these emissions units shall comply with all applicable requirements of 40 CFR 60 subpart A, incorporated by reference. [Rules 62-4.030, 62-4.070(3) and 62-204.800, F.A.C.]

9. The Stationary Emergency Compression Ignition Internal Combustion Engines (CI ICE) subject to 40 CFR 60, Subpart IIII (EU 016) shall meet the following emissions standards:

A) 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 shall comply with the emission standards in Table 1 to Subpart IIII, as summarized below:

Maximum Engine Power	**Emission standards for stationary pre-2007 model year engines with a displacement of <10 liters per cylinder – grams per kW-hr (g/BHP-hr)**			
	HC	**NO_X**	**CO**	**PM**
37≤kW<56		9.2 (6.9)		
130≤kW<225	1.3 (1.0)	9.2 (6.9)	11.4 (8.5)	0.54 (0.40)

B) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines shall comply with the emission standards for new nonroad CI engines in 40 CFR 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, as summarized below:

(1) For engines with a maximum engine power less than 37 kW (50 HP)

(i) Model year 2007;

Emission Standards – grams per kW-hr (g/BHP-hr)					
Rated Power (kW)	**Tier**	**Model Year[1]**	**NMHC + NOx**	**CO**	**PM**
19≤kW<37	Tier 2	2004	7.5 (5.6)	5.5 (4.1)	0.60 (0.44)

[1]The model years listed indicate the model years for which the specified tier of standards take effect.

(ii) Model year 2008 and later;

Model years	**NO_X+ NMHC**	**CO**	**PM**

SPECIFIC CONDITIONS:

2008-2012	7.5 (5.6)	5.5 (4.1)	0.30 (0.22)

(2) For engines with a maximum engine power greater than or equal to 37 kW (50 HP)

(i) Model year 2007 and later;

Emission Standards – grams per kW-hr (g/BHP-hr)					
Rated Power (kW)	**Tier**	**Model Year[1]**	**NMHC + NOx**	**CO**	**PM**
19≤kW<37	Tier 2	2004	7.5 (5.6)	5.5 (4.1)	0.60 (0.44)
37≤kW<75	Tier 2	2004	7.5 (5.6)	5.0 (3.7)	0.40 (0.30)
	Tier 3	2008	4.7 (3.5)	5.0 (3.7)	
75≤kW<130	Tier 3	2007	4.0 (3.0)	5.0 (3.7)	0.30 (0.22)
130≤kW≤560	Tier 3	2006	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)
kW>560	Tier 2	2006	6.4 (4.8)	3.5 (2.6)	0.20 (0.15)

[1]The model years listed indicate the model years for which the specified tier of standards take effect.

C) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in Table 4 to Subpart IIII, for all pollutants, as summarized below:

Maximum Engine Power	Model year(s)	NMHC + NOx	CO	PM
37≤kW<56	2010 and earlier	10.5 (7.8)	5.0 (3.7)	0.80 (0.60)
75≤kW<130	2010+	4.0 (3.0)		0.30 (0.22)

D) [RESERVED]

E) Owners and operators of emergency stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests in-use must meet the NTE standards as indicated in 60.4212 as specified below:

(1) 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

(2) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in (1)(i) and (2)(i) above must not exceed the NTE

SPECIFIC CONDITIONS:

numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112, 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

(3) Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines (1)(i) and (2)(i) above may follow the testing procedures specified in 60.4213 of Subpart IIII, as specified below:

(i) Each performance test must be conducted according to the requirements in 40 CFR 60.8 and under the requirements in Table 7 to Subpart IIII. The test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load.

Table 7 to Subpart IIII (Summarized)

Complying with the requirement to	You must	Using	According to the following requirements
Limit the concentration of NO_X in the stationary CI internal combustion engine exhaust.	i. Select the sampling port location and the number of traverse points;	(1) Method 1 or 1A of 40 CFR part 60, appendix A	(a) If using a control device, the sampling site must be located at the outlet of the control device.
	ii. Determine the O_2 concentration of the stationary internal combustion engine exhaust at the sampling port location; and,	(2) Method 3, 3A, or 3B of 40 CFR part 60, appendix A	(b) Measurements to determine O_2 concentration must be made at the same time as the measurement for NO_X concentration.
	iii. If necessary, measure moisture content of the stationary internal combustion engine exhaust at the sampling port location; and,	(3) Method 4 of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03 (incorporated by reference, see § 60.17)	(c) Measurements to determine moisture content must be made at the same time as the measurement for NO_X concentration.
	iv. Measure NO_X at the exhaust of the stationary internal combustion engine	(4) Method 7E of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03 (incorporated by reference, see § 60.17)	(d) NO_X concentration must be at 15 percent O_2, dry basis. Results of this test consist of the average of the three 1-hour or longer runs.
Limit the concentration of PM in the stationary CI internal combustion engine exhaust	i. Select the sampling port location and the number of traverse points;	(1) Method 1 or 1A of 40 CFR part 60, appendix A	(a) If using a control device, the sampling site must be located at the outlet of the control device.
	ii. Determine the O_2 concentration of the stationary internal combustion engine exhaust at the sampling port location; and	(2) Method 3, 3A, or 3B of 40 CFR part 60, appendix A	(b) Measurements to determine O_2 concentration must be made at the same time as the measurements for PM concentration.
	iii. If necessary, measure moisture content of the stationary internal combustion engine exhaust at the sampling port location; and	(3) Method 4 of 40 CFR part 60, appendix A	(c) Measurements to determine moisture content must be made at the same time as the measurements for PM concentration.
	iv. Measure PM at the exhaust of the stationary internal combustion engine	(4) Method 5 of 40 CFR part 60, appendix A	(d) PM concentration must be at 15 percent O_2, dry basis. Results of this test consist of the average of the three 1-hour or longer runs.

SPECIFIC CONDITIONS:

(ii) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR 60.8(c).

(iii) You must conduct three separate test runs for each performance test required in this section, as specified in § 60.8(f). Each test run must last at least 1 hour.

F) Owners and operators of any modified or reconstructed emergency stationary CI ICE subject to this subpart must meet the emission standards applicable to the model year, maximum engine power, and displacement of the modified or reconstructed CI ICE that are specified in paragraphs A) through E) of this condition.

[40 CFR 60.4202, 60.4205, 60.4212, 60.4213, and 60.8]

10. The diesel fuel fired in the stationary emergency engines is subject to the following per-gallon standards: [40 CFR 60.4207(b) and 40 CFR 80.510(b)]

A) Sulfur content. 15 parts per million (ppm) maximum.
B) Cetane index or aromatic content, as follows:
(i) A minimum cetane index of 40; or
(ii) A maximum aromatic content of 35 volume percent.

11. The permittee shall install and maintain a non-resettable hour meter on the new stationary emergency fire pump engine prior to startup. [Rule 62-4.070(3), F.A.C.; and 40 CFR 60.4209(a)]

12. The permittee shall operate the emergency stationary ICE according to the requirements in paragraphs (1) through (3) of this condition. In order for the engine to be considered an emergency stationary ICE under 40 CFR 60, Subpart IIII, 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 (1) through (3) of this condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (3) of this condition, the engine will not be considered an emergency engine under this Subpart IIII 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 (2)(i) through (iii) of this condition for a maximum of 100 hours per year. Any operation for non-emergency situations as allowed by paragraph (3) of this condition counts as part of the 100 hours per calendar year allowed by this paragraph (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,

SPECIFIC CONDITIONS:

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 (2) of this condition. Except as provided in paragraph (3)(i) of this condition, 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.

SPECIFIC CONDITIONS:

(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]

[Rule 62-4.070(3), F.A.C.; 40 CFR 60.4211(f)]

13. No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]

Testing and Recordkeeping Requirements

14. The permittee shall test the new stationary emergency fire pump located at Building No. 520 for visible emissions (opacity) within 60 days of initial operation. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County (EPCHC) within 45 days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. Each test shall be performed using EPA Method 9 and shall be a minimum of 30 minutes in duration. The test shall be performed at the point of highest opacity. [Rules 62-297.310, and 62-4.070(3), F.A.C.; and Chapter 1-3.52(3), Rules of the EPC]

15. Compliance with the testing requirements in Specific Condition No. 14 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rules 62-

SPECIFIC CONDITIONS:

4.070(3) and 62-297, F.A.C.]

16. Testing of emissions from the engine shall be conducted with the engine operating at capacity. Capacity is defined as 90-100% of rated capacity of each unit as specified on Page 3 of this permit. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to clearly identify the specific engine being tested, or to submit the fuel input rates and actual operating conditions, may invalidate the test. [Rules 62-4.070(3) and 62-297.310, F.A.C.]

17. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9, F.A.C]

18. The permittee shall maintain monthly records of the engines' operation in order to demonstrate compliance with Specific Condition No. 5. The records shall be maintained onsite for at least three years and shall be made available to any local, state, or federal air pollution agency. The records shall include as a minimum: [40 CFR 60.4214(b) and 60.4210(f); and Rules 62-4.070(3) and 62-4.160(14)(b), F.A.C.]

A) Month, Year
B) Diesel fuel records demonstrating compliance with Specific Condition No.10
C) Hours of operation of each engine or generator (hours)
D) Monthly and rolling consecutive 12-month totals of hours of operation of each engine or generator (hours)
E) A copy of the manufacturer's engine certification, certificate of conformity, or in-use compliance tests results for engines that were not certified by the manufacturer for each engine subject to 40 CFR 60, Subpart IIII.
F) Manufacturers' engine labels which contain the information required by 40 CFR 60.4210(f) and 40 CFR 1039.135(b) starting with the engine model years as specified below:

Maximum Engine Power	**Starting Model Year**
56≤kW<130	2012
kW≥130	2011

SPECIFIC CONDITIONS:

G) 12-month rolling total of fuel usage for the internal combustion engines listed under Appendix A of this permit.

General Requirements

19. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable requirement or permit condition is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. For the purpose of confirming compliance with the emission limitations in this permit, the EPC may require the use of EPA Method 9, EPA Method 24, or other approved methods, as deemed necessary. [Rules 62-297.310(7)(b) and 62-4.070(3), F.A.C.]

20. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200, F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

A) Alteration or replacement of any equipment* or major component of such equipment.
B) Installation or addition of any equipment* which is a source of air pollution.

*Not applicable to routine maintenance, repair, or replacement of component parts of an air emissions unit.

21. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

22. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited. [Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.]

23. The permittee must submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report

SPECIFIC CONDITIONS:

(AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]

24. A minimum of two copies of an application for an air operation permit shall be submitted to the Environmental Protection Commission of Hillsborough County within 60 days of completion of the initial visible emissions testing of the new fire pump engine, or at least 90 days prior to the expiration date of this permit, whichever occurs first. The application shall also include a copy of the previous three (3) months of records required by this permit. [Rules 62-4.050(2) and 62-210, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.
Executive Director