



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

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SECRETARY

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE:

White Springs Agricultural Chemicals, Inc.
P.O. Box 300
White Springs, FL 32096

Air Permit No.: 0470002-082-AC

Issuance Date:
Expiration Date:

Authorized Representative:

Mr. Terry L. Baker, General Manager

Suwannee River/Swift Creek Complex
Air Construction Permit

This is the final air construction permit, which authorizes the use of a rental steam generating boiler with a design capacity of up to 155 MMBtu per hour maximum. The boiler will be fired by either Natural Gas (NG) or Low sulfur diesel with a maximum sulfur content of 0.05 percent by weight. The rental unit will be brought onsite and operated during periods of emergency unplanned loss in steam production from any of the existing steam generating boilers, EU Nos. 039, 040, and 068 (C Auxiliary Boiler, D Auxiliary Boiler, and E Auxiliary Boiler, respectively). The emergency unit will be located onsite and used for no more than **180 consecutive days in a given year**.

The proposed work will be conducted at the Suwannee River/Swift Creek Complex, which is a phosphate mining and chemical production facility (Standard Industrial Classification No. 2874). The facility is located in Hamilton County at 15843 SE 78th Street, White Springs, Florida. The UTM coordinates are Zone 17, 328.3 km East and 3368.8 km North; and, Latitude: 30° 26' 27" North and Longitude: 82° 47' 16" West.

This final permit is organized by the following sections.

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Prevention of Significant Deterioration Requirements
- Section 5. 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.

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

AIR CONSTRUCTION PERMIT

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

Executed in Jacksonville, Florida

Draft

Khalid AlNahdy, P. E.
District Air Program Administrator

Date

CERTIFICATE OF SERVICE

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

Mr. Terry L. Baker, White Springs Agricultural Chemicals, Inc.: TBaker@pcsphosphate.com
Mr. Bill Ellis, White Springs Agricultural Chemicals, Inc.: WJEllis@pcsphosphate.com
Mr. John B. Koogler, P.E., Koogler and Associates, Inc.: jkoogler@kooglerassociates.com
Mr. Pradeep Raval, Koogler and Associates, Inc: praval@kooglerassociates.com

Clerk Stamp
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.

Draft

(Clerk)

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

Existing Facility

This facility processes phosphate rock to produce several products at the Suwannee River/Swift Creek Complex (two plants). The facility consists of one rock grinder, two phosphoric acid plants, two defluorinated phosphate (DFP) plants, one monocal/dical process, two monoammonium/diammonium phosphate (MAP/DAP) plants, one Storage and Shipping building, one screening/shipping building, four sulfuric acid plants, two phosphoric acid filters, three superphosphoric acid plants, one green superphosphoric plant, the Swift Creek Mine (SCM) rock dryer, and one acid clarification plant. The facility also has storage silos associated with the Swift Creek Mine and the DFP plant.

The existing facility consists of the following emissions units:

Facility ID No. 0470002			
ID No.	Emission Unit Description	ID No.	Emission Unit Description
-001	#2 Phosphate Rock Grinder	-040	"D" Auxiliary Boiler
-003	"A" Defluorinated Phosphate (DFP) Plant	-042	Defluorinated Phosphate (DFP) Feed Prep
-004	X-Train (Dical process)	-044	"A" and "B" DFP Coolers
-008	"Y" Train-#1 Diammonium Phosphate (DAP) Plant	-054	Molten Sulfur System
-010	#1 Monoammonium (MAP)/DAP Storage Building	-061	Green Superphosphoric Acid Plant
-015	MAP/DAP Shipping and Screening Facility	-062	Defluorinated Phosphate (DFP) Silos
-020	"B" Phosphoric Acid Plant	-064	Swift Creek Mine (SCM) Rock Dryer
-021	"C" Sulfuric Acid Plant	-065	Swift Creek Mine Silos Mineral Storage and Conveyor System
-022	"D" Sulfuric Acid Plant	-066	"E" Sulfuric Acid Plant
-032	Z-Train (#2 DAP)	-067	"F" Sulfuric Acid Plant
-034	South Phosphoric Acid Filters	-068	"E" Auxiliary Boiler
-035	North Phosphoric Acid Filters	-069	"D" Phosphoric Acid Plant
-036	"A" and "B" Superphosphoric Acid Plants	-070	"C" and "D" Superphosphoric Acid Plants
-038	"B" Defluorinated Phosphate (DFP) Plant	-071	Acid Clarification Plant
-039	"C" Auxiliary Boiler	-072	Molten Sulfur System

Proposed Project

This air construction permit authorizes use of a rental steam generating boiler with a design capacity of up to 155 MMBtu per hour maximum. The boiler will be fired by either Natural Gas (NG) or Low sulfur diesel with a maximum sulfur content of 0.05 percent by weight. The emergency rental unit will be brought onsite and operated during periods of unplanned loss in steam production from any of the existing steam generating boilers, EU Nos. 039, 040, and 068 (C Auxiliary Boiler, D Auxiliary Boiler, and E Auxiliary Boiler respectively). The emergency unit will be located onsite and used for no more than **180 consecutive days in a given year.**

SECTION 1. GENERAL INFORMATION

This project will add or modify the following emissions unit(s):

Facility ID No. 0470002	
ID No.	Emission Unit Description
-077	Up to 155 MMBtu/hr rental, steam generating unit for emergency use during the loss of steam production from either of the C, D, or E Auxiliary Boilers.

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Air Resources Section, Florida Department of Environmental Protection (Department). The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District Office. The Permitting Authority's telephone number is 904/256-1700.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office. The mailing address and phone number of the District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is (904) 256-1700.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions
 - d. Appendix D. Common Testing Requirements
 - e. Appendix BACT
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1) (a), F.A.C.]
7. Source Obligation:
 - a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

- b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

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

[Rules 62-4.030, 62-4.050, 62-4.220 and Chapter 62-213, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

This section of the permit addresses the following emissions unit:

ID No.	Emission Unit Description
-077	Up to 155 MMBtu/hr rental, steam generating unit for emergency use during loss of steam production of either of the C, D, or E Auxiliary Boilers. The Boiler shall be fired by NG or low sulfur diesel (0.05% by weight sulfur content).

{Permitting note: This emissions unit is regulated under Rule 62-296.406, F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per Hour Heat Input, New and Existing Emissions Units; Best Available Control Technology (BACT) Determination dated 01/31/2013.

EQUIPMENT

A.1. Equipment: The permittee is authorized to bring onsite a rental, steam generating unit for emergency use during the unplanned loss in steam production from any of the existing C, D or E Auxiliary Boilers.

[Application No. 0470002-082-AC]

A.2. Fuel Flow Meters: The permittee shall install, operate and maintain equipment to continuously monitor and record the flow rates of both natural gas and low sulfur No. 2 fuel oil (e.g. flow meters with integrators) for the steam generating unit and replacement(s). The equipment shall be installed and properly functioning prior to startup of the unit.

[Rule 62-4.070, F.A.C.]

FEDERAL REGULATION APPLICABILITY

A.3. NSPS, 40 CFR 60 Subpart Db Applicability: The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/hr)).

The steam generating unit is not subject to this subpart as the unit is authorized to only to operate onsite as a temporary boiler.

Temporary boiler means any gaseous or liquid fuel-fired steam generating unit that is designed to, and is capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. A steam generating unit is not a temporary boiler if any one of the following conditions exists:

- (1) The equipment is attached to a foundation.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

Specific Condition No. A.3. Continued:

- (2) The steam generating unit or a replacement remains at a location for more than 180 consecutive days. Any temporary boiler that replaces a temporary boiler at a location and performs the same or similar function will be included in calculating the consecutive time period.
- (3) The equipment is located at a seasonal facility and operates during the full annual operating period of the seasonal facility, remains at the facility for at least 2 years, and operates at that facility for at least 3 months each year.
- (4) The equipment is moved from one location to another in an attempt to circumvent the residence time requirements of this definition.

[40 CFR 60.40b(a), 40 CFR 60.40b(m), 40 CFR 60.41b]

- A.4.** NSPS, 40 CFR 60 Subpart Dc Applicability: The affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h).

The steam generating unit is not subject to this subpart as the unit is authorized to only to operate onsite as a temporary boiler.

Temporary boiler means a steam generating unit that combusts natural gas or distillate oil with a potential SO₂ emissions rate no greater than 26 ng/J (0.060 lb/MMBtu), and the unit is designed to, and is capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. A steam generating unit is not a temporary boiler if any one of the following conditions exists:

- (1) The equipment is attached to a foundation.
- (2) The steam generating unit or a replacement remains at a location for more than 180 consecutive days. Any temporary boiler that replaces a temporary boiler at a location and performs the same or similar function will be included in calculating the consecutive time period.
- (3) The equipment is located at a seasonal facility and operates during the full annual operating period of the seasonal facility, remains at the facility for at least 2 years, and operates at that facility for at least 3 months each year.
- (4) The equipment is moved from one location to another in an attempt to circumvent the residence time requirements of this definition.

[40 CFR 40.40c(a), 40 CFR 60.40c(i), 40 CFR 60.41c]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

- A.5.** NESHAP, 40 CFR 63, Subpart DDDDD Applicability: The affected facility to which this subpart applies is each industrial, commercial, or institutional boiler or process heater as defined in § 63.7575 that is located at, or is part of, a major source of HAP, except as specified in § 63.7491. For purposes of this subpart, a major source of HAP is as defined in § 63.2, except that for oil and natural gas production facilities, a major source of HAP is as defined in § 63.761 (subpart HH of this part, National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities). The steam generating unit is not subject to this subpart as the unit is authorized to only to operate onsite as a temporary boiler.

Temporary boiler means any gaseous or liquid fuel boiler that is designed to, and is capable of, being carried or moved from one location to another by means of, for example, wheels, skids, carrying handles, dollies, trailers, or platforms. A boiler is not a temporary boiler if any one of the following conditions exists:

- (1) The equipment is attached to a foundation.
- (2) The boiler or a replacement remains at a location for more than 12 consecutive months. Any temporary boiler that replaces a temporary boiler at a location and performs the same or similar function will be included in calculating the consecutive time period.
- (3) The equipment is located at a seasonal facility and operates during the full annual operating period of the seasonal facility, remains at the facility for at least 2 years, and operates at that facility for at least 3 months each year.
- (4) The equipment is moved from one location to another in an attempt to circumvent the residence time requirements of this definition.

[40 CFR 63 Subpart DDDDD – 3/21/11 Amendments, 40 CFR 63.7485, 40 CFR 63.7491(j), 40 CFR 63.7575]

PERFORMANCE RESTRICTIONS

- A.6.** Permitted Capacity: The rental steam generating unit shall be limited to a maximum heat input rate of 155 MMBtu per hour.

[Rule 62-210.200(PTE), F.A.C.; Application No. 0470002-082-AC]

- A.7.** Authorized Fuel: The steam generating unit shall fire either natural gas or low sulfur distillate (No. 2) fuel oil. The maximum sulfur content of the low sulfur No. 2 fuel oil shall not exceed 0.05 percent by weight.

[BACT Determination dated 01/11/2013, Application No. 0470002-082-AC, Rule 62-210.200(PTE), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

- A.8.** Fuel Usage Limitations: For purposes of PSD avoidance, the steam generating unit or replacement is subject to the following fuel usage limitations:
- a. No more than 414,600,000 CF of natural gas shall be fired in the steam generating unit during any consecutive 12- month period, rolling total.
 - b. No more than 3,040,000 gallons of low sulfur, No. 2 fuel oil shall be fired in the steam generating unit during any consecutive 12-month period, rolling total.

[Rule 62-210.200(PTE), F.A.C., Application No. 0470002-082-AC, Rule 62-212.400 (PSD), F.A.C.]

- A.9.** Operation: The rented steam generating unit or replacement is authorized to operate only as a temporary boiler as defined in 40 CFR 60 Subpart Db and Dc, and 40 CFR 63 Subpart DDDDD (Specific Condition Nos. A.3., A.4., and A.5.). The steam generating unit or a replacement shall remain onsite and used for **no more than 180 consecutive days in a given year.**

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C., Application No. 0470002-082-AC]

EMISSIONS STANDARDS

Unless otherwise specified, the averaging times for Specific Condition A.10. is based on the specified averaging time of the applicable test method.

- A.10.** Visible Emissions Limit- Low Sulfur No. 2 Fuel Oil & Natural Gas: When burning natural gas or low sulfur No. 2 fuel oil, visible emissions shall not exceed 20 percent opacity except for one six-minute period per hour during which opacity shall not exceed 27 percent.

[Rule 62-296.406(1), F.A.C.]

- A.11.** Particulate Matter: The steam generating unit is subject to a Best Available Control Technology Determination for particulate matter emissions. The owner or operator shall comply with the following:

Low sulfur No. 2 Fuel Oil: The maximum sulfur content of low sulfur No. 2 fuel oil is limited to 0.05 %, by weight.

Natural Gas: Particulate matter emissions shall be limited by the firing of natural gas.

[Rule 62-296.406(2), F.A.C.; BACT Determination dated 01/11/2013]

- A.12.** Sulfur Dioxide: The steam generating unit is subject to a Best Available Control Technology Determination for SO₂ emissions. The owner or operator shall comply with the following:

Low sulfur No. 2 Fuel Oil: The maximum sulfur content of low sulfur No. 2 fuel oil is limited to 0.05 %, by weight.

Natural Gas: Sulfur dioxide emissions shall be limited by the firing of natural gas.

[Rule 62-296.406(3), F.A.C.; BACT Determination dated 01/11/2013]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

State Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision. This rule only applies to emissions limits specified by State regulations or by State permits.

- A.13. Excess Emissions Allowed:** Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and 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 Department for longer duration.

[Rule 62-210.700(1), F.A.C.]

- A.14. Excess Emissions Prohibited:** 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 startup, shutdown or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

COMPLIANCE AND TESTING REQUIREMENTS

- A.15. Compliance Determination -Visible Emissions Performance Test :** The owner or operator shall conduct a visible emissions performance test to demonstrate compliance with the emission limit in Specific Condition No. A.10. using DEP Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C.

Initial Testing:

- a. The test shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
- b. The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations.
- c. The required minimum period of observation for each visible emissions performance test shall be **sixty (60)** minutes. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.
- d. A visible emissions test shall be conducted within 30 days of initial startup of each steam generating unit and/or replacement unit.

Subsequent Testing:

- e. **Annual/Each Federal Fiscal Year Testing:** In addition to complying with requirements a. through c. of this Specific Condition, the owner or operator shall conduct a visible emissions test that demonstrates compliance with the emission limit in Specific Condition No. A.10. on an annual basis during each federal fiscal year (October 1- September 30). By permit, this annual visible emissions test shall not be required should the unit fire low sulfur No. 2 fuel oil for a total of less than 400 hours during the year.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

Specific Condition No. A.15. Continued:

- f. Operation Permit Renewal Testing: In addition to complying with requirements a. through c. of this Specific Condition, the owner or operator shall conduct a visible emissions test that demonstrates compliance with the emission limit in Specific Condition No. A.10. prior to obtaining a renewed operation permit, i.e. once per each five-year period, coinciding with the term of its air operation permit.

[Rules 62-4.070, F.A.C., 62-297.310(4)(a)2., F.A.C., 62-297.310(7)(a)1., F.A.C., 62-297.310(7)(a)3., F.A.C., 62-297.310(7)(a)4.a., F.A.C., 62-297.320, F.A.C., 62-297.401, F.A.C.]

- A.16. Compliance Determination -Particulate Matter**: It shall be assumed that the steam generating unit is in compliance with the Best Available Control Technology Determination for particulate matter emissions stated in Condition Nos. A.11., **if the unit combusts natural gas and low sulfur No. 2 fuel oil.**

[Rules 62-213.440 and 62-296.406(3), F.A.C.]

- A.17. Compliance Demonstration – Sulfur Dioxide and Fuel Sulfur Content**: **It shall be assumed that the steam generating unit is in compliance with the Best Available Control Technology Determination for sulfur dioxide emissions stated in Condition Nos. A.12., if the unit combusts natural gas and low sulfur No. 2 fuel oil.**

The owner or operator shall demonstrate compliance with the sulfur content limitations for No.2 low sulfur fuel oil based on fuel supplier certification.

The fuel certification provided by the supplier shall include the sulfur content or maximum sulfur content of the delivered No.2 fuel oil. The sulfur content shall have been determined by a certified ASTM method adopted and incorporated by reference in Rule 62- 297.440(1), F.A.C. or another EPA approved method.

[Rule 62-4.070, F.A.C., Rule 62-297.440, F.A.C.]

- A.18. Compliance Demonstration – Fuel Sulfur Content Alternative**: As an alternative to demonstrating compliance with the sulfur content limitations for No.2 low sulfur fuel oil by fuel supplier certification, the owner or operator shall demonstrate compliance by shipment fuel sampling.

The initial performance test shall consist of sampling and analyzing the oil in the initial tank of oil to be fired in the steam generating unit to demonstrate that the oil contains 0.05 weight percent sulfur or less. The sample shall be analyzed before any oil is combusted.

Thereafter, the owner or operator of the affected facility shall sample the oil in the fuel tank immediately after each new shipment of oil is received.

If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank would be required upon filling. The sample shall be analyzed before any oil is combusted.

The sulfur content shall have been determined by a certified ASTM method adopted and incorporated by reference in Rule 62- 297.440(1), F.A.C. or another EPA approved method.

[Rule 62-4.070, F.A.C., Rule 62-297.440, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

NOTIFICATION RECORDKEEPING AND REPORTING REQUIREMENTS:

- A.19. Notification:** The Permittee shall provide a written notification to the Department of the following:
- a. Onsite Date: The date each steam generating unit and/or replacement unit is brought onsite. The notification shall be submitted no later than 15 days after such date, and shall include:
 1. The design heat input capacity and identification of the fuels to be combusted;
 2. The Manufacturer, Model, and Serial Number of the unit.
 - b. Initial Startup Date: The actual date of initial startup of the emissions unit. The notification shall be submitted within 15 days after such date.
 - c. Removal Date: The actual date each steam generating unit and/or replacement unit is removed from the site/facility location. The notification shall be submitted no later than 15 days after such date, and shall include:
 1. Total number of days each steam generating unit and/or replacement unit was located onsite.
 2. Total hours of operation of each steam generating unit and/or replacement unit.

[Rule 62-4.070. F.A.C.]

- A.20. Compliance Test Procedures & Notification.** The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310(7)(a)9., F.A.C.]

- A.21. Excess Emissions:** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department Air Program immediately in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rule 62-210.700(6), F.A.C.]

- A.22. Records:** The owner or operator shall record and maintain the following records on site for at least five years from the date of such record:

- a. As determined from the fuel flow meters required by Specific Condition No. A.2., the quantity of fuel combusted during each day of operation of the steam generating unit, by type (in gallons and cubic feet, as appropriate).

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

Specific Condition No. A.22. Continued:

- b. As determined from the fuel flow meters required by Specific Condition No. A.2., the quantity of fuel combusted for each month and consecutive 12-month period, by type (in gallons and cubic feet, as appropriate).
- c. Purchase receipts of low sulfur No.2 fuel oil and natural gas purchased for use by the steam generating unit.
- d. Fuel supplier certification for each shipment of low sulfur No.2 fuel oil. The fuel supplier certification shall at least include information such as the name of the oil supplier, the sulfur content of the fuel oil, and the approved ASTM or EPA method used to determine the sulfur content.
- e. For any fuel sampling and analysis conducted, the results of the fuel analysis.
- f. Records of Visible Emission performance testing results
- g. Date each steam generating unit and/or replacement unit is brought onsite
- h. Date of initial startup of each steam generating unit and/or replacement unit
- i. Date each steam generating unit and/or replacement unit is removed from the facility location.
- j. Total number of consecutive days each rental steam generating unit and/or replacement unit is onsite.
- k. The combined total number of consecutive days all rental steam generating units (including replacements) are onsite.
- l. Manufacturer, Model, and Serial Number of each steam generating unit and/or replacement unit.
- m. Estimate of the quantity of the following pollutants generated for each steam generating unit and/or replacement unit while located at the site:
 - i. Carbon Monoxide
 - ii. Oxides of Nitrogen
 - iii. Sulfur dioxide
 - iv. Volatile Organic Compounds
 - v. Particulate Matter (PM), PM₁₀, and PM_{2.5}

Provide calculations for each pollutant estimate including supporting documentation for any emission factors used.

[Rule 62-4.070, F.A.C., Rule 62-212.400(PSD), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
Subsection A. EU 077: Rental up to 155 MMBtu/hr Steam Generating Unit

A.23. Reporting: The permittee shall submit to the Permitting Authority the records maintained in Specific Condition No. A.22.a. through e. and g. through m. The records shall be submitted within 15 days of removing each steam generating unit and/or replacement unit. The records shall also be included in the Annual Operating Report that shall be submitted on or before April 1st of the year following the calendar year in which the data was recorded.

[Rule 62-4.070(3), Rule 62-212.300, F.A.C., Application No. 0470002-082-AC]

A.24. Compliance Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.

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