TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

FOR

City of Tampa – Wastewater Department

Howard F. Curren AWT Plant

Hillsborough County

Air Construction Permit

Application Number

0570373-022-AC and 0570373-023-AV

Environmental Protection Commission of

Hillsborough County

Tampa, FL

November 7, 2014

I. Project Description

A. Applicant: Eric A. Weiss, P.E.
Director
City of Tampa – Wastewater Department
Howard F. Curren AWT Plant
2700 Maritime Boulevard
Tampa, FL 33605

B. Engineer: Tom T. John, P.E.
Thompson Global Partners, Incorporated
405 North Reo Street
Suite 300
Tampa, FL 33609

P.E. No.: 33157

C. Project and Location:

Attached is concurrent Draft AC Permit No. 0570373-022-AC and DRAFT/PROPOSED Title V Operation Revision Permit No 0570373-023-AV to limit the operation of the digester gas fueled engines identified as EU 020 in the current Title V Permit No. 0570373-021-AV, so that the facility does not trigger the PSD requirements of Rule 62-212.400, F.A.C. Specifically, the AC/Title V permit will limit the total hours of operation for these engines to 12,700 hours for any 12-month consecutive period, while giving the facility flexibility to operate more than one of the (5) digester gas engines at any given time.

The project has been assigned NEDS Source Classification Code Nos. 2-03-007-02, Internal Combustion Engines, Digester Gas, Reciprocating: POTW Digester Gas. The Standard Industrial Code for the project is No. 4952, Sewer Systems. The project is located at 2700 Maritime Boulevard, Tampa, FL 33605. UTM Coordinates of the location are 17-364.00 E and 3089.50 N.

D. Process and Controls:

The regulated emissions units at this wastewater treatment plant consist of two sludge dryer trains, five sludge storage silos, two truck loading stations with three truck loading spouts, four diesel fired engines/generators, two natural gas fired generators, five digester gas fired engines/generators, and a methanol storage tank. Electricity for the facility is normally supplied by TECO and the five digester gas generators (0.5 MW each). In addition, two natural gas fired generators and four diesel fired engines/generators can be used as standby emergency power as well as supplemental generation that will be dispatched to the grid for TECO. The five digester gas engines/generators are identical Waukesha VHP-L7042 GU, 4

stroke spark ignition engines, rated at 670.5 bhp each, fired exclusively on digester gas. The maximum heat input rate for each engine is 5.6 MMBtu/hr based on a digester gas heating value of 621 Btu/cf and a fuel flow rate of 9,000 cf/hr of each engine.

E. Application Information:

Application Received: October 3, 2014
Addition Information Requested: N/A
Application Completed: October 3, 2014

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C., since this project is minor by state definition.

This project is subject to the requirements of Rule 62-212.300, General Preconstruction Review Requirements, F.A.C., since it is a source of air pollution requiring a permit under this rule.

This project is subject to the requirements of Rule 62-213, Operation Permits for Major Sources of Air Pollution, F.A.C., since the facility is a Title V Major Source by state definition.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since the project is a source of particulate matter, VOC, and a potential source of odors.

This project is not subject to the requirements of Rule 62-296.401 through 62-296.417, Specific Emission Limiting and Performance Standards, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.500, Reasonably Available Control Technology for VOC and NOX Emitting Facilities, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.600, Reasonably Available Control Technology - Lead, F.A.C., since there is no applicable source category.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology Particulate Matter, F.A.C., since there is no applicable source specific category in this rule.

This project is subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since the digester generators are subject to 40 CFR 63 Subpart ZZZZ, (National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)).

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter

1-3, Rules of the Environmental Protection Commission of Hillsborough County.

III. Summary of Emissions

EU 020 – Five Digester Gas Engines/Generators

Regulated Pollutants	Potential Emissions (TPY)
NO_x	78.4
CO	132.0
SO_2	0.02
VOC	1.1
PM	0.3
HAPS	1.1
CO_2	3,903.9

The potential to emit (PTE) is based on the combined total hours of operation for all the engines of 12,700 hours/12-month consecutive period, operated at a maximum flow rate of 9,000 ft^3/hr, heat input rate of 5.6 MMBtu/hr and heat content for digester gas of 621 Btu/ft^3 (AP-42 Table 3.2-3).

Inventory of Title III pollutants is estimated to be less than 10 TPY individually and less than 25 TPY collectively.

IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit to construct ("after-the-fact") the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

File No.: 0570373-022-AC
County: Hillsborough

Eric A. Weiss, P.E.
Director
City of Tampa – Wastewater Department
Howard F. Curren AWT Plant
2700 Maritime Boulevard
Tampa, FL 33605

INTENT TO ISSUE

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

On October 3, 2014, City of Tampa – Wastewater Department, Howard F. Curren AWT Plant, requested to limit the operation of the (5) digester gas fueled engines identified as EU 020, based on the maximum hours of operation for all the engines in any 12-month consecutive period.

The EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-212. The project is not exempt from permitting procedures. The EPC has determined that an air pollution construction permit is required to commence or continue operations at the described facility.

The EPC intends to issue this permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-204 through 62-297 and 62-4.

Pursuant to Section 403.815 and Rule 62-110.106(7)(a)1., F.A.C, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days of receipt of this Intent to Issue, in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of

this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the EPC at the address or telephone number listed below. **The applicant shall provide proof of publication to the EPC, Air Permitting Section, at 3629 Queen Palm Drive, Tampa, Florida 33619 (Phone 813-627-2600 - FAX 813-627-2660) within 7 (seven) days of publication, pursuant to Rule 62-110.106(5), F.A.C.** Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(9)&(11), F.A.C.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S.; or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the EPC's action is based is required to contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number if known;

(b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

(c) A statement of how and when the petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC's proposed action;

(f) A statement of specific rules or statutes that the petitioner contends requires reversal or modification of the EPC's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner,

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any,

(c) Each rule or portion of a rule from which a variance or waiver is requested,

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above,

(e) The type of action requested,

(f) The specific facts that would justify a variance or waiver for the petitioner,

(g) The reason by the variance or waiver would serve the purposes of the underlying statute (implemented by the rule), and

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of the those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statues, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

_____

Richard D. Garrity, Ph.D.

Executive Director

cc: Tom T. John, P.E - Thompson Global Partners, Incorporated

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on _____ to the listed persons.

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

_____ _____
Clerk Date

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Eric A. Weiss, P.E.
Director
City of Tampa – Wastewater Department
Howard F. Curren AWT Plant
2700 Maritime Boulevard
Tampa, FL 33605

Dear Mr. Weiss:

Re: Hillsborough County - AP

Enclosed is Permit Number No. 0570373-022-AC to revise the permit operation limit for the five (5) digester gas fired engines/generators at the Howard F. Curren AWT Plant, issued pursuant to Section 403.087, Florida Statutes. This permit is being co-issued with Title V Revision Permit No. 0570373-023-AV.

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: Tom T. John, P.E - Thompson Global Partners, Incorporated

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:	PERMIT/CERTIFICATION
City of Tampa – Wastewater Department	Permit No.: 0570373-022-AC
Howard F. Curren AWT Plant	County: Hillsborough
2700 Maritime Boulevard	Expiration Date: November 7, 2015
Tampa, FL 33605	Project: Digester Gas Engines/Generators

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:

The regulated emissions units at this wastewater treatment plant consist of two sludge dryer trains, five sludge storage silos, two truck loading stations with three truck loading spouts, four diesel fired engines/generators, two natural gas fired generators, five digester gas fired engines/generators, and a methanol storage tank.

Sludge generated in the wastewater treatment process is fermented in the heated sludge digester tanks. Anaerobic bacteria aid in the sludge decomposition process for a period of time until all harmful microorganisms contained in the sludge are destroyed. The sludge decomposition process generates digester gas (a mixture of approximately 60% methane, 30% CO_2, nitrogen, and other impurities) which is fed to the five digester gas generators (0.5 MW each), which generate a portion of the electricity required to run the wastewater treatment plant. Normally, electricity is supplied by TECO. Also, two natural gas fired generators and four diesel fired engines/generators can be used as standby emergency power as well as supplemental generation that will be dispatched to the grid for TECO.

The five digester gas engines/generators are identical Waukesha VHP-L7042 GU, 4 stroke spark ignition engines, rated at 670.5 bhp each, fired exclusively on digester gas. The maximum heat input rate for each engine is 5.6 MMBtu/hr based on a digester gas heating value of 621 Btu/cf and a fuel flow rate of 9,000 cf/hr of each engine.

This emission unit is subject to 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary RICE, but is not subject to 40 CFR 60, Subpart IIII or JJJJ since the engines were constructed in between 1984 and 1987.

Location: 2700 Maritime Boulevard, Tampa

UTM: 17-364.00E 3089.50N. NEDS NO: 0373

EU ID No.: EU 020 - Five Digester Gas Engines/Generators

References Permit No. 0570373-021-AV

SPECIFIC CONDITIONS:

General Facility-wide Permit 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. 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 or other approved methods, as deemed necessary.
[Rules 62-297.310(7)(b) and 62-4.070(3), F.A.C.]

6. 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.

7. 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

SPECIFIC CONDITIONS:

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.]

8. 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.]

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

Permit Restrictions and Limitations (EU 020)

10. Hours of Operation. The total hours of operation for all the digester engines under this emissions unit cannot exceed 12,700 hours in any 12-month consecutive period.
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., EPC Case No. 14-0403AR0373 and Air Construction Permit and Title V Permit Revision Applications submitted October 3, 2014]

11. Fuels. The digester engines shall be fired exclusively on digester gas.
[Rule 62-4.070(3), F.A.C. and Rule 62-210.200, F.A.C., Definitions - (PTE)]

12. The maximum allowable heat input rate for each engine is 5.6 MMBtu/hr. [Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., and Air Construction Permit and Title V Permit Revision Applications submitted October 3, 2014]

13. In order to establish the facility as a non-Title V source for Hazardous Air Pollutants (HAP), the HAP, as defined in Rule 62-210.200, F.A.C., emissions shall be less than 10 tons in any 12 consecutive month period for any individual HAP, and less than 25 tons in any 12 consecutive month period for any combination of HAPs.
[Rule 62-210.200, F.A.C., Definitions-Potential to Emit (PTE), Major Source of Air Pollution]

14. Visible emissions shall not be greater than or equal to 20% opacity.
[Rule 62-296.320(4)(b)1., F.A.C.]

SPECIFIC CONDITIONS:

Test Methods and Procedures

15. The permittee shall test each digester generator during each federal fiscal year (October 1st to September 30th) to demonstrate compliance with the emission standard for opacity. [Rule 62-297.310(7)(a)4., F.A.C. and Title V Permit No. 0570373-021-AV]

16. Visible emissions compliance testing shall be performed using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297.401, F.A.C. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297.310, F.A.C. and 40 CFR 60, Appendix A. [Rule 62-297.310, F.A.C.]

17. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the rated capacity of 5.6 MMBtu/hr for each digester engine. 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 Environmental Protection Commission of Hillsborough County. Failure to submit the input rates, load levels, monitored parameters, and actual operating conditions may invalidate the test.
[Rule 62-297.310(2), F.A.C.]

18. The required minimum period of observation for the EPA Method 9 compliance tests shall be thirty (30) minutes. The opacity test observation period shall include the period during which the emissions unit is operating at capacity as defined in Specific Condition No. 17.
[Rule 62-297.310(4)(a), F.A.C.]

Monitoring, Recordkeeping, and Reporting Requirements

19. The permittee shall maintain monthly records and 12-month rolling totals of the hours of operation and the digester gas fuel usage for the digester gas engines/generators.
[Rule 62-213.440(1)(b)1.b., F.A.C.]

20. The following inspections and maintenance shall be conducted on the schedule specified:

(a) Every 1,440 hours of operation or annually, whichever comes first:
  (1) Change engine oil and filter.
  (2) Replace engine intake air filter.
  (3) Inspect spark plugs and replace as necessary.
  (4) Inspect all hoses and belts and replace as necessary.
(b) Annually

SPECIFIC CONDITIONS:

(1) Drain and flush engine coolant and refill with fresh coolant.
(2) Test all engine shut-down devices.
(3) Load test engine and generator.

(c) Records of inspections and maintenance shall be kept on-site for a minimum of five (5) years for inspection by the Environmental Protection Commission of Hillsborough County or approved State or Federal agency upon request.

[40 CFR 63.6603, Rule 62-4.160(14)(b), F.A.C., and Rule 62-4.070(3), F.A.C.]

21. At all times the permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with the manufacturer's emission-related operation and maintenance instructions and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if the levels required have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605 and 63.6640]

22. The permittee shall keep the following records:

(a) A copy of each notification and report that was submitted, including all documentation supporting any Initial Notification or Notification of Compliance Status, according to the requirement in §63.10(b)(2)(xiv).
(b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment).
(c) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).
(d) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655]

23. <u>Federal 40 CFR 63 NESHAP Subpart ZZZZ Requirements</u> – In addition to the conditions in this permit, the existing stationary engines in EU 020 are required to comply with all the applicable requirements of 40 CFR 63, Subpart ZZZZ (National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)), which is attached to this permit. The compliance date for EU 020 is October 19, 2013.

SPECIFIC CONDITIONS:

[40 CFR 63 Subpart ZZZZ, Rule 62-204.800, F.A.C., and Rule 62-4.070(3), F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

_____
Richard D. Garrity, Ph.D.
Executive Director