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Miami, Florida 33233-0316

Authorized Representative:
Mr. Vicente E. Arrebola, P.E., Assistant Director, Wastewater System Operations

Air Permit No. 0250476-011-AC
Permit Expires: August 1, 2017
Minor Air Construction Permit

Central District Wastewater Treatment Plant Cogeneration Facility

Replacement of Two 1.2 Megawatt Engine Generators

PROJECT

This is the final air construction permit, which authorizes the replacement of two existing 1.2 megawatt (MW) engine generators. The proposed work will be conducted at the existing Central District Wastewater Treatment Plant Cogeneration Facility (CDWWTP), which is a water supply facility categorized under Standard Industrial Classification No. 4941. The existing facility is located in Miami-Dade County at 3869 Rickenbacker Causeway in Miami, Florida. The Universal Transverse Mercator (UTM) coordinates are Zone 17, 585.19 km East, and 2848.09 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, no changes were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C., for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

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for Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

CERTIFICATE OF SERVICE

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

Mr. Vicente E. Arrebola, P.E., WASD (arrebv@miamidade.gov)
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Clerk Stamp

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

Lynn Scearce
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FACILITY DESCRIPTION

The existing facility consists of the following emissions units.

Facility ID No. 0250476

ID No.	Emission Unit Description
007	1.2 MW Digester Gas Electric Cogenerator Model 16GTLB (#1)
009	1.2 MW Digester Gas Electric Cogenerator Model 16GTLB (#2)
010	1.2 MW Digester Gas Electric Cogenerator Model 16GTLB (#3) (To be replaced)
011	1.2 MW Digester Gas Electric Generator Model 16GTLB (#4) (To be replaced)
013	2.5 MW Diesel Engine Electric Generator Model EMD 20-645E4 (#1)
014	2.5 MW Diesel Engine Electric Generator Model EMD 20-645E4 (#2)
015	2.5 MW Diesel Engine Electric Generator Model EMD 20-645E4 (#3)
019	2.865 MW Diesel Engine Electric Generator Model EMD 20-645F4B (#4)
020	2.865 MW Diesel Engine Electric Generator Model EMD 20-645F4B (#5)

The Central District Wastewater Treatment Plant Cogeneration Facility (CDWWTP) is engaged in wastewater treatment activities and is publicly owned. The first treatment facilities at the Virginia Key site became operational in 1956 with a capacity of 47 millions of gallons per day (mgd). Since that time numerous additions and modifications to the plant have been made, including the change from aeration to oxygenation in the original plant. The facility consists of two parallel wastewater treatment trains: named Plant No. 1 and Plant No. 2. Plant 1 is rated at 60 mgd annual average daily flow and Plant 2 is rated for 83 mgd annual average daily flow. The total facility is permitted to treat 143 mgd annual average daily flow.

The Miami-Dade Water and Sewer Department is considered the largest public water utility in the Southeast United States, providing direct services to approximately 420,000 retail customers. Additionally, wholesale water and/or wastewater service is provided to 18 municipalities within Miami-Dade County. Miami-Dade Water and Sewer Department's current service population of 2.3 million is expected to reach the 2.8 million mark by the year 2030.

PROPOSED PROJECT

This project authorizes the replacement of two existing 1.2 megawatt (MW) engine generators. Specifically in this air construction permit application, Miami-Dade Water and Sewer Department (MDWASD) seeks to replace two (2) of its four (4) older digester gas (biogas) fueled 1.2 megawatt Superior Model 16GTLB electrical cogeneration engines (Nos. 3 and 4, Emissions Unit ID Nos. 010 and 011) with two (2) new 1.2 megawatt Superior Model 16GTLD engine driven cogenerator units at its Central District Wastewater Treatment Plant, Facility ID No. 0250476, located on Virginia Key, Florida.

These engines are subject to 40 CFR Part 60 Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*. These engines are also subject to the requirements of 40 CFR 63, Subpart ZZZZ, *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)*. However, 40 CFR 63.6590(c) and (1) states: (c) *Stationary RICE subject to Regulations under 40 CFR Part 60.* An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part. (1) A new or reconstructed stationary RICE located at an area source. Therefore for this project, compliance with subpart JJJJ satisfies subpart ZZZZ requirements.

This project will add the following emissions units at the facility.

Facility ID No. 0250476	
ID No.	**Emission Unit Description**
021	1.2 MW Digester Gas Electric Cogenerator Model 16GTLD (New)
022	1.2 MW Digester Gas Electric Cogenerator Model 16GTLD (New)

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address is 2600 Blairstone Road (MS #5505), Tallahassee, Florida 32399-2400. All documents related to applications for permits to operate an emissions unit shall be submitted to the Southeast District Air Program at: 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southeast District Air Program at: 400 North Congress Avenue, Suite 200, West Palm Beach, Florida 33401. Copies of all such documents shall also be sent to Miami-Dade County Permitting, Environmental and Regulatory Affairs (PERA) at: 7801 NW 1st Court, Suite 400, Miami, Florida 33136

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]

8. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220 and Chapter 62-213, F.A.C.]

A. REPLACEMENT OF TWO ENGINE GENERATORS

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
021	1.2 MW Digester Gas Electric Cogenerator Model 16GTLD (New)
022	1.2 MW Digester Gas Electric Cogenerator Model 16GTLD (New)

These emissions units (EU) are 1.2 megawatt (MW) Superior Model 16GTLD engine driven co-generator units. The engines are subject to the requirements of 40 CFR Part 60 Subpart JJJJ and 40 CFR Part 63, Subpart ZZZZ, and are classified as new, non-emergency spark ignition (SI) four-stroke lean burn (4SLB) engines, by the subparts. These emission units will replace two (2) (i.e., EU 010 and EU 011) of four (4) existing 1.2 MW digester gas-fired co-generators that are listed individually but regulated collectively. These units generate heat for anaerobic digesters and produce electricity for in-plant use. The units are equipped with lean burn combustion technology to reduce nitrogen oxides (NO_x) emissions.

The following table provides important details for these emissions units:

E.U. ID No.	Engine Brake HP	Date of Construction	Model Year	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Serial #	Date of last mod. or reconst.
021 022	1.2 MW 1760 HP	2013	2013	Digester Gas	Non-Emergency	13.519	Unknown	N/A

EQUIPMENT

1. Reciprocating Internal Combustion Engines: The permittee is authorized to install two 1.2 megawatt Superior Model 16GTLD engine driven co-generator units. These emission units will replace two (2) (EU 010) and (EU 011) of four (4) existing 1.2 MW digester gas-fired co-generators that are listed individually but regulated collectively. [Application No. 0250476-011-AC]

PERFORMANCE RESTRICTIONS

2. Authorized Fuel: The emissions unit shall be fired with digester gas (biogas), only. [Application No. 0250476-011-AC and Rule 62-210.200(PTE), F.A.C.]

3. Hours of Operation: The combined hours of operation for the units No. 007, 009, 021, and 022 shall not exceed 26,280 hours in any consecutive 12-month period. [Application No. 0250476-011-AC and Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

For the purposes of 40 CFR Part 60 Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines*, replacement Cogeneration units #3 and #4 (E.U. 021 and 022) are considered new sources and must comply with new standards of performance in Subpart JJJJ Section 60.4233(e) and (f)(5) for emission standards found in Table 1 to Subpart JJJJ of 40 CFR Part 60. *Note that a footnote to Table 1 states that owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O_2.*

4. NO_X Emissions: Nitrogen oxides (NO_X) emissions shall not exceed 2.0 grams per horsepower hour (g/HP-hr) or 150 parts per million by volume dry (ppmvd) @15% O_2. [40 CFR 60.4233; Table 1 to Subpart JJJJ of Part 60 CFR]

5. CO Emissions: Carbon monoxide (CO) emissions shall not exceed 5.0 g/HP-hr or 610 ppmvd @15% O_2. [40 CFR 60.4233; Table 1 to Subpart JJJJ of Part 60 CFR]

6. VOC Emissions: Volatile organic compounds (VOC) emissions shall not exceed 1.0 g/HP-hr or 80 ppmvd @15% O_2. [40 CFR 60.4233; Table 1 to Subpart JJJJ of Part 60 CFR]

COMPLIANCE REQUIREMENTS

7. Maintenance Plan: The permittee must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.4243]

8. Initial and Subsequent Performance Tests. The permittee must conduct an initial performance test within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance. [40 CFR 60.4243]

TESTING REQUIREMENTS

9. Compliance Test Procedures: Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures below.

   a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in 40 CFR 60.8 and under the specific conditions that are specified by Table 2 of 40 CFR 60 Subpart JJJJ.

   b. Performance tests during periods of startup, shutdown, or malfunction are not allowed, as specified in 40 CFR 60.8(c). If the stationary SI internal combustion engine is non-operational, it is not necessary to startup the engine solely to conduct a performance test; however, the performance test must be conducted immediately upon startup of the engine.

   c. Three separate test runs must be conducted for each performance test required, as specified in 40 CFR 60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

   d. To determine compliance with the NO_X mass per unit output emission limitation, the concentration of NO_X in the engine exhaust should be converted using Equation 1, below:

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \qquad \text{(Eq. 1)}$$

Where:

ER = Emission rate of NO_X in g/HP-hr.

C_d = Measured NO_X concentration in parts per million by volume (ppmv).

1.912×10^{-3} = Conversion constant for ppm NO_X to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, horsepower-hour (HP-hr).

e. To determine compliance with the CO mass per unit output emission limitation, the concentration of CO in the engine exhaust should be converted using Equation 2, below:

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \qquad \text{(Eq. 2)}$$

Where:

ER = Emission rate of CO in g/HP-hr.

Cd = Measured CO concentration in ppmv.

1.164×10^{-3} = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

f. When calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, the concentration of VOC in the engine exhaust should be converted using Equation 3, below:

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \qquad \text{(Eq. 3)}$$

Where:

ER = Emission rate of VOC in g/HP-hr.

Cd = VOC concentration measured as propane in ppmv.

1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.

Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.

T = Time of test run, in hours.

HP-hr = Brake work of the engine, in HP-hr.

g. If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5, below. The corrected VOC concentration can then be placed on a propane basis using Equation 6, below.

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \qquad \text{(Eq. 4)}$$

Where:

RFi = Response factor of compound i when measured with EPA Method 25A.

$C_M i$ = Measured concentration of compound i in ppmv as carbon.

$C_A i$ = True concentration of compound i in ppmv as carbon.

$$C_{iac} = RF_i \times C_{imac} \qquad \text{(Eq. 5)}$$

Where:

Ci_{corr} = Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.

Ci_{meas} = Concentration of compound i measured by EPA Method 320, ppmv as carbon.

$$C_{Peq} = 0.6098 \times C_{i,corr} \qquad \text{(Eq. 6)}$$

Where:

CPeq = Concentration of compound i in mg of propane equivalent per DSCM.

[40 CFR 60.4244]

10. Table 2 to Subpart JJJJ of Part 60—Requirements for Performance Tests:

For each	Complying with the requirement to	The permittee must	Using	According to the following requirements
1. Stationary SI internal combustion engine demonstrating compliance according to 40 CFR 60.4244.	a. limit the concentration of NO_X in the stationary SI 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 or ASTM Method D6522–00(2005)[a].	(a) If using a control device, the sampling site must be located at the outlet of the control device.
		(ii. Determine the O_2concentration of the stationary internal combustion engine exhaust at the sampling port location;	(2) Method 3, 3A, or 3B[b]of 40 CFR part 60, appendix A or ASTM Method D6522–00(2005)[a].	(b) Measurements to determine O_2 concentration must be made at the same time as the measurements for NO_X concentration.
		iii. Determine the exhaust flowrate of the stationary internal combustion engine exhaust;	(3) Method 2 or 19 of 40 CFR Part 60.	
		iv. If necessary, measure moisture content of the stationary internal combustion engine exhaust at the sampling port location; and	4) Method 4 of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D6348–03 (incorporated by reference, see 40 CFR 60.17).	(c) Measurements to determine moisture must be made at the same time as the measurement for NO_X concentration.
		v. Measure NO_X at the exhaust of the stationary internal combustion engine.	(5) Method 7E of 40 CFR part 60, appendix A, Method D6522–00(2005)[a], Method 320 of 40 CFR part 63, appendix A, or	(d) Results of this test consist of the average of the three 1-hour or longer runs.

			ASTM D6348–03 (incorporated by reference, see §60.17).	
	b. limit the concentration of CO in the stationary SI 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_2concentration of the stationary internal combustion engine exhaust at the sampling port location;	(2) Method 3, 3A, or 3Bb of 40 CFR part 60, Appendix A or ASTM Method D6522–00(2005)[a].	(b) Measurements to determine O_2concentration must be made at the same time as the measurements for CO concentration.
		iii. Determine the exhaust flowrate of the stationary internal combustion engine exhaust;	(3) Method 2 or 19 of 40 CFR part 60.	
		iv. If necessary, measure moisture content of the stationary internal combustion engine exhaust at the sampling port location; and	(4) Method 4 of 40 CFR part 60, appendix A, Method 320 of 40 CFR part 63, appendix A, or ASTM D6348–03 (incorporated by reference, see 40 CFR 60.17).	(c) Measurements to determine moisture must be made at the same time as the measurement for CO concentration.
		v. Measure CO at the exhaust of the stationary internal combustion engine.	(5) Method 10 of 40 CFR part 60, Appendix A, ASTM Method D6522–00(2005)[a], Method 320 of 40 CFR part 63, Appendix A, or ASTM D 6348–03 (incorporated by reference, see 40 CFR 60.17).	(d) Results of this test consist of the average of the three 1-hour or longer runs.
	c. limit the concentration of VOC in the stationary SI 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_2concentration of the stationary internal combustion engine exhaust at the sampling port	(2) Method 3, 3A, or 3B[b]of 40 CFR part 60, Appendix A or ASTM Method D6522–00(2005)[a].	(b) Measurements to determine O_2concentration must be made at the same time as the measurements for

		location;		VOC concentration.
		iii. Determine the exhaust flowrate of the stationary internal combustion engine exhaust;	(3) Method 2 or 19 of 40 CFR Part 60.	
		iv. If necessary, measure moisture content of the stationary internal combustion engine exhaust at the sampling port location; and	(4) Method 4 of 40 CFR part 60, Appendix A, Method 320 of 40 CFR part 63, Appendix A, or ASTM D6348–03 (incorporated by reference, see 40 CFR 60.17).	(c) Measurements to determine moisture must be made at the same time as the measurement for VOC concentration.
		v. Measure VOC at the exhaust of the stationary internal combustion engine.	(5) Methods 25A and 18 of 40 CFR part 60, appendix A, Method 25A with the use of a methane cutter as described in 40 CFR 1065.265, Method 18 or 40 CFR part 60, Appendix A,[cd] Method 320 of 40 CFR part 63, Appendix A, or ASTM D6348–03 (incorporated by reference, see §60.17).	(d) Results of this test consist of the average of the three 1-hour or longer runs.

[a]ASTM D6522–00 is incorporated by reference; see 40 CFR 60.17. Also, the permittee may petition the Administrator for approval to use alternative methods for portable analyzer.

[b]The permittee may use ASME PTC 19.10–1981, Flue and Exhaust Gas Analyses, for measuring the O_2content of the exhaust gas as an alternative to EPA Method 3B.

[c]The permittee may use EPA Method 18 of 40 CFR part 60, Appendix A, provided that the permittee conduct an adequate presurvey test prior to the emissions test, such as the one described in OTM 11 on EPA's Web site (*http://www.epa.gov/ttn/emc/prelim/otm11.pdf*).

[d]The permittee may use ASTM D6420–99 (2004), Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography/Mass Spectrometry as an alternative to EPA Method 18 for measuring total nonmethane organic.

11. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

RECORDS AND REPORTS

12. Reporting and Recordkeeping: 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 below.

- All notifications submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification.
- Maintenance conducted on the engine.
- Since the stationary SI internal combustion engines are not certified engines, documentation that the engine meets the emission standards.

b. Owners and operators of stationary SI ICE greater than or equal to 500 HP that have not been certified by an engine manufacturer to meet the emission standards in 40 CFR 60.4231 must submit an initial notification as required in 40 CFR 60.7(a)(1). The notification must include the information listed below.

- Name and address of the owner or operator;
- The address of the affected source;
- Engine information including make, model, engine family, serial number, model year, maximum engine power, and engine displacement;
- Emission control equipment; and
- Fuel used.

C. Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in 40 CFR 60.4244 within 60 days after the test has been completed.

[40 CFR 60.4245]

13. Monitoring, Reporting and Recordkeeping Requirements: To demonstrate that the post project actual annual emissions are equal to or less than the projected actual emissions of CO (125.81 tons/year), NO_x (81.47 tons/year), SO_2 (70.49 tons/year) and VOC (43.05 tons/year) for the 1.2 MW Digester Gas Electric Cogenerators (EUs 007, 009, 021, 022), the permittee shall do the following:

1. The permittee shall monitor the pollutant emissions; and, using the most reliable information available, calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations. Emissions shall be computed in accordance with Rule 62-210.370, F.A.C.

2. The permittee shall report to the Department's Office of Permitting and Compliance within 60 days after the end of each year during which records must be generated under subparagraph 62-212.300(1)(e)1., F.A.C., setting out the units annual emissions during the calendar year that preceded submission of the report. The report shall contain the following:

a. The name, address and telephone number of the owner or operator of the major stationary source;
b. The annual emissions as calculated pursuant to subparagraph 62-212.300(1)(e)1., F.A.C.;
c. If the emissions differ from the preconstruction projection, an explanation as to why there is a difference; and
d. Any other information that the owner or operator wishes to include in the report.

3. Reporting of any actual emissions levels that results in a significant increase of any pollutant as described in the Technical Evaluation and Preliminary Determination document for this project shall require that the permittee submit a PSD air construction permit application to address the pollution increase.

4. The information required to be documented and maintained pursuant to subparagraphs 62-212.300(1)(e)1. and 2., F.A.C., shall be submitted to the Department's Office of Permitting and Compliance, which shall make it available for review to the general public.

[Rule 62-212.300 F.A.C.]

14. Table 3 to Subpart JJJJ of Part 60—Applicability of General Provisions to Subpart JJJJ:

As stated in 40 CFR 60.4246, the permittee must comply with the following applicable General Provisions.

General provisions citation	Subject of citation
§60.1	General applicability of the General Provisions
§60.2	Definitions
§60.3	Units and abbreviations
§60.4	Address
§60.5	Determination of construction or modification
§60.6	Review of plans
§60.7	Notification and Recordkeeping
§60.8	Performance tests
§60.9	Availability of information
§60.10	State Authority
§60.11	Compliance with standards and maintenance requirements
§60.12	Circumvention
§60.14	Modification
§60.15	Reconstruction
§60.16	Priority list
§60.17	Incorporations by reference
§60.19	General notification and reporting requirements