JULY 20, 2017
ELECTRONIC CORRESPONDENCE
CHARLES.BIONDO@PSM.ANSALDOENERGIA.COM

NOTICE OF AIR OPERATION PERMIT REVISION

PERMITTEE:
Power Systems Mfg., LLC
1440 West Indiantown Road
Jupiter, Florida 33458

Revised Air Permit No.: 0990687-004-AO
PALM BEACH COUNTY, FLORIDA
Issued: 07/20/2017
Expires: 01/19/2020

Authorized Representative:
Charles Biondo, Vice President, Workshop Operations

Project: Revision of Permit No. 0990687-003-AO in response to the changes requested by the permittee to remove 3 redundant scrubber performance parameters in EU001, Section 3.A., Specific Condition 6.

Dear Mr. Biondo:

Enclosed is the **Revised Air Permit No. 0990687-004-AO** for the operation of a source of air pollution located in Palm Beach County. This permit is issued pursuant to Chapter 403.087 of the Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code.

The Florida Department of Environmental Protection (DEP) has permitting jurisdiction for this project pursuant to Section 403.087 of the Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the DEP recognizes the Florida Department of Health Palm Beach County (Health Department) as the approved local air pollution control program in Palm Beach County. As such, the DEP and the Health Department have entered into a Specific Operating Agreement that authorizes the Health Department to issue or deny permits for this type of air pollution source located in Palm Beach County. Accordingly, the Health Department issues this permit under the provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.).

A person whose substantial interests are affected by the Department's permitting decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Palm Beach County Health Department Legal Office, located at 800 Clematis Street in West Palm Beach, Florida, 33401 (Telephone: (561) 671-4007, Fax (561) 837-5195). Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this final permit. A petitioner must 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 permitting authority's action is based must 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; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of how and when each petitioner received notice of the agency action or proposed 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, as well as the rules and statutes which entitle the petitioner to relief;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority'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 Department's final action may be different from the position taken by it in this final permit. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this action.

Any party to this Order (Permit) has the right to seek judicial review pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure with the Health Department at the address listed below 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 Order (Permit) is filed with the Clerk of the Health Department.

Executed in West Palm Beach, Florida
PALM BEACH COUNTY HEALTH DEPARTMENT

Laxmana Tallam

Laxmana Tallam, P.E., Environmental Administrator
Air & Waste Section
Division of Environmental Public Health

If you have any questions, contact:
Paul Kalamaras, Engineering Specialist III
Air & Solid Waste Program
Palm Beach County Health Department
800 Clematis St., 4th Floor
West Palm Beach, Florida, 33401
Tel. (561) 837-5946

CERTIFICATE OF SERVICE

The undersigned duly designated agency clerk hereby certifies that the **Notice of Permit Revision** and the **Final Permit Revision** were sent by electronic email (with received receipt) before the close of business on 07/20/17 to the permittee.

Charles Biondo, Vice President, Workshop Operations
Power Systems Mfg., LLC.
1440 West Indiantown Road
Jupiter, Florida 33458
CHARLES.BIONDO@PSM.ANSALDOENERGIA.COM

In addition, the undersigned duly designated deputy agency clerk hereby certifies that ***copies*** of these documents were sent by electronic email (with received receipt) on the same date to the following persons:

Diane Pupa
Southeast District Office, FDEP
3301 Gun Club Road, MSC 7210-1
West Palm Beach, Florida 33406
Diane.Pupa@dep.state.fl.us

Cintya P. Bailey, EHS Program Lead
Power Systems Mfg., LLC
1440 West Indiantown Road
Jupiter, Florida 33458
Cintya.Bailey@psm.ansaldoenergia.com

Jorge Patino, PE II, Supervisor, Air and Solid Waste
Florida Department of Health Palm Beach County
800 Clematis ST, 4th Floor
West Palm Beach, Florida 33401
Jorge.patino@flhealth.gov

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

Pearl Kalamerus — (Clerk)

7/20/17 — (Date)

The referenced air permit is revised as follows:

FROM:

III.A.6 The performance parameters shall include, but may not be limited to the following indicators:

- Scrubber pH reading (Operating Limit >1)
- Neutralization pH Reading (Discharge Limit 5.5 – 9.5)
- Recycle Pump Discharge Pressure (lb/in^2) (Operating Limit 18 PSI +/- 2 psi)
- Make-Up rate (gal/hr) (Operating Limit 16 - 28)
- Packed Bed Differential Pressure ("W.C.) (Operating Limit 2.5 +10%)
- Mist Eliminator Differential Pressure ("W.C.) (Operating Limit 3 + 10%)
- **Air Flow Rate (ft^3/min) (Operating @6000 CFM)**
- **NaOH Usage : (Stroke Length, % Setting)**
- **HCl Usage : (Stroke Length, % Setting)**

[Permit No. 0990687-001-AC and 62-4.070(3)]

TO:

III.A.6 The performance parameters shall include, but may not be limited to the following indicators:

- Scrubber pH reading (Operating Limit >1)
- Neutralization pH Reading (Discharge Limit 5.5 – 9.5)
- Recycle Pump Discharge Pressure (lb/in^2) (Operating Limit 18 PSI +/- 2 psi)
- Make-Up rate (gal/hr) (Operating Limit 16 - 28)
- Packed Bed Differential Pressure ("W.C.) (Operating Limit 2.5 +10%)
- Mist Eliminator Differential Pressure ("W.C.) (Operating Limit 3 + 10%)

[Permit No. 0990687-001-AC and 62-4.070(3)]

{Permit Revision Note: For the removal of Air Flow Rate: Once the baseline has been established the air flow rate will not change if the packed bed differential pressure readings do not change. For the Removal of NaOA usage: The feed system keeps the scrubber pH level as desired conditions, consequently if the scrubber pH is adequate than the NaOH feed rate is adequate. For the removal of HCl usage: The HCl feed system keeps the scrubber pH level at the desired conditions, consequently if the scrubber pH is adequate than the HCl feed rate is adequate.}

All other permit conditions remain in effect. This letter shall be attached to the air pollution permit and becomes a part of that permit.

AIR OPERATION PERMIT REVISION

PERMITTEE

Power Systems Mfg, LLC.
1440 Indiantown Road
Jupiter, Florida 33458

Air Permit No. 0990687-004-AO
Permit Issued: **07/20/2017**
Permit Expires: **01/19/2020**
Renewal Date: **11/19/2019**
Air Operation Permit Revision

Authorized Representative:
Charles Biondo, Vice President, Workshop Operations

Power Systems Mfg., LLC.
Palm Beach County, Florida

PROJECT

This is the FINAL Air Operation Permit Revision, which authorizes the operation of Power Systems Mfg., LLC, which is Engineering Services (Standard Industrial Classification No. 8711 and NAICS is 541330). This project is a minor modification to Permit No. 0990687-003-AO in response to the changes requested by the permittee to remove 3 redundant scrubber performance parameters in EU001, Section 3.A. Specific Condition 6. The facility is located in Palm Beach County at 1440 Indiantown Road in Jupiter, Florida. The UTM coordinates are Zone 17, Zone 17; 587.24 km E; 2979.25 km N; 26° 55' 56.72" North / Longitude: 80° 07' 16.61" West.

This FINAL Permit Revision 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.

Permitting Authority: Applications for air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4 and 62-210 of the Florida Administrative Code (F.A.C.). The Permitting Authority responsible for making a permit determination for this project is the Florida Department of Health Palm Beach County (Health Department). The Permitting Authority's physical address is: 800 Clematis Street, 4th Floor, West Palm Beach, Florida 33401. The Permitting Authority's mailing address is: 800 Clematis, 4th Floor, P.O. Box 29, West Palm Beach, Florida 33402-0029. The Permitting Authority's telephone number is 561-837-5900.

Petitions. A person whose substantial interests are affected by the proposed decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Palm Beach County Health Department Legal Office, located at 800 Clematis Street in West Palm Beach, Florida, 33401 (Telephone: (561) 671-4007, Fax (561) 837-5195). Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this notice. Petitions filed by any other person must be filed within 14 days of receipt of this proposed action. A petitioner must 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 Department's action is based must 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; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when each petitioner received notice of the agency action or proposed 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, as well as the rules and statutes which entitle the petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority'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 Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.

Effective Date: This permitting decision is final and effective on the date filed with the clerk of the Permitting Authority unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this action will not be effective until further order of the Permitting Authority.

Judicial Review: Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of Palm Beach County Health Department Legal Office, located at 800 Clematis Street in West Palm Beach, Florida, 33401 (Telephone: (561) 671-4007, Fax (561) 837-5195), 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.

ISSUED BY:

Executed in West Palm Beach, Florida
PALM BEACH COUNTY HEALTH DEPARTMENT

Laxmana Tallam

Laxmana Tallam, P.E., Environmental Administrator
Air & Waste Section
Division of Environmental Public Health

If you have any questions, contact:
Paul Kalamaras, Engineering Specialist III
Air & Solid Waste Program
Palm Beach County Health Department
800 Clematis St., 4th Floor
West Palm Beach, Florida, 33401
Tel. (561) 837-5946

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this **Air Permit Revision** package was sent by electronic mail, **(with received receipt)** requested before the close of business on the date indicated below to the following persons.

Charles Biondo, Vice President, Workshop Operations
Power Systems Mfg., LLC.
1440 West Indiantown Road
Jupiter, Florida 33458
CHARLES.BIONDO@PSM.ANSALDOENERGIA.COM

In addition, the undersigned duly designated deputy agency clerk hereby certifies that ***copies*** of these documents were sent by electronic email **(with received receipt)** on the same date to the following persons:

Diane Pupa
Southeast District Office, FDEP
3301 Gun Club Road, MSC 7210-1
West Palm Beach, Florida 33406
Diane.Pupa@dep.state.fl.us

Cintya P. Bailey, EHS Program Lead
Power Systems Mfg., LLC
1440 West Indiantown Road
Jupiter, Florida 33458
Cintya.Bailey@psm.ansaldoenergia.com

Jorge Patino, PE II, Supervisor, Air and Solid Waste
Florida Department of Health Palm Beach County
800 Clematis ST, 4th Floor
West Palm Beach, Florida 33401
Jorge.patino@flhealth.gov

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

Paul Kalamerosa
(Clerk)

7/20/17
(Date)

PERMIT HISTORY

07/10/17: Received application for Minor Modification of Permit No. 0990687-003-AO.

FACILITY PROJECT DESCRIPTION

This permitting action is to revise Permit No. 0990687-003-AO to remove 3 redundant scrubber parameters for the Chemical stripping plant equipped with an Alkaline fume Scrubber EU001). The facility has an existing Hydrogen Chloride (HCL) chemical stripper which is used to remove material from gas turbine parts prior to refurbishing.

The existing facility consists of the following emissions units (EU).

EU ID No.	*Status*	*Brief Description*
001	Regulated	Chemical stripping plant equipped with an Alkaline fume Scrubber.
___	Exempt	Hydrofluoric ion Cleaning System with an Alkaline Wet Bed Scrubber
___	Exempt	100 KW and 150 KW Emergency Generator

APPLICABLE REGULATIONS

This facility is located in Palm Beach County, an area designated as "maintenance" for the pollutant ozone and attainment for all other criteria pollutants in accordance with Rule 62-204.340, F.A.C. The facility is not subject to review under Rule 62-212.400 F.A.C., Prevention of Significant Deterioration (PSD), because this new source is considered “minor” for the purpose of PSD regulations (having a potential to emit less than 250 tons per year of pollutant). The facility is subject to the following air pollution control provisions:

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

Regulation	**EU No(s).**
Federal Rule Citations (if applicable)	
40 CFR 63 Subpart ZZZZ	EXEMPT – 100 & 150 KW Emergency Generators
40 CFR 60 Subpart IIII	EXEMPT – 100 & 150 KW Emergency Generators
State Rule Citations	
F.A.C. Chapter 62-4, Permitting Requirements.	EU001
F.A.C. Chapter 62-204, Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference.	EU001
F.A.C. Chapter 62-210, Required Permits, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms.	EU001
F.A.C. Chapter 62-212, General Preconstruction Review Requirements, PSD Requirements.	EU001
F.A.C. Rule 62-296, General Pollutant Emission Limiting Standards.	Facility Wide
F.A.C. Rule 62-297, Test Methods.	EU001
F.A.C. Chapter 62-256, Open Burning and Frost Protection Fires.	Facility Wide

FACILITY REGULATORY CLASSIFICATION

The facility is permitted as a synthetic minor source for Hydrogen Chloride (HCL). Based on the permit application, this facility is not a major source of hazardous air pollutants (HAPs).

- 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 not** a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility **is not** a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Regulating Agencies: All applications, reports, tests, and notifications shall be submitted to the Air and Waste Section of the Florida Department of Health Palm Beach County (Health Department) at P.O. Box 29 (800 Clematis Street, 4th Floor), West Palm Beach, Florida, 33402-0029, and phone number (561) 837-5900. **[Specific Operating Agreement – SOA]**

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Florida Department of Health Palm Beach County (Health Department) at P.O. Box 29 (800 Clematis Street, 4th Floor), West Palm Beach, Florida, 33402-0029, and phone number (561) 837-5900.

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 Testing Conditions); and **Appendix D** (List of Insignificant and Exempt Units).

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: 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. Renewal. Prior to 60 days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to 60 days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the Department. **[Rule 62-4.090, F.A.C.]**

8. Annual Operating Report (AOR): The information required by the Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) District Office or Florida Department of Health Palm Beach County (Health Department). All synthetic non-Title V sources or all facilities with the potential to emit 10 tons/year or more of volatile organic compounds (VOC) or 25 tons/year or more of nitrogen oxides (NO_X) and located in an ozone nonattainment area or ozone air quality maintenance area shall submit a completed DEP Form 62-210.900(5) unless the annual operating report is submitted using the DEP's electronic annual operating report software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C**. [Rule 62-210.370(3), F.A.C.]**

   {Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

EMISSION LIMITING AND PERFORMANCE STANDARDS

9. General VOC Standards: The owner or operator shall not store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents without applying known and existing vapor emission control devices or systems. This includes: **[Rule 62-296.320(1), F.A.C.]**

- Regular inspection and maintenance of piping, valves, flanges, tanks, and containers used for storage and transfer of organic liquids in order to minimize fugitive VOC emissions.
- When not in use, directing solvent-containing materials to containers that prevent evaporation.

10. Objectionable Odors: No person shall 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.]**

    Note: An objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-210.200(200), F.A.C.]

11. General Visible Emissions Standard: Unless otherwise specified by permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new, or existing emissions units, the opacity of which is equal to or greater than 20 percent. **[Rule 62-296.320(4)(b), F.A.C.]**

12. Unconfined Emissions of Particulate Matter: No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following: **[Rule 62-296.320(4)(c), F.A.C.]**

    - Paving and maintenance of roads, parking areas and yards.
    - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
    - Application of asphalt, water, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
    - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
    - Landscaping or planting of vegetation.
    - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
    - Confining abrasive blasting where possible.
    - Enclosure or covering of conveyor systems.

    Note: Facilities that cause frequent, valid complaints will be required by the Health Department to take these or other reasonable precautions. In determining what constitutes reasonable precautions for a particular facility, the Health Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

OPERATION AND MAINTENANCE REQUIREMENTS

13. Circumvention: The owner or operator shall not circumvent air pollution control equipment/methods or allow the emission of air pollutants without the equipment/methods operating properly. **[Rule 62-210.650, F.A.C.]**

14. Excess Emissions Requirements **[Rule 62-210.700, F.A.C.]**

    (a) Excess emissions resulting from start-up, shutdown or malfunction of these emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24 hour period unless specifically authorized by the Health Department for longer duration. **[Rule 62-210.700(1), F.A.C.]**

    (b) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction are prohibited. **[Rule 62-210.700(1), F.A.C.]**

(c) In case of excess emissions resulting from malfunctions, the owner or operator shall notify the Air Pollution Control Section of the Palm Beach County Health Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the problem; and the corrective actions being taken to prevent recurrence. **[Rule 62-210.700(5), F.A.C.]**

COMPLIANCE MONITORING REQUIREMENTS

15. Duration: Unless otherwise specified, all records and reports required by this permit shall be kept for at least 3 years from the date the information was recorded. **[Rule 62-4.160(14)(b), F.A.C.]**

16. Test Procedures shall meet all applicable requirements of the Chapter 62-297, F.A.C. See **Appendix C** of this permit for a summary of these requirements. **[Rule 62-297.100, F.A.C.]**

17. Operational Rate During Testing: Unless otherwise stated in the applicable emission-limiting standard for a rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. **[Rule 62-297.310(2), F.A.C.]**

18. Test Notification: The owner or operator shall notify the Health Department, in writing, at least 15 days prior to the date on which each formal compliance test is to begin, of the test date, the expected test time, the location of the test, the facility contact person responsible for coordinating the test, and the person or company conducting test. The 15 day notification requirement may be waived at the discretion of the Health Department. Likewise, if circumstances prevent testing during the test window specified for the emissions unit, the owner or operator may request an alternate test date before the expiration of this window. **[Rule 62-297.310(9)., F.A.C.]**

19. Special Compliance Tests**:** When the Health Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a DEP rule or permit is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Health Department. **[Rule 62-297.310(8)(c), F.A.C.]**

REPORTS REQUIRED

20. Excess Emissions Report: If excess emissions occur, the owner or operator shall notify the Air Compliance Section of the Health Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Health Department may request a written summary report of the incident. **[Rules 62-4.130 and 62-210.700(5), F.A.C.]**

21. Emission Compliance Test Reports: For each required emissions compliance test, a report indicating the results of the test shall be filed with the Health Department as soon as practical, but no later than 45 days after the last sampling run is completed. The report shall provide sufficient detail on the tested emissions unit and the procedures used to allow the Health Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in **Rule 62-297.310(10)(c), F.A.C.** and summarized in **Appendix C** of this permit**.** Additional report information may be specified for a given group of emissions units in this permit. **[Rule 62-297.310(10)(a), F.A.C.]**

WASTE REQUIREMENTS

22. Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid, and hazardous wastes in accordance with all applicable Federal, State, and Local regulations. This air pollution permit does not preclude the permittee from securing any other types of required permits, licenses, or certifications.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU 001 Chemical Stripper

This section of the permit addresses the following emission unit.

EU ID No	*Status*	*Brief Description*
001	Regulated	**Chemical Stripper (Model No. PT506-49S) operating with an Alkaline Scrubber** The chemical stripper will serve to remove previous metallic coatings on turbine components. This process uses hydrogen chloride (HCl) and caustic soda (NaOH) solutions. The emissions of HCl are controlled by an alkaline scrubber manufactured by DUALL division (or equivalent). The Scrubber fan is rated for a maximum flow of 6000 cfm and the Scrubber has an operating pH limit of > 1. The system recycles NaOH/H2O as scrubbing liquid at a rate designed to provide a Neutralization pH Reading (Discharge Limit) of 5.5 – 9.5.

PERFORMANCE RESTRICTIONS

1. Methods of Operation: The permittee shall not allow, cause, suffer or permit any change in the method(s) of operation resulting in increased emissions, without prior authorization from the Permitting Authority.
   [Permit No. 0990687-001-AC]

2. Permitted Capacity. The permittee shall not allow, cause, suffer or permit the operation of the emission unit in excess of the following without prior authorization from the Permitting Authority:

   - Four (4) HCl tanks with a surface area of 16.11 ft^2 (each).

   [Permit No. 0990687-001-AC]

   {Permitting Note: Based on the number & size of the tanks and 8760 hrs of operation per year, the estimated uncontrolled emissions of HCL are 19.4 tons per year. The estimated controlled emissions of HCl are 0.194 tons per year based on the 99% control efficiency.}

3. Hours of Operation: The emission unit is allowed to operate continuously.
   [Permit No. 0990687-001-AC]

COMPLIANCE MONITORING

4. Stripping operations: The owner or operator shall operate the stripping plant as per the manufacturer's specifications. The operation plan of the plant and the scrubber shall be available to operators at all times. **[Permit No. 0990687-001-AC]**

5. Alkaline Scrubber: The owner or operator shall operate the alkaline scrubber according to the manufacturer's specification in order to achieve the design control efficiency. **[Permit No. 0990687-001-AC]**

6. Operation and Maintenance Plan (O&M plan): The permittee shall maintain an O&M plan that shall be available for operators. The plan shall include a schedule for the maintenance and inspection of the scrubber and schedule for recording performance parameters of the scrubber. The records of inspection, maintenance and performance data of the scrubber shall be retained by the permittee for a minimum of three years and shall be made available to the Health Department upon request.
   [Permit No. 0990687-001-AC]

   The performance parameters shall include, but may not be limited to the following indicators:

   - Scrubber pH reading (Operating Limit >1)
   - Neutralization pH Reading (Discharge Limit 5.5 – 9.5)
   - Recycle Pump Discharge Pressure (lb/in^2) (Operating Limit 18 PSI +/- 2 psi)
   - Make-Up rate (gal/hr) (Operating Limit 16 - 28)
   - Packed Bed Differential Pressure ("W.C.) (Operating Limit 2.5 +10%)

- Mist Eliminator Differential Pressure ("W.C.) (Operating Limit 3 + 10%)

[Permit No. 0990687-001-AC, and Rule 62-4.070(3), F.A.C.]

{Permit Revision Note: For the removal of Air Flow Rate: Once the baseline has been established the air flow rate will not change if the packed bed differential pressure readings do not change. For the Removal of NaOA usage: The feed system keeps the scrubber pH level as desired conditions, consequently if the scrubber pH is adequate than the NaOH feed rate is adequate. For the removal of HCl usage: The HCl feed system keeps the scrubber pH level at the desired conditions, consequently if the scrubber pH is adequate than the HCl feed rate is adequate.}

7. Control Equipment Data: The O&M Plan shall include the identification of the scrubber including, but not limited to the following design specifications:
   - Manufacturer
   - Model name and number
   - Design flow rate (liquid and/or gas)
   - Efficiency rating at design capacity
   - Pressure drop
   - Scrubbing liquor composition.

   [Permit No. 0990687-001-AC]

REPORTING AND RECORDKEEPING REQUIREMENTS

8. Record Keeping Requirements: The facility shall keep records of the following and shall make them available to the Health Department upon request.
   - Daily operating hours of the emissions unit
   - Inspection records of the emissions unit and scrubber
   - Details of the scrubber maintenance

   [Permit No. 0990687-001-AC]

B. EXEMPT Hydrofluoric Acid

This section of the permit addresses the following emission unit.

Status	Brief Description
EXEMPT	**Hydrofluoric Acid - HF Cleaning System** Complete Hydrofluoric Acid Cleaning System which will be used for parts cleaning. This entire process uses Alkaline Wet Packed bed scrubber. Room equipped with Ammonia neutralization system. The HF emissions are controlled by an Alkaline wet packed bed scrubber. The total process flow rate is 1060 ft^3/hr at standard atmospheric temperature and pressure. The scrubber efficiency is 99.995%.

PERFORMANCE RESTRICTIONS

1. Permitted Capacity. The permittee shall not allow, cause, suffer or permit the operation of the emission unit in excess of the following without prior authorization from the Permitting Authority:

   - One (1) HF tank with a Retort Diameter of 50 inches and Hot Zone Height of 40 inches, overall insight height of 60 inches.

   {Permitting Note: The HF process is a complete system with the scrubber assuming 8760 hours of operation per year the estimated controlled emissions of HCL is 0.00015 tons per year based on the 99.995% control efficiency.
   The scrubber is an integral part of the design and in the event of a failure of the scrubber or a HF leak, the system will automatically shutdown scrubber and stop the HF flowing to the scrubber.}

2. Hours of Operation: The emission unit is allowed to operate continuously.
   [**Rule 62-4.070(3), F.A.C.]**

COMPLIANCE MONITORING

3. Hydrogen Fluoride cleaning operations: The owner or operator shall operate the alkaline scrubber as per the manufacturer's specifications. The operation plan of the plant and the scrubber shall be available to operators at all times.
   [**Rule 62-4.070(3), F.A.C.]**

REPORTING AND RECORDKEEPING REQUIREMENTS

4. Record Keeping Requirements: The facility shall keep records of the following and shall make them available to the Health Department upon request.

   - Daily operating hours of the emissions unit
   - Inspection records of the emissions unit and scrubber
   - Total quantity of acid used in the system
     Details of the scrubber maintenance

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

C. EXEMPT Emergency Generators

This section of the permit addresses the following emission unit.

STATUS	*BRIEF DESCRIPTION*
EXEMPT	- 150kw Emergency Generator - 100kw Emergency Generator

The 150 KW and 100 KW Emergency Generator for the facility are designated as existing engines under 40 CFR Part 63 Subpart ZZZZ.

1. NESHAP Subpart ZZZZ: The generators at the facility are subject to the applicable Requirements of 40 CFR Part 63 Subpart ZZZZ 'National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines' (RICE) Regulations. The facility shall comply with Subpart ZZZZ. **[40 CFR 63 Subpart ZZZZ]**

2. NSPS Subpart IIII: New generators with displacement of less than 30 liters per cylinder that were manufactured in 2007 or later are subject to 40 CFR Part 60, Subpart IIII – 'Standards of Performance for Stationary Compression Ignition Internal Combustion Engines'. **[40 CFR 60 Subpart IIII]**

3. Fuel Usage: The facility shall comply with the following usage limits in order to maintain the permit exemption status for the emission sources. **[Rules 62-4.070(3), and 62-210.300, F.A.C.]**
   (a) Emergency Generators: Total fuel by all generators shall not exceed 5,400 gallons of gasoline, 64,000 gallons of diesel fuel, 288,000 gallons of propane, or 8.8 million standard cubic feet of natural gas. **[Rule 62-210.300(3)(a)35 & 36 F.A.C.]**
   (b) Emergency Generators: Beginning October 1, 2010, owners and operators of stationary CI ICE subject to 40 CFR Part 63 Subpart ZZZZ with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b), non-road ultra-low sulfur diesel fuel. **[Rule 40 CFR 60.4207(b)]**
   (c) The permittee is authorized to use only diesel fuel that meets the following requirements of 40 CFR 80.510(b). **[40 CFR 63.6604]**
   (1) Maximum Sulfur content of 15 ppm.
   (2) Cetane index or aromatic content, as follows:
   (i) A minimum cetane index of 40; or
   (ii) A maximum aromatic content of 35 volume percent.

4. Operating Requirements for the Generators**:** The generators must meet the following requirements, except during periods of startup. **[40 CFR 63.6603(a) and Table 2d of Subpart ZZZZ]**
   (a) Change oil and filter every 500 hours of operation or annually, whichever comes first[1];
   (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
   (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   {[1] *Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement.*
   (d) During periods of startup the facility must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. **[40 CFR 63.6625(h)]**

   {*Note: If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirem*ents in **Specific Condition 5.** of this subsection, or if *performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The best management practices should be performed as soon as practicable after the*

emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.}

5. Monitoring Requirements for emergency generators: The owner or operator shall develop the operating and maintenance logs and records and shall comply with the requirements as prescribed below.

(a) The facility must comply with emission limitations and operating limitations, and must operate and maintain the emergency generators and fire pump engines, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction. **[40 CFR 63.6605(b)]**

(b) The facility must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. **[40 CFR 63.6625(e) and Rule 40 CFR 60.4211(a)]**

(c) The emergency stationary RICE with a site rating [maximum manufacturer's design capacity at engine site conditions] of less than or equal to 500 brake HP **shall be installed with a non-resettable hour meter if one is not already installed.** **[Rule 40 CFR 63.6625(f) and Rule 40 CFR 60.4209(a)]**

6. Records: The permittee shall maintain records of the following:

(a) Emergency Generators: The permittee shall maintain sufficient documentation to demonstrate compliance with the fuel usage limit according to **Specific Conditions 3.** of this subsection.

(b) Records of the occurrence and duration of each malfunction of operation (*i.e.,* process equipment) or the air pollution control and monitoring equipment. **[40 CFR 63.6655(a)(2)]**

(c) Records of all required maintenance performed on the air pollution control and monitoring equipment. **[40 CFR 63.6655(a)(4)]**

The permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to facility's maintenance plan. **[40 CFR 63.6655(e)]**

SECTION 4. APPENDICES

Contents

APPENDIX	DESCRIPTION
A	Citation Formats and Glossary of Common Terms
B	General Conditions
C	Common Testing Requirements
D	List of Insignificant and Exempt Units

Citation Formats and Glossary of Common Terms

CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: "AC" identifies the permit as an Air Construction Permit
"AO" identifies the permit as an Air Operation Permit
"123456" identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: "099" represents the specific county ID number in which the project is located

"2222" represents the specific facility ID number for that county

"001" identifies the specific permit project number

"AC" identifies the permit as an air construction permit

"AF" identifies the permit as a minor source federally enforceable state operation permit

"AO" identifies the permit as a minor source air operation permit

"AV" identifies the permit as a major Title V air operation permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

"FL" means that the permit was issued by the State of Florida

"317" identifies the specific permit project number

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CRF 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

µg: microgram

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (Department's database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

Citation Formats and Glossary of Common Terms

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO_2: carbon dioxide

COMS: continuous opacity monitoring system

DARM: Division of Air Resource Management

DEP: Department of Environmental Protection

Department: Department of Environmental Protection

dscf: dry standard cubic feet

dscfm: dry standard cubic feet per minute

EPA: Environmental Protection Agency

ESP: electrostatic precipitator (control system for reducing particulate matter)

EU: emissions unit

F: fluoride

F.A.C.: Florida Administrative Code

F.A.W.: Florida Administrative Weekly

F.D.: forced draft

F.S.: Florida Statutes

FGD: flue gas desulfurization

FGR: flue gas recirculation

ft^2: square feet

ft^3: cubic feet

gpm: gallons per minute

gr: grains

HAP: hazardous air pollutant

Hg: mercury

I.D.: induced draft

ID: identification

kPa: kilopascals

lb: pound

MACT: maximum achievable control technology

MMBtu: million British thermal units

MSDS: material safety data sheets

MW: megawatt

NESHAP: National Emissions Standards for Hazardous Air Pollutants

NO_X: nitrogen oxides

NSPS: New Source Performance Standards

O&M: operation and maintenance

O_2: oxygen

Pb: lead

PM: particulate matter

PM_{10}: particulate matter with a mean aerodynamic diameter of 10 microns or less

ppm: parts per million

ppmv: parts per million by volume

ppmvd: parts per million by volume, dry basis

QA: quality assurance

QC: quality control

PSD: prevention of significant deterioration

psi: pounds per square inch

PTE: potential to emit

RACT: reasonably available control technology

RATA: relative accuracy test audit

RBLC: EPA's RACT/BACT/LAER Clearinghouse

SAM: sulfuric acid mist

scf: standard cubic feet

scfm: standard cubic feet per minute

SIC: standard industrial classification code

SIP: State Implementation Plan

SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

SO_2: sulfur dioxide

TPD: tons/day

TPH: tons per hour

TPY: tons per year

TRS: total reduced sulfur

UTM: Universal Transverse Mercator coordinate system

VE: visible emissions

VOC: volatile organic compounds

General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

    a. Have access to and copy any records that must be kept under conditions of the permit;

    b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

    c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

    a. A description of and cause of noncompliance; and

    b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such

evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

    a. Determination of Best Available Control Technology (not applicable for small boiler BACT);

    b. Determination of Prevention of Significant Deterioration (not applicable); and

    c. Compliance with New Source Performance Standards (not applicable).

14. The permittee shall comply with the following:

    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

    c. Records of monitoring information shall include:

        (1) The date, exact place, and time of sampling or measurements;

        (2) The person responsible for performing the sampling or measurements;

        (3) The dates analyses were performed;

        (4) The person responsible for performing the analyses;

        (5) The analytical techniques or methods used;

        (6) The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

EMISSIONS TESTING REQUIREMENTS

1. Applicability: Unless otherwise stated in a specific rule, permit, or other order, the general requirements set forth in subsections 62-297.310(2) through (10), F.A.C., shall be used for regulated stationary sources' emissions tests for comparison with air pollution emission-limiting standards that are enforceable under state law. An emissions test is an emissions rate test, a concentration test, or an opacity test. [Rule 62-297.310(1), F.A.C.]

2. Required Number of Test Runs: For emission rate or concentration limitations, an emissions test shall consist of three valid test runs to determine the total air pollutant emission rate or concentration through the test section of the stack or duct. A valid test run is a test run that meets all requirements of the applicable test method. An emissions test shall also consist of three distinct determinations of any applicable process parameters corresponding to the three distinct test run time periods during which the emission rate or concentration was measured when such data are needed in conjunction with emissions data to compare the emissions test results with the applicable emission limiting standards. Such data shall be obtained pursuant to subsection 62-297.310(6), F.A.C. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, results of the two valid runs shall be accepted, provided that the arithmetic mean of the results of the two valid runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(2), F.A.C.]

3. Operating Conditions during Emissions Testing: Testing of emissions shall be conducted with the emissions unit operating at the testing capacity as defined below. If it is impracticable to test at the testing capacity, an emissions unit may be tested at less than the testing capacity. If an emissions unit is tested at less than the testing capacity, another emissions test shall be conducted and completed no later than 60 days after the emissions unit operation exceeds 110% of the capacity at which its most recent emissions test was conducted. Testing capacity is defined as at least 90% of the maximum operation rate specified by the permit. [Rule 62-297.310(3), F.A.C.]

4. Calculation of Emission Rate or Concentration: The emission rate or concentration used for comparison with the relevant standard shall be the arithmetic average of the emission rate or concentration determined by each of the three valid test runs unless otherwise specified in an applicable rule or test method. Data collected during periods of soot blowing shall not be excluded from any calculation of emission rate or concentration. [Rule 62-297.310(4), F.A.C.]

5. Required Sampling Times and Observation Periods: Unless otherwise specified in an applicable test method, rule, permit, or other order, the owner or operator shall conduct emissions tests in accordance with the following procedures:

   a. *Emission Rate or Concentration Tests.* The required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes, except that for operations that are typically completed within less than the minimum required sampling time, the duration of each test run shall include each occurrence of the operation during the minimum required sampling time. The test period shall include the period of typical operation during which the highest representative emissions are expected to occur.

   b. *Opacity Tests.* When EPA Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a visible emissions test shall be 60 minutes for emissions units that are subject to a multiple-valued opacity standard, and 30 minutes for all other emissions units, except that for batch, cyclical processes, or other operations that are typically completed within less than the minimum observation period, the period of observation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

   [Rule 62-297.310(5), F.A.C.]

6. Determination of Process Parameters:

   a. *Required Process Equipment*. The owner or operator of an emissions unit for which emissions tests are required shall install, operate, and maintain equipment or instruments necessary to determine process parameters, when such data are needed in conjunction with emissions data to compare emissions test results with applicable

emission limiting standards.

b. *Accuracy of Process Measurement Equipment*. Equipment or instruments used to directly or indirectly determine process parameters shall be calibrated and adjusted so as to determine the value of the process parameter to within 10% of its true value.

[Rule 62-297.310(6), F.A.C.]

7. Required Emissions Testing Facilities:

a. The owner or operator of an emissions unit, for which an emissions test other than a visible emissions test is required, shall provide emissions testing facilities that meet the requirements of 40 CFR 60.8(e), adopted and incorporated in Rule 62-204.800, F.A.C.

b. *Permanent Emissions Testing Facilities.* The owner or operator of an emissions unit, for which an emissions test other than a visible emissions test is required on at least an annual basis, shall install and maintain permanent emissions testing facilities.

c. *Temporary Emissions Testing Facilities.* The owner or operator of an emissions unit that is not required to conduct an emissions test on at least an annual basis may use permanent or temporary emissions testing facilities. If the owner or operator chooses to use temporary emissions testing facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

[Rule 62-297.310(7), F.A.C.]

8. Frequency of Emissions Tests: The following provisions apply only to those emissions units that are subject to an emissions-limiting standard for which emissions testing is required.

a. *Annual Emissions Tests Required.*

(1) Where used in Rules 62-210.310, 62-297.310, or Chapter 62-296, F.A.C., to refer to frequency of required emissions tests, the terms “annual,” “annually,” and “annually thereafter” shall mean no less frequently than once every calendar year (January 1 – December 31).

(2) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually for each of the following pollutants that has an emissions-limiting standard for which emissions testing is required:

(a) Each hazardous air pollutant regulated by 40 CFR Part 61, adopted and incorporated by reference at Rule 62-204.800, F.A.C.; and

(b) Any other regulated air pollutant, as defined at Rule 62-210.200, F.A.C., or a pollutant designated as a surrogate to a regulated air pollutant by an applicable rule or order, if allowable emissions equal or exceed 100 tons per year.

(3) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually for visible emissions, if there is an applicable standard other than the general opacity standard of subparagraph 62-296.320(4)(b)1., F.A.C.

(4) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually if a rule, permit or other order issued after March 9, 2015, requires an initial emissions test but is silent as to the frequency of additional testing. A rule, permit, or other order that states that no further testing is required after an initial test, or which expressly lists or describes the tests that shall be conducted annually, is not considered silent as to the frequency of additional testing. Annual testing is not required where a permit or other order issued prior to March 9, 2015, is silent as to the frequency of additional testing.

(5) Exemptions from subparagraphs 62-297.310(8)(a)2., 3., and 4., F.A.C.

(a) An annual emissions test shall not be required for any pollutant for which a rule, permit, or other order

requires emissions testing at some other specific frequency. If multiple applicable rules, permits, or other orders, other than subparagraphs 62-297.310(8)(a)2., 3., and 4., F.A.C., require different testing frequencies, testing must comply with the frequency requirements of each such rule, permit, or order.

(b) An annual emissions test shall not be required for any pollutant for which a rule, permit, or other order requires that the pollutant emissions be measured by a continuous emission monitoring system and, either that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., or that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 75, adopted and incorporated in Rule 62-204.800, F.A.C.

(c) An annual emissions test shall not be required for visible emissions for which a rule, permit, or other order requires that emissions be measured by a continuous opacity monitoring system, and that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., and the manufacturer's recommended quality assurance and quality control measures.

(d) An annual emissions test shall not be required for any emissions unit that operated for 400 hours or less (including during startup and shutdown) during the calendar year. If an emission unit operates for more than 400 hours during the calendar year, an emissions test shall be completed no later than 60 days after the emissions unit's annual operation exceeds 400 hours, or by the end of the calendar year, whichever is later.

(e) An annual emissions test shall not be required for any emissions unit with emissions generated solely from the combustion of fuel, provided that the emissions unit does not burn any liquid fuel or solid fuel or fuel blend for more than 400 hours combined, other than during startup, during the calendar year. If an emissions unit's liquid fuel or solid fuel or fuel blend burning exceeds 400 hours combined during the calendar year, other than during startup, an emissions test shall be completed no later than 60 days after the emissions unit's liquid fuel or solid fuel or fuel blend burning exceeds 400 hours combined, or by the end of the calendar year, whichever is later.

(f) An annual emissions test shall not be required for each fuel-specific emissions limit, provided the fuel or fuel blend subject to a fuel-specific limit was not burned for more than 400 hours, other than during startup, during the calendar year. If an emissions unit burns a fuel or fuel blend subject to a fuel-specific emission limit for more than 400 hours, other than during startup, during the calendar year, an emissions test for that fuel or fuel blend shall be completed no later than 60 days after the unit's burning of that fuel or fuel blend exceeds 400 hours, or by the end of the calendar year, whichever is later.

(g) An emissions unit shall not be required to start up for the sole purpose of conducting an emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after the emissions unit next starts up.

(h) An emissions unit permitted to burn multiple fuels or fuel blends shall not be required to switch fuels for the sole purpose of conducting an annual emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after a switch is made to burn the fuel or fuel blend for which testing is required.

(i) An annual emissions test for visible emissions shall not be required for emissions units exempted from air permitting pursuant to paragraphs 62-210.300(3)(a) or (b), F.A.C.; emissions units determined to be insignificant pursuant to paragraph 62-213.430(6)(b), F.A.C.; or emissions units authorized pursuant to the general permit provisions in subsection 62-210.300(4), F.A.C., unless the general permit specifically requires such testing.

b. *Emissions Tests Prior to Obtaining an Air Operation Permit.*

(1) Unless exempted by subparagraph 62-297.310(8)(b)3., F.A.C., prior to obtaining an initial or renewal air operation permit for any emissions unit that is subject to any emission-limiting standard, the owner or operator shall have an emissions test conducted for each such standard to assist in providing reasonable

assurance, per Rule 62-4.070, F.A.C., that the emission-limiting standard can be met and shall submit the test report as specified in subsection 62-297.310(10), F.A.C. For an emissions unit at a Title V source, such prior emissions testing is not required provided that an emissions testing compliance plan is included in the Title V permit.

(2) For the purpose of renewal of an air operation permit, the owner or operator may satisfy the requirements of subparagraph 62-297.310(8)(b)1., F.A.C., for any emissions unit by submitting the most recent emissions test, as specified in subsection 62-297.310(10), F.A.C., provided such test occurred within the term of the current operating permit.

(3) Exemptions from subparagraph 62-297.310(8)(b)1., F.A.C.

(a) An emissions test shall not be required for any pollutant for which a rule, permit, or other order requires that the emissions be measured by a continuous emission monitoring system and, either that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., or that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 75, adopted and incorporated in Rule 62-204.800, F.A.C.

(b) An emissions test shall not be required for visible emissions for which a rule, permit, or other order requires that emissions be measured by a continuous opacity monitoring system, and that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., and the manufacturer's recommended quality assurance and quality control measures.

(c) For the purpose of renewal of an air operation permit, an emissions test shall not be required for any emissions unit that, in the previous five-year period of permitted operation, operated for 400 hours or less (including during startup and shutdown) during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently exceeds 400 hours of operation during a calendar year, emissions must be tested no later than 60 days after 400 hours of operation is exceeded in that calendar year, or by the end of that calendar year, whichever is later.

(d) For the purpose of renewal of an air operation permit, an emissions test shall not be required for any emissions unit with emissions generated solely from the combustion of fuel provided that, in the previous five-year period of permitted operation, the emissions unit did not burn any liquid fuel or solid fuel or fuel blend for more than 400 hours combined, other than during startup, during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently burns any liquid fuel or solid fuel or fuel blend for more than 400 hours combined during a calendar year, emissions must be tested no later than 60 days after the emissions unit's combined burning of any liquid fuel or solid fuel or fuel blend exceeds 400 hours in that calendar year, or by the end of that calendar year, whichever is later.

(e) An emissions test shall not be required for each fuel-specific emissions limit prior to the renewal of an air operation permit for an emissions unit provided that, in the previous five-year period of permitted operation, the fuel or fuel blend subject to a fuel-specific limit was not burned for more than 400 hours, other than during startup, during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently burns a fuel or fuel blend subject to a fuel-specific emission limit for more than 400 hours, other than during startup, during any calendar year, an emissions test for that fuel or fuel blend must be completed no later than 60 days after the emissions unit's burning of that fuel or fuel blend exceeds 400 hours in that calendar year, or by the end of that calendar year, whichever is later.

(f) An emissions unit shall not be required to start up for the sole purpose of conducting an emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after the emissions unit starts up.

(g) An emissions unit permitted to burn multiple fuels or fuel blends shall not be required to switch fuels for

the sole purpose of conducting the emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after a switch is made to burn the fuel or fuel blend for which testing is required.

(h) An emissions test for visible emissions shall not be required for emissions units exempted from air permitting pursuant to paragraphs 62-210.300(3)(a) or (b), F.A.C.; emissions units determined to be insignificant pursuant to paragraph 62-213.430(6)(b), F.A.C.; or emissions units authorized pursuant to the general permit provisions in subsection 62-210.300(4), F.A.C., unless the general permit specifically requires such testing.

c. *Special Compliance Tests.* When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit, unless the Department obtains other information sufficient to demonstrate compliance. The owner or operator of the emissions unit shall provide a report on the results of said tests to the Department in accordance with the provisions of subsection 62-297.310(10), F.A.C.

[Rule 62-297.310(8), F.A.C.]

9. Scheduling and Notification: At least 15 days prior to the date on which each required emissions test is to begin, the owner or operator shall notify the air compliance program identified by permit, unless shorter notice is agreed to by the appropriate air compliance program. The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the appropriate air compliance program a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the appropriate air compliance program by mutual agreement. [Rule 62-297.310(9), F.A.C.]

REPORTS

10. Test Reports:

a. The owner or owner's authorized agent of an emissions unit for which an emissions test is required shall submit a written test report to the compliance authority specified by permit, on the results of each such test as soon as practicable but no later than 45 days after the last run of each test is completed. Test reports may be submitted electronically.

b. If the owner or owner's authorized agent of an emissions unit for which an emissions test is required submits the results of each such test electronically using the EPA Electronic Reporting Tool (ERT), the written report specified in paragraph 62-297.310(10)(a), F.A.C., need not be submitted, provided the conditions of subparagraphs 62-297.310(10)(b)1. through 3., F.A.C., are met:

(1) The owner or owner's authorized agent shall submit the test information using the ERT as soon as practicable but no later than 45 days after the last run of each test is completed;

(2) The test information shall provide, as a minimum, the information specified in subparagraphs 62-297.310(10)(c)1. through 24., F.A.C.; and

(3) The compliance authority specified by permit must receive written notification, no later than 45 days after the last run of each test is completed, of the date that the test data was submitted using the ERT.

c. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA Method 9 test, shall provide the following information.

(1) The type, location, and identification number of the emissions unit tested.

(2) The facility at which the emissions unit is located.

(3) The owner and, if other than the owner, operator of the emissions unit.

(4) The type and amount of fuels and materials typically used and processed, and the actual types and amounts of fuels used and material processed during each test run.

(5) If necessary in order to compare the emissions test results with an applicable emission limiting standard, the means, raw data, and computations used to determine the amount of fuels used and materials processed.

(6) The type of air pollution control devices installed on the emissions unit, their general condition, their typical operating parameters, and their actual operating parameters during each test run.

(7) A diagram of the sampling location, including the distance to any upstream and downstream bends or other flow disturbances.

(8) The date, starting time, and duration of each sampling run.

(9) The test procedures, including any authorized alternative procedures, used.

(10) The number of points sampled, and the configuration and location of the sampling plane.

(11) For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack or duct, temperatures, average meter temperatures, and sample time per point.

(12) The type, manufacturer, and configuration of the sampling equipment used.

(13) Data related to the required calibration of the test equipment.

(14) Data on the identification, processing, and weights of all filters used.

(15) Data on the types and amounts of any chemical solutions used.

(16) For each sampling run, data on the amount of pollutant collected from each sampling probe.

(17) For each sampling run, data on the amount of pollutant collected from the filters.

(18) For each sampling run, data on the amount of pollutant collected from the impingers.

(19) The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.

(20) All measured and calculated data required to be determined by each applicable test procedure for each run.

(21) The detailed calculations for one run that relate the collected data to the calculated emission rate or concentration, as applicable.

(22) The applicable emission standard, and the resulting maximum allowable emission rate or concentration for the emissions unit, as applicable, plus the test result in the same form and unit of measure.

(23) When an emissions test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or owner's authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his or her knowledge.

(24) For non-Title V sources, a certification by the owner or owner's authorized agent that, to his or her knowledge, all data submitted are true and correct.

(25) Any report submitted for a Title V source shall contain certification by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[Rule 62-297.310(10), F.A.C.]

EXEMPT/INSIGNIFICANT ***Miscellaneous operations and activities***	
~~- Parts Cleaner/Aqueous Chemical Stripping~~ - High Velocity Oxy gen Fuel (HVOF) coating booth/Plasma metal parts coating - Electric Plasma (EPS) Coating Booth/Plasma metal parts coating - Braze Room(s)/parts cleaning - Heat Treatment Oven(s)/parts heat treating - Ultrasonic cleaning line dryer section/parts cleaning - Industrial Aqueous Parts Washer/parts cleaning - RECO Area Grinding side/metal inert gas (MIG) parts welding - Parts Benching belting and grinding operations - Grit Blasting room, booths and Blast Cabinet/abrasive parts blasting - Graysone Robotic Grit Blaster/robotic abrasive blaster - Lance Walk-in Blast booth/abrasive parts blasting - MET Lab hood and cut off saw/parts testing, and inspection - Main MET Lab Hoods and polisher/parts testing and inspection - Clemco blast cabinet/abrasive parts and blasting - Selective laser melting (SLM) machine/parts and welding repair. - SLM Benchtron/parts grinding and belting operations - Downdraft Table FS/MIG welding parts. - Empire Walk-in Blast booth/abrasive parts and blasting	- Clemco Blast Cabinet/abrasive parts blasting - RECO #1 & 2/parts and grinding and belting operations - Hoffmann Grinder with Torit/parts grinding - Coating Area A & B/parts benching, grinding and belting operations - Heat treatment oven(s)/parts heat treating (Beavermatic) - Trinco blast cabinet/abrasive parts blasting - FPI Inspection Booth(s) man cooler fan exhaust/parts inspection - Vacuum Pump Exhaust #SF73 small 3” PVC/parts heat treating - Vacuum Pump Exhaust #SF103 small 3” PVC/parts heat treating - Blast Cabinet/abrasive parts blasting - RECO area(s) machine shop side/metal inert gas (MIG) parts welding - RECO FPI line dryer/parts inspection - FPI Spray booths/parts inspection - FSS Welding area(s)/MIG welding parts. - Airfoils area/parts benching and grinding - Compressed air chamber/parts testing - Benching/parts grinding and belting operations - FPI Inspection Booth(s) man cooler fan exhaust (B) &(C)/parts inspection - Compressed air/ R&D flow room/parts testing - Acetone/Laser R&D laboratory/parts testing - Miscellaneous tanks - Fuel Storage Tanks for Generators